

# *STANDAR OF GOOD PRACTICES IN ECOLOGICAL PRODUCTION*

## **CERTIFICATION SCHEME OF LIVESTOCK OF ORGANIC PRODUCTS**

*This document has been prepared taking into account the Private Resolution of BIOTROPICO, R. 2092/1992 CEE and R. 834/2007, R. 889/2008 and R. 1235/2008 UE and third countries in force for the production, processing, marketing for a organic, agricultural and livestock product; the first version of private standards in Colombia on organic farming, was developed by NGOs in a seminar in the city of Buga during 1994, then the members present and participants developed based on the previous standard a draft in 1996, and at date this standard has been developed, taking as a principles those referred to in the above standards.*

*The original version is in Spanish.*

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|  | STANDARD OF GOOD PRACTICES IN<br>ECOLOGICAL PRODUCTION   | EBP-BT001 / 1997      |
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## INTRODUCTION

The purpose of the standard is to establish a comprehensive framework and a common set of requirements for Organic Production (administrative, environmental, social and quality) for which demonstrate that a primary product and processing products (plant, animal, fisheries, aquaculture, apiculture and/or mineral) has been produced and handled organically, including history and the entire production chain.

In addition, to establish guidelines to make public statements about food products, inputs materials, fibers and textiles grown and produced organically, in consistent with international regulations for organic production (R. 834/2007, R. 889/2008 CE and third countries)

This Standard does not apply to equivalence with EC Regulations No. 834/2007 and No. 889/2008, with respect to animal production (category B), chapters IV and V (articles 15 to 40), and processed animal feed (category E), articles 42, 42.1, and 43.

**This standard of good environmental practice (BPE)** with its attachments is owned by the Certifier BIOTROPICO S.A.S. It has been developed taking into account the following regulations:

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## CHAPTER I. PURPOSE AND SCOPE

### ARTICLE 1. PURPOSE

This documents describes the principles, criteria and minimum requirements that the operators must comply for the primary production, processing (transformation), packaging, labeling, storage, marketing, exportation and importation of products obtained by organic production system

This is established in order to assure consumers that agricultural products, apiculture products and products which are processed with ecological methods (organic) aimed at human consumption, supplies and animal nutrition comply with the provisions of this standard, and likewise ensure the adequacy and transparency of all operators and if it is the case with the intervention of control and monitoring Organizations.

The legal context that regulates the ecological production (organic) should have by purpose ensure fair competition, as well should keep and justify the consumer's confidence in the labeled products as an ecological (organics)

### ARTICLE 2. SCOPE

This Standard is applied throughout Colombia for agricultural production systems, microorganisms, minerals, processing, labeling and marketing (import and export) of ecological (organic) products from:

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- a) Unprocessed vegetable agricultural products, unprocessed livestock products and those derived from beekeeping, fishing, aquaculture, microorganisms and minerals.
- b) Processed products intended for human consumption derived from the products indicated in literal a).
- c) Processed products intended for animal feed derived from the products indicated in literal a).
- d) Imported food products, in accordance with the provisions of this Standard.
- e) Inputs for organic agricultural production (plant, animal, beekeeping, fishing, aquaculture, mineral or microorganism derivatives).

**PARÁGRAPH.** The provisions of this Standard, apply without prejudice to compliance with the current regulations on food safety including apiculture, water quality, agricultural and livestock inputs, seeds, environmental legislation, ingredients used in the food industry, waste production, maximum residue limits of veterinary medicines in food, marketing, export, import and labeling, among others.

**Article 2.1.** In ecological production system may not be used Genetically Modified Organisms (GMOs) or products produced from or by GMOs as food, feed, processing aids, plant protection products, fertilizers, soil conditioners , seeds, vegetative propagating material , microorganisms or animals.

Operators using non-organic products from those categories shall require the vendor or supplier the confirming that the products supplied have not been produced from or by GMOs

## CHAPTER II. DEFINITIONS

For purposes of this Standard, the following definitions are adopted:

**Advertising:** Any presentation to the public, by any means other than labeling, that seeks, or may influence, attitudes, convictions and behavior in order to directly or indirectly promote the sale of organic products;

**Aeroponics.** A soilless cultivation method in which plants are suspended with their roots partially or even fully exposed to air.

**Agricultural product.** An animal, a plant, a plant or animal product, or a product, including any food or drink wholly or partially derived from an animal or plant.

**Agro-ecosystem.** A system that consists of the form, function, interaction and balance of the biotic and abiotic elements present within the environment of a given agricultural company.

**Allopathic.** Who uses allopathy.

**Allopathy.** A method of treating disease with substances that produce a reaction or effect different from that caused by the disease itself.

**Animal Food Supplement.** An animal food that is used with another animal food to improve the nutritional balance of the total and whose intention is to feed it to animals without diluting it as a supplement to other animal food; or offered free choice with other parts of the ration separately available; or diluted and mixed to produce a complete animal feed that is acceptable for registration.

**Annual seed.** A young plant grown from seed that will complete its life cycle or produce a yield and can be harvested within the same growing year or season in which it was planted.

**Antibiotic.** Various substances that contain any amount of any chemical produced by a microorganism, such as penicillin, and which are used to inhibit or destroy the growth of microorganisms to prevent or treat disease.

**Aquaculture:** The rearing or cultivation of aquatic organisms with techniques aimed at increasing, above the natural capacities of the environment, the production of the organisms in question; These will be, throughout the entire breeding or cultivation phase and up to the moment of their collection inclusive, the property of a natural or legal person;

**Beekeeping.** The administration and production of bees and queens and their products.

**Biodegradable.** Able to break down biologically into simpler biochemical or chemical components.

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**Biological Veterinary Product.** Helminth, protozoan or microorganism; or a substance or mixture of substances derived from animals, helminths, protozoa or microorganisms; or a substance of synthetic origin that is manufactured, sold, or represented for use in the restoration, correction, or modification of functions in animals, or for use in the diagnosis, treatment, mitigation, or prevention of disease, disorder, fitness abnormal or its symptoms, in animals. Veterinary Biology includes vaccines, bacteria, bacterial toxoids, immunoglobulin products, diagnostic kits, and any veterinary biology derived through biotechnology.

**Black Waters Mud.** Solid, liquid, or semisolid material typically formed as a precipitation from wastewater treatment of liquid waste and human household solids, among other compounds, which is accumulated predominantly in municipal or industrial wastewater treatment facilities, sewers, and drains. Sewage sludge includes, but is not limited to, septic household waste; filth or solids removed in primary, secondary or advanced wastewater treatment processes; or material derived from sewage sludge.

**Buffer zone.** A clearly defined and identifiable boundary area that separates an ecological production unit from adjacent areas without ecological (organic) procedures.

**Cloned animals.** Identical animals resulting from human manipulation of embryos or embryo transfer, using techniques such as somatic cell nuclear transfer, nuclear transfer of embryonic cells or embryonic fission.

**Commercialization.** The possession of food or feed for the purpose of selling them; This includes the offer to sell or any other form of transfer, whether for consideration or free of charge, as well as the sale, distribution or other form of transfer.

**Commercially Available.** Documented ability to obtain a production input or ingredient with form, quality, quantity or right variety to fulfill an essential role in a system of agriculture, preparation or ecological management.

**Compost tea (Slurry).** A soil improver solution created by decanting mature compost to promote beneficial bacterial growth.

**Compost.** The product of a carefully managed aerobic process whereby non-synthetic materials are digested by microorganisms. Ecological compost material is appropriately managed to reach temperatures for the duration necessary to effectively stabilize nutrients and kill human pathogens.

**Competent authority:** The central authority of a Member State competent for the organization of official controls in the field of organic production in accordance with the provisions set out in this Regulation, or any other authority to which this competence has been attributed; where appropriate, it shall also include the corresponding authority of a third country;

**Conformity mark:** The approval of conformity with a certain group of norms or other normative documents, expressed as a mark;

**Control body:** A third private and independent entity that carries out inspection and certification in the field of organic production in accordance with the provisions established in these Regulations; where appropriate, it shall also include the corresponding body from a third country or the corresponding body operating in a third country;

**Conversion:** transition from non-organic farming to organic farming over a specified period of time in which the provisions relating to organic production will apply;

**Crop rotation.** The practice of alternating crops grown in a specific lot in a planned sequence in successive growing years so that crops of the same species or family are not continuously grown in the same lot. Perennial cropping systems employ techniques such as street cultivation, intercropping and hedging to introduce biological diversity in lieu of crop rotation.

**ECOLOGICAL integrity.** The maintenance of the inherent ecological qualities of a product from the reception of the ingredients to the final consumer, in accordance with this Standard.

**Ecological Product (Organic).** Any good produced by a system that complies with this Standard.

**Ecological production. (Organic).** The use of production methods in accordance with the standards established in this Regulation at all stages of production, preparation and distribution.

**Equivalent:** In the description of various systems or measures, it is equivalent to "capable of meeting the same objectives and principles by applying standards that guarantee the same level of conformity assurance.

**Farm:** All production units operating under a single management in order to produce agricultural products.

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**Feed.** Any substance or product, including additives, intended for oral feeding of animals, whether or not it has been wholly or partially transformed.

**Feed additive.** Substances, micro-organisms and preparations, other than feedstocks and premixes, that are intentionally added to the feed or water to perform, in particular, one or more of the above functions: positively influence the characteristics of the feed; positively influence the characteristics of animal products; meet the nutritional needs of animals; positively influence the environmental impact of animal production; They positively influence the production, activity or well-being of animals, especially by acting on the digestive or food flora, or having a coccidiostatic or histomonostatic effect.

**Feed in conversion:** Feed produced during the period of conversion to organic production, excluding those harvested during the 12 months following the start of conversion.

**Fertilizer.** A single or combined substance made up of one or more recognized plant nutrients.

**First recipient:** The natural or legal person to whom the imported shipment is delivered and who collects it for its subsequent preparation or marketing.

**Food.** For the purposes of these Regulations, food (or food product) means any substance or product intended to be ingested by human beings or with a reasonable probability of being ingested, whether or not they have been wholly or partially transformed.

**Food additive animal.** Substance added to animal feed in small quantities to comply with specific nutritional need.

**Food additive.** Substance that, without constituting a food by itself or possessing nutritional value, is intentionally added to foods and beverages in minimal amounts with the aim of modifying their organoleptic characteristics or facilitating or improving their production or preservation process

**Food radiation.** Health or preservation method for bulk foods packaged or controlling insect infestation and that reduces the microbial load with ionizing radiation from cobalt-60 or cesium-137; or X rays generated by an operated or under an energy level of 5 MeV machine; or electrons generated by an operated or under an energy level of 10 MeV machine.

**Food supplement animals.** An animal feed that is used with other animal food to improve the nutritional balance of the total and whose intention is to feed it to animals without diluting it as a supplement to other animal food; or offered free choice with other parts of the ration separately available; or diluted and mixed to produce a complete animal feed is acceptable for registration.

**Forage.** Plant material in a fresh, dry or ensiled state (pasture, hay or silage), which is given as food to livestock.

**Fractional Production.** Operation that produces, prepares or manages ecological (organic) and non-ecological (organic) products (including those in transition).

**Genetic engineering.** Refers to techniques by which the genetic material of an organism is changed in a way that it does not occur naturally through natural multiplication and / or recombination.

**Genetically Modified Organism (GMO):** The organism, with the exception of humans, whose genetic material has been modified in a way that does not occur naturally in mating or natural recombination;

**Handling.** Any operation or part of an operation that receives or acquires agricultural products for resale, including agricultural product retailers, who process and transform, repackage or re-label such products.

**Herbivorous.** Animal that feeds mainly on plants.

**Hodgepodge.** Physical contact between organic products in bulk or without packaging and non-organic products during production, preparation, transportation, storage or handling.

**Homeopathic.** Who uses homeopathy.

**Homeopathy.** The treatment of a disease based on the administration of tiny doses of a substance that, in large quantities, produces symptoms in healthy animals similar to those of the same disease.

**Hydroponic production:** The method of growing plants with their roots introduced in a mineral nutrient solution only or in an inert medium, such as perlite, gravel or mineral wool, to which a nutrient solution is added.

**Ingredient.** Any substance as defined in Article 6 (4) of Directive 2000/13 / EC. The list of ingredients shall be mentioned in accordance with this article and annexes I, II and III.

**Importer:** The natural or legal person of the Community who submits a shipment for release for free circulation in the Community, either directly or through a representative;

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**Input.** Substances that are used or applied directly to the organic production system: particularly fertilizers, animal feed supplements, pesticides, soil improvers, veterinary treatments, additives and processing aids, hygiene and cleaning materials.

**Labeling:** Any word, term, detail, registered trademark, illustrated motif or symbol placed on or related to any packaging, document, notice, label, plate, ring or necklace, that accompanies or refers to a product.

**Land.** Mix of minerals, ecological matter and living organisms.

**Livestock.** Means any domestic or domesticated animal including bovine (ex.: Buffalo & Bison ), sheep, pigs, goats, horses , poultry and bees raised for food or feed production. The products of hunting or fishing of wild animals are not considered part of this definition.

**Livestock production:** production of domestic or domesticated land animals (including insects);

**Ionizing radiation:** The transfer of energy in the form of particles or electromagnetic waves with a wavelength equal to or less than 100 nanometers or a frequency equal to or greater than  $3 \times 10^{15}$  hertz, capable of producing ions directly or indirectly.

**Manure.** Feces, urine and other feces and cisco used by livestock that has not been composted. **Nanotechnology.** It is an area generally described as the control and structuring of matter in dimensions typically between 1 and 100 nanometers to create materials, artifacts, and systems with fundamentally new properties and functions. Chemicals at the nano scale, or nano materials, behave differently from their macro counterparts, exhibiting different mechanical, optical, magnetic, and electronic properties.

**Nonconformity.** Lack of conformity

**Non-synthetic.** A substance derived from mineral, plant or animal matter that does not go through a synthesis process, as defined in accordance with this Standard.

**Nutrition Management Plan.** Nutritional budget plan in which the time and rate of nutrient application are based on the nutritional status of the soil, nutritional needs of the crop, improvers, nutritional content and expected rates of nutrient release. The objective of a Nutritional Management Plan is to minimize nutrient loss, protect water quality, maintain soil fertility, and ensure effective use of permitted soil improvers.

**Obtained from GMOs:** Totally or partially derived from GMOs but not containing or consisting of GMOs

**Operator.** The natural or legal person responsible for ensuring compliance with the requirements of this Regulation in the ecological company he runs.

**Organic:** from or related to organic production;

**Organic Conversion Period.** Period of time between the start of an ecological management program in a production unit and the obtaining of ecological status by said unit, in accordance with this Standard.

**Parallel production.** The simultaneous production, preparation or management of organic (organic) and conventional crops, livestock and other ecological (organic) products of the same or similar variety, visually indistinguishable.

**Packaged food product:** The sales unit intended to be presented without further transformation to the final consumer and to the communities, made up of a food product and the package in which it has been conditioned before being put on sale, already covers the package to the product Entirely or only partially, but in such a way that the content cannot be modified without opening or modifying said container.

**Perennial Crops.** Any crop outside biennial crops that can be harvested from the same seed for more than one growing season or requiring at least one year between planting and harvesting.

**Pesticide.** Any substance or mixture of substances whose intention is to prevent, destroy, repel or mitigate any pest on plants.

**Plague.** Organism that causes damage to humans or to resources used by humans, such as some viruses, bacteria, fungi, weeds, parasites, arthropods and rodents.

**Plant production:** production of plant agricultural products including harvesting of wild plant products for commercial purposes;

**Plant protection products:** Active substances and preparations containing one or more active substances presented in the form in which they are offered for distribution to users, intended to: protect plants or plant products

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against all harmful organisms or prevent the action of the same, provided that said substances or preparations are not defined otherwise below.

**Preparation.** Operations for the conservation and / or transformation of organic products (including slaughter and cutting for animal products), as well as packaging, labeling and / or changes in labeling related to the organic production method;

**Processing aids.** Substances added to products for a technological effect during processing and which is no longer present in the finished food product or are in insignificant and no functional levels

**Production, preparation and distribution stages:** Any stage, from the primary production of an organic product to its storage, transformation, transport, sale and supply to the final consumer and, where appropriate, labeling, advertising, import, export and subcontracting activities;

**Products obtained by GMOs:** Derivatives in which GMOs have been used as the last living organism of the production process, but without containing or being composed of GMOs or having been obtained from GMOs;

**Production Unit.** all the elements that can be used for a productive sector, such as the production premises, the plots, the pastures, the outdoor spaces, the livestock buildings, the premises for the storage of vegetable crops, plant products, products animals, raw materials and any other relevant input for this specific productive sector

**Records.** Any information in written, visual or electronic medium that documents the activities carried out by a producer or person involved in the preparation of ecological (organic) products, in accordance with this Standard.

**Sewage sludge.** Solid, liquid or semisolid material typically formed as a precipitation of wastewater treatment human domestic liquid and solid waste, among other compounds, which is accumulated predominantly in treatment facilities of municipal or industrial wastewater, sewers and drains. The sewage sludge includes, but is not limited to, domestic septage; uncleanness or solids removed in primary, secondary or advanced treatment processes wastewater; or material derived from sewage sludge.

**Silvestre culture.** Plants growing in its natural state , harvested from a site which is no longer under any type of agricultural management .

**Soil.** Mixture of mineral organic matter and living organisms.

**Supervisory authority:** A public administrative organization of a Member State to which the competent authority has conferred, in whole or in part, its inspection and certification powers in the field of organic production in accordance with the provisions established in this Regulation; where appropriate, it shall also include the corresponding authority of a third country or the corresponding authority operating in a third country;

**Synthetic substance.** Man-made substance formulated or manufactured by a chemical process or by a process that chemically alters compounds extracted from plants, micro-organisms and animals, or mineral sources. This term does not apply to compounds synthesized or produced by biological processes, including mechanical or heat processes.

**Technological aid:** any substance not consumed as a food ingredient, deliberately used in the transformation of raw materials, food or its ingredients, to achieve a certain technological objective during treatment or transformation and the result of which may be the unintended but technically presence unavoidable residues of the substance or its derivatives in the final product, provided that such residues do not represent a health risk or have a technological effect on the final product.

**Traceability:** Documentary control procedure that can determine the origin, production system, change of owner and transportation process of an organic product or that contains organic (organic) ingredients.

**Transition (Conversion).** Set of steps taken by the operator of a conventional production system to establish ecological management practices, in accordance with this Standard.

**Transition or conversion time.** Time period between the start a program of ecological management in a production unit and obtaining ecological status for that unit, in accordance with this Standard.

**Transplant.** Seedling that has been removed from its original production site, transported and replanted.

**Use of GMOs and GMO derivatives:** Their use as food products and ingredients, technological aids, animal feeds, raw materials for animal feed, additives in animal feed, technological aids in animal feeds, plant protection products, veterinary drugs, fertilizers, soil conditioners, seeds, vegetative and animal reproductive material.

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**Vegetative breeding material.** Any plant or plant tissue other than annual seeds but including rhizomes, buds, cuttings of leaves or stems, roots or tubers, or bulbs used in plant propagation.

**Veterinary Biological Product.** Helminth, or protozoan organism; or a substance or mixture of substances derived from animals, helminths, protozoa or micro-organisms; or a substance of synthetic origin that is manufactured, sold or represented for use in restoring, correcting or modifying functions in animals, or for use in the diagnosis, treatment, mitigation or prevention of a disease, disorder, physical status abnormal or its symptoms, in animals. Veterinary Biological includes vaccines, bacterial, bacterial toxoids, immunoglobulin products, diagnostic kits and any veterinary biologic derived through biotechnology.

**Veterinary drug.** Any substance or mixture of substances represented for use or administered in the diagnosis, treatment, mitigation or prevention of disease, disorder, abnormal physical condition or its symptoms in animals; restoring, correcting or modifying functions in animals.

**Veterinary treatment:** All kinds of curative or preventive treatment of an outbreak of a specific disease.

**Wild cultivation.** Plants that grow in their natural state, harvested from a site that is no longer under any type of agricultural management.

**Won.** Means any domestic or domesticated animal including cattle (eg, buffalo and bison), sheep, pigs, goats, horses, poultry and bees raised for food or in food production. The products of hunting or fishing wild animals are not considered part of this definition.

### CHAPTER III. AGRICULTURE COMPONENT REQUIREMENTS FOR ORGANIC FARMING PRODUCTION

Management methods are carefully selected to restore and then keep the ecological stability within organizations and the natural context in their environment.

Soil fertility is maintained and enhanced by promoting optimal biological activity in the soil and conserve soil resources. Weeds, insects, fungi, mites, and diseases are managed using biological control methods, mechanical and cultural practices, including minimum tillage.

Crop selection and rotation in transient systems are important for managing nutrient cycling, recycling waste plant and animal, management and water conservation, promotion of beneficial insects to improve a balanced relationship with increasing biodiversity and a good management of insects, fungi and mites based on ecology. In a system of organic production, livestock receives optimal living conditions and appropriate space for their requirements of performance and food produced organically. These practices seek to minimize stress, promote good health and prevent disease

#### ARTICLE 3. CONVERSION TO ORGANIC FARMING PRODUCTION

In order for plants and plant products to be considered organic, all applicable production rules listed in this Standard must be regularly applied on parcels (farms) during a conversion period of at least two years before planting or, in the case of meadows or perennial forages, of at least two years before their exploitation as feed from organic farming, or, in the case of perennial crops other than forage, of at least three years before the first harvest of organic products.

Any farm that begins to engage in organic production will be subject to the following rules:

- The conversion period will begin, at the earliest, when the operator notifies its activity to the competent authorities and submits its operation to the control regime in accordance with this Standard.
- during the conversion period, all the rules established in this Standard will apply;
- specific conversion periods will be defined for the different types of crop or animal production;
- when a farm or unit is dedicated in part to organic production and in part in the conversion phase to organic production, the operator shall keep ecologically obtained products and products obtained during the conversion phase, and animals separated or easily separable, and will maintain an adequate documentary record that demonstrates such separation;

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e) To determine the aforementioned conversion period, a period immediately prior to the date of the start of the conversion period may be taken into account, provided that certain conditions are met;

f) animals and animal products produced during the conversion period may not be offered for sale with the indications used in the labeling and advertising of the products.

1. Retroactive Period: (measures of exceptions) The BIOTROPICO Certifier may decide to recognize retroactively as part of the conversion period any previous period in which:

a. If the plots (farms) were subject to measures defined in an applied Productive System program where they have implemented the principles, methods and practices established directly or in any other official program, provided that the measures in question guarantee that they have not been used in these plots (farms) products prohibited in organic production.

b. If the parcels (farms) were natural or agricultural areas that have not been treated with prohibited products for organic production. The aforementioned period can only be accounted for retroactively when the BIOTROPICO Certifier is provided with sufficient satisfactory evidence that the conditions have been met for a minimum period of three years.

2. In certain cases in which the lands have been contaminated with products prohibited in organic production, the BIOTROPICO Certifier may decide to extend the conversion period beyond the period mentioned in section 1.

3. In the plots (farms) already converted or in the phase of conversion to organic farming that are being treated with a product prohibited in organic production, the BIOTROPICO Certifier may reduce the conversion period mentioned in section 1 in the following two cases:

a. Plots (farms) treated with a product prohibited in organic production as part of a mandatory insect or disease control measure imposed by the competent authority;

b. Parcels (farms) treated with a product prohibited in organic production in the context of scientific tests approved by the competent authority. In the cases referred to in letters a) and b) of section 1, the duration of the conversion period shall be determined taking into account the following elements:

i. the degradation process of the product concerned must guarantee, at the end of the conversion period, a negligible level of residue in the soil and, if it is a perennial crop, in the plant;

ii. The harvest that follows the treatment cannot be sold with reference to organic production methods.

**ARTICLE 3.1. General farm production rules:** The entire farm will be managed in accordance with the requirements applicable to organic production. In cases where not all units on the farm are used for organic production, the farmer will keep the land, animals and products that are used for organic production or are produced in organic units separate from those that are used or produced in non-organic units, and will maintain an adequate documentary record that demonstrates this separation, together with all the characteristics that allow the identification of the products, and confirms that the measures adopted to separate the products that have been applied are effective. If there is parallel production, the operator must present a conversion plan to ecological (organic) production that includes all perennial species and / or all existing areas within a maximum period of five (5) years and guarantee that the standards of organic production are applied in that period.

- Parallel production of transient (annual) species is not allowed in the same production area.
- Nitrogen mineral fertilizers are not used.
- Hydroponic production is prohibited.

**PARAGRAPH:** In the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this Standard is prohibited.

**ARTICLE 3.2. Parallel production:** (exception measures) A producer may have organic and non-organic production units on the same area as long as:

1. That agricultural production is included in a conversion plan that formally commits the producer and guarantees that the start of the conversion to organic production of the last part of the surfaces of all the productive units begins as soon as possible and, in all case, within a maximum period of five years.

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2. That the conversion plan and the mentioned control measures have been approved by BIOTROPICO; This approval must be verified every year after the start of the conversion plan.
3. That the appropriate measures have been taken to guarantee at all times the separation of the products from each of the units considered.
4. That the harvest of each of the products considered is communicated to BIOTROPICO at least 48 hours in advance.
5. That, once the harvest is finished, the producer informs BIOTROPICO of the exact quantities harvested in the registered units and the measures applied to separate the products.

#### ARTICLE 4. SOIL MAINTENANCE

Both fertility and biological activity of the soil must be maintained or increased by:

- a) Permanent shade and / or Intercropping and / or association of crops, green manures, vegetable covers, according to a program for annual crops of adequate rotation and / or to promote cultivation practices that maintain and improve the natural biodiversity and the functions of the ecosystem within, and in areas adjacent to agricultural production areas.
- b) When the nutritional needs of the plants cannot be met through the measures contemplated in literal a, only the fertilizers and soil conditioners mentioned in Annex I of this Standard may be used in organic production, only to the extent that it is necessary. Operators must keep supporting documents of the need to use the product.
- c) The total amount of manure applied on the farm cannot exceed 170 kilograms of nitrogen per year per hectare of agricultural area used. This limit applies only to the use of farmyard manure, dried farmyard manure and dehydrated manure, mulch from solid animal droppings including chicken manure, composted manure and liquid animal droppings.
- d) For land with slopes, cover crops should be taken into account, in contour lines, with barriers and live covers.
- e) The incorporation into the land of composted ecological material.
- f) For the activation of the compost, appropriate preparations based on plants or microorganisms (beneficial microorganisms) can be used.
- g) Incorporation of ecological (organic) or mineral fertilizers referred to in Annex I of this Standard.
- h) Fertigation
- i) Rotation of annual crops
- j) Proper tillage practices
- k) Use of appropriate machines and tools
- l) Efficient and controlled use of irrigation
- m) Maintenance of buffer zones with native vegetation or living barriers with neighboring plots (farms).
- n) Maintenance of the buffer zones with native vegetation of all water bodies.
- o) Cultivate, produce in a way that avoids the adverse impact on water resources.
- p) Producers must take measures to prevent erosion, compaction, salinization and other forms of soil degradation.

PARAGRAPH: 1. The products and substances that can be used in organic farming (Annex I and II) shall be authorized for use in organic production and will include them in a restricted list for the following tasks:

- a) As plant protection products;
- b) As fertilizers and soil conditioners;

PARAGRAPH: 2. "Soilless" production does not comply with the requirements of this Standard.

#### ARTICLE 4.1: - Specific rules applicable to the production of mushrooms (Exceptional measures).

Substrates can be used for the production of mushrooms provided they are composed only of the following materials:

- a) Farm manure and animal excreta - from farms whose production complies with the organic production method.
- b) Products of agricultural origin, coming from farms whose production complies with the ecological method;

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- c) Peat that has not been chemically treated;
- d) Wood that has not been chemically treated after felling;
- e) Mineral products mentioned in Annex I of this Standard. Water and earth.
- f) Use organic spore (seed), if it is not commercially available, use conventional spores as long as they have not been treated with prohibited substances.
- g) Take precautions to prevent diseases, including the removal of diseased material and sanitary measures using substances included in the annexes of this Standard.

**EXCEPTION ARTICLE 4.2:** General rules on the production of organic yeast:

For the production of organic yeast one may only use ecologically produced substrates. Microorganisms and enzymes may be used if they have been authorized for use in organic production. Drinking water and salt (with basic components as sodium chloride or potassium chloride), generally used in food processing.

In organic food or ecological inputs there cannot be simultaneously organic yeast and yeast uncertified. In no case can yeast be used where is a doubt that they are GMO-free. Always have a statement free of GMOs signed by the technical manager or laboratory analysis to ensure the integrity of GMO-free.

**ARTICLE 5. PLANT HEALTH AND WEED MANAGEMENT**

The control of harmful organisms (insects, mite fungi, pathogens) and weeds is adapted to ecological management practices aimed at increasing the health of the crop and reducing losses caused by insects, diseases and weeds. Phytosanitary management of harmful organisms and weeds must be carried out by:

- a) Good soil maintenance. Environmental responsibility is made effective through a solid information base, effective planning and monitoring. Especially in relation to the use of external inputs.
- b) Adequate plant nutrition. The environmental responsibility in crops has the objective of creating agrosystems capable of naturally maintaining insects and diseases at levels of minimum economic risks.
- c) Selection of varieties and species appropriate to local agro-ecological conditions.
- d) A program of rotation and / or association or intercalation of species.
- e) Mechanical handling means.
- f) Protection of natural enemies from harmful organisms, use of parasites, among others.
- g) Cattle grazing.
- h) Allelopathy - make good use to protect crops from attack by harmful insects by intercalating aromatic plants within the crop.
- i) Commercial bio-inputs (all substances must be in accordance with Annex II of this Standard), and keep the Registers of the competent authorities in force.
- j) Biological control.
- k) Physical and mechanical control.
- l) In the case of the use of traps and dispersants, it will be avoided that the substances are released into the environment, as well as the contact between the substances and the cultivated plants. Traps should be collected once they have been used and disposed of safely.

**PARÁGRAPH:** When crops can't be adequately protected from pests and diseases by measures provided, may only be used in organic production the products listed in Annex II of this Standard. Operators shall keep documentary evidence of the need to use the product.

**ARTICLE 6. SEEDS**

For the production of products other than seeds and vegetative propagating materials, only ecologically produced seeds and propagating materials may be used; for this purpose, the female parent in the case of seeds and the parent in the case of vegetatively propagated material must have been produced in accordance with the standards set out in this Standard for at least one generation or, in the case of crops perennial, two seasons of vegetation.

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The BIOTROPICO Certifier may authorize the use of propagation and reproduction material of non-ecological origin, provided that the user of said material can demonstrate to the satisfaction of the BIOTROPICO Certifier, the impossibility of obtaining material on the market that complies with the principles of this Standard.

PARAGRAPH: 1. Priority should be given to the use of native and endemic varieties and to promote plant breeding and the protection of biodiversity.

PARAGRAPH: 2. The use of seeds from living genetically modified organisms is prohibited.

PARAGRAPH: 3. The seeds to be commercialized must comply with the requirements established in this Standard and local laws.

- In cases in which the supplier limits himself to handling previously packaged seeds, he must submit to the control regime established in the organic production regulations.
- The supplier must offer all the necessary information in accordance with this Standard and undertakes to update said information, provided that such update is required to ensure that the reliability of the information is maintained.
- The operator will check the supporting documents of its suppliers.

PARAGRAPH: 4. The BIOTROPICO Certifier can reject a registration request from a supplier or delete a previously accepted registration if the supplier does not meet the requirements set forth in literal a.

PARAGRAPH: 5. Regarding the commercialization of seeds of horticultural plants, it maintains at least the following information:

- Basic information on the Productive Unit.
- The scientific name of the species and the denomination of the variety;
- The name and data to contact the supplier or its representative.

PARAGRAPH: 6. Based on reliable information from where seeds and organic plant reproductive materials can be extracted, in case they do not exist in the market in the ecological variant, seeds or vegetative reproductive material that have not been obtained will be allowed by the ecological production method when necessary to guarantee access to feed, seeds, vegetative reproductive material, live animals and other agricultural production means.

- Seeds and vegetative propagating material from a production unit undergoing conversion to organic farming may be used;
- Non-organic planting seeds may be used as long as the planting seeds have been treated with authorized plant protection products for the treatment of seeds in Annex II of this Standard and that the Operator can demonstrate to the satisfaction of the BIOTROPICO Certifier, the impossibility of obtaining in the material market that complies with the principles of this Standard.
- Permission to use non-organic planting seeds must be done annually or by planting cycles, before planting the crop (considering that there are species of vegetables or vegetables that cease to have viable reproductive power in tropical areas) and in most of them must be imported.

## ARTICLE 7. HARVEST

The harvests must be carried out in the optimal states of maturation and under suitable conditions that allow preserving the ecological integrity of the products.

Operators can simultaneously collect organic and uncertified products from only different species and when appropriate measures are taken to avoid any possible mixing or exchange with uncertified products and to ensure the identification of ecological (organic) products.

The BIOTROPICO Certifier determines to carry out inspections without prior notice to the entire supply chain at times when the organic product is being harvested and ready for processing, if this action is pertinent. Taking into account that the operator keeps at the disposal of the BIOTROPICO Certifier or control authority the data regarding

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the days and hours of collection and the date and time of receipt of the products (crops to process and / or short cycle).

Post-harvest includes the stages of selection, classification, packaging, transportation, and storage. However, its total and partial performance or the sequence of them depends on each crop.

In coffee and cocoa crops where wet processing is done on each farm, reference should be made to the type of processing (benefit required to obtain the product on parchment), product preparation.

## ARTICLE 8. WATER MANAGEMENT

For activities of human consumption, collection and packaging and / or irrigation, a water conservation plan must be established and comply with current environmental legislation regarding water use and discharge management. The source, as well as possible causes of contamination, must be evaluated under the responsibility of the BIOTROPICO Certifier. The ecological and sanitary integrity of the final ecological certified product, as well as its safety, must not be affected by the quality of the water.

Water conservation is a concept included in a general management policy, associated with sustainable development that makes it possible to make the most of the water resource and ensure that there will be no degradation, to avoid jeopardizing its future availability.

a) The water used for the transformation and processing of ecological (organic) products must be potable water, in accordance with the law.

b) Water intended for animal consumption must comply with the provisions of the law.

c) In case of having a deep well or making use of surface sources, the plots (farms) must maintain the respective permits for the use of water and follow the recommendations of the competent environmental authority to avoid contamination.

d) Operators must apply inputs so they that do not contaminate water sources by draining into surface waters or leaching into groundwater. At the same time, environmental regulations regarding wastewater management and disposal must be complied with.

## ARTICLE 9. PROTECTION OF ALL SOURCE AND STRATA AQUIFER - Certification as an ecological Mineral Water

1. APPROVAL: Any source, any well or any drilling destined to the collection of natural mineral water must be approved by the competent authority of the area.

2. DETERMINATION OF THE ORIGIN OF NATURAL MINERAL WATER: The origin of the natural mineral waters used, the duration of their stay underground before capture, as well as the origin of their chemical and physical properties must be determined by means of adequate analysis methods , provided that this operation is methodically possible in the case in question.

3. PROTECTION PERIMETER: A competent authority should determine, if possible, the perimeters within which natural mineral water could be contaminated or otherwise modified in its chemical or physical qualities. Several perimeters of different dimensions can be foreseen as long as the hydrogeological conditions are respected and the possibilities of contamination are taken into account, as well as the physical, chemical and biochemical reactions.

4. PROTECTION MEASURES: Within the protection perimeters, all possible measures must be taken to avoid any contamination or external influence that affects the chemical and physical quality of natural mineral water.

The BIOTROPICO Certifier will issue requirements regarding the evacuation of liquid, solid or gaseous wastes, the use of substances that can alter natural mineral water (for example, those that come from agriculture) as well as any possibility of accidental modification of mineral water natural due to natural phenomena such as changes in the hydrological regime. Particular consideration should be given to possible contamination agents: bacteria, viruses, fertilizers, hydrocarbons, detergents, pesticides, phenolic compounds, toxic metals, radioactive substances and other soluble ecological or ecological substances. Even when natural mineral waters appear to be sufficiently protected by nature against surface contamination agents, risks such as mining, hydraulic and civil engineering works, etc. must be taken into account.

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PARAGRAPH: The establishment that is dedicated to the collection, packaging and commercialization of natural mineral water with the ecological denomination must apply good manufacturing practices.

#### ARTICLE 10. AREAS OF WILD COLLECTION

Harvesting wild plants or parts of them that grow naturally in natural areas, forests and agricultural areas shall be considered an ecological production method provided that:

1. These areas have not received, for a period of at least three years prior to harvesting, treatments with products other than those authorized for use in organic production;  
2. The collection does not affect the stability of the natural habitat or the maintenance of the species in the area.  
a) Wild collection areas should be away from population centers, roads, industries and forests or agricultural areas that are treated with products other than those indicated in Annexes I and II. The following minimum distances will be met:

- 500 meters to freeways, national highways and other high traffic density roads.
- 50 meters to the rest of the roads.
- 5 meters to paths.
- 400 to 500 meters to forest and agricultural areas treated with products other than those indicated in the regulatory annex.

b) In the products collected, no contaminating residues can be found above the regulated levels that can be accepted due to generalized environmental contamination, regardless of the cause, and that any case of residues will be thoroughly investigated to check or verify evidence of contamination. beyond the control of the collectors.

#### DELIMITATION OF THE COLLECTION AREA

1. The perimeter of the wild collection area must be easily identifiable on the territory, for which it must coincide with geographic and / or property limits.  
2. The collection must be carried out by the authorized person or persons. If there are other workers hired for this work, they will have to be directly supervised by the authorized person.  
3. The collection is carried out with criteria of conservation and protection of the environment, excluding systems that favor erosion and soil depletion or that harm the stability of the natural habitat.  
4. When the whole plant or a vital part of it is collected, the intensity of the harvest should be limited to the capacity for self-regeneration so as not to affect the maintenance of the species in the area.  
5. The collection of endangered plants is not allowed.  
6. A daily collection record will be established that will be kept up-to-date and for which the person authorized for collection will be responsible. The following data will be recorded in the book:  
a. Date of collection,  
b. collected species,  
c. amount collected,  
d. collection place,  
e. name of the people hired for the collection.

For publicly owned areas, the collection record shall include, where appropriate, observations on the incidence in the area of pressures and / or inadequate collection systems by other users.

#### DOCUMENTATION TO PROVIDE

1. Registration request that must include the name of each area and the products (scientific name: genus and species) to be collected.  
2. Minimum scale map 1: 50,000 in which the perimeter of each collection area is delimited.  
3. Proof of ownership:  
a. If the collector is the owner or lessee of the area, title deed or lease.

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- b. if the area is public property, authorization from the owning public entity and specification, if any, for the collection activity.
- c. If the area is privately owned, a commitment signed by the collector to have obtained written or verbal authorization from the owner, for the collection activity.
4. License (if legally established) for the use of certain forest products.
5. Certificate by the owner that the areas have not undergone any treatment with products other than those indicated in Annexes I and II of this Standard during the three years prior to collection.

#### ARTICLE 11. POST HARVEST MANAGEMENT

Every Ecological Operator must have the knowledge of the appropriate processes that are made to a harvested product and the necessary handling technology that is made in a natural and fresh state.

The following practices are allowed:

- Storage under controlled atmospheres (carbon dioxide or nitrogen), with appropriate safety measures.
- Treatments with hot water, hot air or steam treatments to slow decomposition by microorganisms.
- Natural drying in the sun or with forced air.
- Use of food grade waxes.
- Cooling.
- Other practices that do not contradict the provisions of this Standard.

Operators must ensure that organic products are transported to other units, including wholesalers and retailers, only in suitable, closed containers, or vehicles so that their contents cannot be replaced, and that they are provided with a label in which, in addition to all indications provided by regulatory provisions, the following information is mentioned:

- The name and address of the operator and the owner or seller of the product;
- The name or numerical code of the BIOTROPICO Certifier, as well as the name and destination location of the organic product.

#### ARTICLE 12. IONIZING EMISSIONS

In no case is ionizing irradiation allowed to ecological agricultural products or food (organic) as well as raw materials and inputs.

#### ARTICLE 13. MINIMUM CONTROL REQUIREMENTS

Prior to the date set by the BIOTROPICO Certifier, the operator must annually notify its plant production program, detailing it by parcels (farms).

If the production is marketed as a fresh product (fruits, vegetables, legumes, etc.), the products and facilities must comply with the laws and decrees issued by the Authorities, and the BIOTROPICO Certifier must inspect the activities of preparation, packaging, storage, transport, distribution, marketing, export and import of food.

- Every Operator applying for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.
- You must describe in detail the management and production plan, which you must update each year with additional information and changes in the production system, areas and quantities (you must consider the conversion plan for the entire Productive Unit in 5 years in case of parallel production).

The management and production plan should include:

- Basic information of the Productive Unit (If it is an association - a documented Internal Control System)
- Description of practices and procedures including frequency and implementation.
- A list of substances used as inputs, indicating their composition, source, dose, where it is used and documentation on commercial availability.

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- d. Describe in the case of using traps and dispersants, except in the case of pheromone dispersers, such traps and dispersants will prevent the substances from being released into the environment, as well as the contact between the substances and the cultivated plants.
- and. Description of monitoring practices implemented, including frequency.
- f. Description of the registration system and documents to meet the requirements.
- g. Description of practices and procedures to prevent mixing of ecological (organic) products with conventional products (buffer zones in crops, separation measures, batch identification, etc.)
- h. In the case of a multi-ingredient product, a statement of its composition and the percentage of ecological (organic) products it contains;
- i. Description, how to prevent contact with prohibited substances in warehouses and transportation.
- j. A documented report, with evidence, on the changes made to the plan of the previous year.
- k. A documented report of harvested products.
- l. Ensure that in the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this standard is prohibited.
- m. When an operator manages several production units on the same surface, as it is guaranteed that the units dedicated to non-organic products, together with the storage rooms for the inputs, must also be subject to the minimum control requirements.
- n. The commitment by the operator to carry out the operations in accordance with the provisions established in Regulation (EC) no 834/2007 and in this Standard.

#### ARTICLE 14. CONTROL PROVISIONS

The complete description of the unit must:

- Be prepared even when the operator's activity is limited to the collection of wild plants;
- Indicate the storage and production premises, as well as the parcels (farms) and collection areas and, where appropriate, the premises where certain transformation or packaging operations are carried out.
- Specify the date on which the prohibited products for the ecological production standards were last applied in the plots (farms) or in the collection areas.
- The operator will check the supporting documents of its suppliers.
- For the storage of the products, the areas must be managed in such a way that the identification of the lots is guaranteed and any mixture or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic products must be clearly identifiable at all times.
- adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological products; operators must record these operations. Operations on organic products will only be carried out after the production equipment has been properly cleaned.
- In the case of the collection of wild plants, the concrete measures include the guarantees that the operator may present, offered by third parties regarding compliance with the regulations of the local and national government.
- The Operator must accept, in case of infringement or irregularities, the forced application of the measures of the ecological production rules; the Operator will also sign said report and take the appropriate corrective measures.
- The Operator undertakes to inform the buyers of the product in writing in order to guarantee that the indications regarding the organic production method are removed from said production.

**ARTICLE 14.1. Measures in case of suspected infringement and irregularities.** In the event that an operator considers or suspects that a product that he has produced (harvested) or received from Organizations (groups) does not comply with the rules related to organic production, he will initiate procedures to remove any reference to the production method from said product ecological, well to separate and identify the product. You can only send it for your transformation or packaging or commercialize it after having dispelled that doubt, unless its commercialization is carried out without any indication of reference to the organic production method.

- In case of such doubts, the operator will immediately inform the BIOTROPIC Certifier. The BIOTROPICO Certifier may demand that the product cannot be placed on the market with indications regarding the organic

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production method until it is satisfied, by the information obtained from the operator or from other sources, that the doubt has been eliminated.

PARÁGRAFO. All inspection checklists must be signed by the head of the production unit operator and by inspector assigned by the Certifier BIOTROPICO. At the end of the closing meeting BIOTROPICO inspector must deliver a copy of the checklist filled out to the operator or responsible for the Program considered to Certify.

#### **ARTICLE 14.2. Exceptional production standards (New)**

1. In the event that there are exceptional circumstances, for example: fortuitous natural events, sanitary emergencies, and many others, BIOTROPICO may grant exceptions to the rule, document the procedures and requirements of said exceptions and inform the control authorities.
2. The following shall be considered exceptions:
  - a) catastrophic events decreed by governments,
  - b) also natural events that occur in the regions of certified operators and that impede the control activity,
  - c) events and limitations of public order that prevent the exercise of due control activity freely and impartially in accordance with the requirements,
  - d) when temporary measures caused by the natural emergency (catastrophes, earthquakes, floods, hurricanes, among others) are required to allow the continuity of ecological certification, such as annual controls for the operator that is part of a certified program.
  - e) when necessary to guarantee the attention to the Certified Operators during the situation presented by COVID-19.

### **CHAPTER IV. LIVESTOCK COMPONENT - ANIMAL PRODUCTION (CATTLE AND POULTRY). REQUIREMENTS FOR THE ECOLOGICAL AGRICULTURAL PRODUCTION**

The production of domestic animals of ecological production units is based on the development of a complementary and harmonious relationship between the land, plants and animals. When animals are kept for organic production, they must form an integral part of the ecological productive unit; its system of breeding and maintenance must comply with the provisions of this Standard.

#### **ARTICLE 15. PRINCIPLES OF THE ECOLOGICAL LIVESTOCK PRODUCTION**

Ecological breeding, development and sustainment activities should be governed by the following principles:

1. Meet the basic physiological and behavioral needs of animals.
  2. The production practices or techniques, especially related to the growth rate, should be aimed at achieving good animal health.
  3. Use animals that are productive and adapted to local conditions by selecting breeds and individual animals.
  4. Animals are identified permanently, individually, or in batches - poultry and other minor species, so that they can be traced from birth to slaughter and marketing of their products and by-products.
  5. The products used in the cleaning and disinfection activities of facilities and equipment must comply with the provisions of Annex VII of this Standard.
  6. The information of the animals must be described in a register that is always available in the production unit for the BIOTROPIC Certifier and health authorities.
- The requirements that are named apply to production systems:
- a) Larger species (cattle, buffalo and equines)
  - b) Minor species (poultry, pigs, goats, sheep, rabbits and other productive domestic species for human consumption).

#### **ARTICLE 16. ORIGIN OF THE ANIMALS**

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Ecological (organic) agricultural production systems can be developed using domesticated species and breeds, as long as they are in adequate nutritional conditions, that the species are adapted, and maintain the nutritional and health requirements for the different environments and agro-ecological conditions of the country of origin.

Animals must proceed:

a) From certified organic livestock farms.  
b) If certified organic animals are not available, non-organic reared domestic animals may be introduced, which do not exceed the ages listed below:

- Bovines, buffaloes and foals: under six (6) months
- Chicks destined for egg production: not more than eighteen days (3) weeks
- Chicks destined for meat production: less than three (3) days
- Breeding pig: three (3) months
- Fattening pig: forty (40) days
- Sheep and Goats: one (1) month
- Rabbits: twenty (20) days

Difference Cattle used for organic (organic) products will comply with the following:

a) It will be born or hatched in production units conforming to this Standard;  
b) Descent from parents raised under the conditions specified in this Standard;  
c) He is raised under this system all his life;  
d) exceptions are made to the requirements, for birds or for individual herds or animals that are being converted to organic production:

1. Birds used for edible poultry products are birds that have been under continuous ecological management, in accordance with this Standard, beginning no later than the third day of life; Birds will not be given any medications except vaccines.

2. Animals used for milk production will have been under continuous ecological management, in accordance with this Standard, for at least one year.

3. Animals (major species) used for meat will have been under continuous ecological management, in accordance with this Standard, from the first 6 (six) months.

Animals purchased for breeding are or come from organic companies. By way of exception, when it can be shown that there is no organic breeding stock available, they can be brought from an uncertified operation to an organic operation and integrated into an organic system. However, the meat of these animals is no longer labeled with the ecological name. Cattle from uncertified sources are no longer considered as organic breeding stock outside the ecological operation if they are raised under this Standard for less than 12 months.

All livestock or edible livestock products that are removed from an organic company and handled in an uncertified company will no longer be considered as ecologically produced.

PARAGRAPH: 1. The BIOTROPICO Certifier authorizes the renewal or reconstitution of a herd or herd with non-ecological animals if animals raised by the ecological method are not available in the event that a disease or catastrophe causes a high mortality of animals and whenever the respective conversion period applies to non-organic animals.

PARAGRAPH: 2. The origin of the animals without certification, is allowed in the case of entering the animals to the productive unit once the weaning is done; therefore it can be in some cases, up to a calf or buffalo age of 6 months. The operator must clearly justify to the BIOTROPICO Certifier and the competent authority, the need to acquire animals of that age and provide evidence of the production system from which the animals are acquired.

PARAGRAPH: 3. It is important that the ecological production system allows the incorporation of breeding stock for self-sufficiency, the maintenance of the population and the conservation or improvement of genetic quality.

Livestock can be replaced by animals obtained under certified organic production systems. If the obtaining of certain specimens is only conventional, the use of animals that come from this system is allowed, with prior authorization

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from the BIOTROPICO Certifier, and demonstrating the impossibility of obtaining breeding stock from ecological (organic) production sites and production systems.

Every year up to 10% of the inventory can be introduced in older adult cattle and up to 20% in younger adult cattle, but once they are entered into the unit, they must be raised and fed permanently according to this standard. Any variation and increase in these percentages depends on the particular situation and on any extreme seriousness that may arise, which is studied by the Certifier and, in turn, is supported by the Ministries of Agriculture. Similarly, the ages of the animals must be in accordance with the provisions of this Article. These times are valid until December 31, 2020.

PARAGRAPH: 4. The percentages established in the previous exception do not apply to production units in which there are less than 10 animals of the equine, vaccine or buffalo species, or less than 5 animals of the porcine, ovine or caprine species. For these units, the renovations contemplated in the previous paragraph are limited to a maximum of one animal per year.

These percentages can be increased up to 40%, with prior notice and authorization from the BIOTROPICO Certifier, in the following particular cases:

- When a major expansion of the farm is undertaken.
- When a race change occurs.
- When a new type of production is developed.
- When breeds are in danger of extinction.

#### ARTICLE 17. PRINCIPLES ABOUT THE ANIMAL WELFARE

Animal production is an activity related to land. Herbivores must have access to pastures, and all other animals should receive exceptions when the physiological condition of the animals, climatic conditions and the state of the terrain allow it, or when the structure of certain "traditional" agricultural production systems restricts access to pastures, provided that the welfare of the animals can be guaranteed.

1. The biological and behavioral needs of the animals are respected, without synthetic chemicals being used in their development.
2. Animals are raised and kept in natural places or in conditions as naturally as possible, in such a way that they are guaranteed free movement, enough fresh air, natural daylight, protection against excessive sunlight, extreme temperatures and the wind, enough area to rest, access to water and food.

The use of cages is prohibited, except when specific environmental conditions warrant it.

3. Unnecessary mutilation is no longer allowed in animals.
4. They cease to allow permanent confinement for birds and mammals at any stage of development.
5. The size of the herd must in no case affect the individual behavior patterns of the animals. All of them should have access to the outdoors and to grazing, if it is their own.
6. Ensure that for any system, animals must stop suffering stress, pain, sudden changes in behavior and anxiety.

#### ARTICLE 18. DENSITY

The density corresponds to the presence of animals of any species in a defined area according to the availability of food, agrological conditions of the land, management of the species and possibility of soil recovery; therefore the density is highly variable. For livestock production systems, the animal densities of annex IV of this Standard will be taken as a reference, so that the nitrogen contribution stops exceeding the limit of 170 kilograms N per hectare per year.

a) Mammals must have free access to direct grazing and exercise areas or outdoor spaces that may be partially covered, considering the physiological conditions of the animals, atmospheric conditions and the state of the soil, which in no case should they suffer no degradation.

b) Poultry should be raised in open space conditions and should no longer be kept in cages. The outdoor spaces must be covered for the most part by vegetation and be equipped with protection facilities, allowing animals easy access to drinking fountains and feeders.

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c) Waterfowl must have access to a stream, a natural or artificial water source or a pond, respecting their well-being and hygiene.

d) In the case of laying hens, natural light can be supplemented with artificial means to obtain a maximum of 12 hours of light daily, with a continuous night rest period without artificial light of at least 10 hours. The above is applied only in the case that the need for the supply of natural light on some days of the year for the region where the exploitation is located is demonstrated.

e) Poultry production in addition to the grazing area can manage covered areas with the following densities:  
Laying hens 3 to 5 per square meter; In other words, from 9 kilograms to 15 kilograms per m<sup>2</sup>

- Broiler in temperate climate 6 - 7 and cold from 9 to 10 per square meter.

f) In production systems in which it is necessary to keep animals in confinement, the optimal load tries to guarantee their well-being, giving them enough space to naturally stand upright, to stretch or flap their wings.

g) It is not allowed to lock rabbits in cages.

h) The load in the grazing area must be low enough to prevent the soil from sludging or destroying plant species by overgrazing.

i) The accommodation must have a comfortable, clean and dry area for sleeping or resting large enough.

j) In the case of adult sows, they must be kept in groups, it is recommended that they be isolated from the other animals in the group in the last stages of the gestation period and during suckling. Piglets cannot be kept on raised platforms or in cages.

#### ARTICLE 19. PARALLEL PRODUCTION IN THE SAME UNIT

Can overtake conventional parallel productive systems, if they are of different species, guaranteeing the delimitation and separation of the productive systems, and at the same time measures to avoid contamination and mixtures of animals or products.

#### ARTICLE 20. CONVERSION OF ANIMALS TO THE ECOLOGICAL LIVESTOCK PRODUCTION

It is understood as a beginning of the conversion period the date of registration of the certification program accompanied by the initiation of activities in the productive unit that would lead to the management of a productive system ecological. For those animal products can be marketed as ecological agricultural product, the animals must have been bred in accordance with this Standard for a period of at least:

Cattle and buffalo intended for meat one (1) year, and six (6) months for milk production

Poultry for meat ten (10) weeks, and six (6) weeks for the production of eggs

Pigs six (6) months

Goats and Sheep six (6) months

PARAGRAPH 1. The above times are set taking into account that the land dedicated to grazing has reached the category of ecological.

PARAGRAPH 2. The animals and products that are within the program of conversion to ecological (organic) and under a contract with the Authority BIOTROPICO, but do not yet comply with the time stipulated by the present standard, can be sold as animals or products in conversion if its completed half the time established and have your current certificate.

#### ARTICLE 21. CONVERSION OF LAND, PASTURES AND FORAGES TO ECOLOGICAL LIVESTOCK PRODUCTION

a) The conversion period for pasture and forage is two (2) years. If during the last three (3) years the productive unit has not developed conventional production systems and it can be demonstrated, it can be established as ecological after one (1) year.

b) According to the needs of each species, sufficiently large areas are arranged to allow free grazing, in which pasture or forage associations with trees or shrubs must be established. The foregoing is in order to promote

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biodiversity, protect the soil from erosion and provide protection to animals, the diversification of forage species, the association of grasses with legumes, oilseeds or other native vegetables should be encouraged to provide a variety of nutrients to the animals.

c) The use of chemical synthesis inputs for the management of pasture and forage crops is prohibited.

d) The products and substances that can be used in organic farming (Annex I and II) will be authorized for use in organic production and will include them in a restricted list for the following tasks:

- As plant protection products;
- As fertilizers and soil conditioners;

e) When a production unit is converted, the entire surface of the unit used for animal feed must meet organic farming standards; the conversion periods established in this article are established.

f) In the case of perennial crops that require a cultivation period of at least three years, and whose varieties cannot be easily differentiated, provided that the following conditions are met:

- i. that the production in question is included in a conversion plan that formally commits the producer and according to which the start of the conversion to organic production of the last part of the areas included in it begins as soon as possible and, in any case, within a maximum period of five years,
- ii. that the appropriate measures have been taken to guarantee at all times the separation of the products from each of the units considered,
- iii. that the harvest of each of the products considered is communicated to the control body or authority at least 48 hours in advance,
- iv. that, after harvesting, the producer informs the control body or authority of the exact quantities harvested in the units concerned and the measures applied to separate the products,
- v. that the conversion plan and the mentioned control measures have been approved by the BIOTROPIC Certifier; Such approval must be confirmed every year after the start of the mentioned plan.

## ARTICLE 22. NUTRITION

The diet must be balanced according to the nutritional requirements of the animals, and fundamentally of ecological origin based on the use of vegetable products (fresh, dry pastures, or silages, green forage, grains, tubers, oils), products of animal origin (milk, milk products, fish or fish products) and products of mineral origin (salts, sulfates, others).

a) The food that the animals consume will always be based on what is produced inside the ecological farm.

b) Whenever possible, protein banks and silvopastoral systems should exist so that animals can be fed naturally.

c) The use of food from living genetically modified organisms or their derivatives, in basic and / or complementary food, is prohibited.

d) All animals must have ample access to fresh, clean water, without bacteriological or chemical contamination, suitable for animal consumption.

e) Trace elements, vitamins and provitamins can only be used if they come from natural sources and according to the list in Annex V of this Standard.

f) The products and substances that can be used in organic farming for the following tasks will be authorized for use in organic production and will include them on a restricted list:

- ☐ as non-organic raw materials of plant origin and raw materials of animal and mineral origin for feed and certain substances used in animal nutrition;
- ☐ as additives for animal feed and technological aids;
- ☐ Additives and adjuvants can be used in animal feed only if they come from natural sources and not from synthetic sources, such as:
  - Binders, anti-compact agents before, emulsifiers, stabilizers, thickeners, surfactants, coagulants;
  - Antioxidants;
  - Preservers;
  - Coloring agents, flavorings, stimulants of appetite;
  - Pro-biotics.

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- g) The use of antibiotics, coccidiostats, growth promoters, anabolics or any other substance intended to stimulate growth or production is prohibited in animal feed.
- h) The use of fishmeal is allowed in a percentage not greater than 3% of the diet.
- i) The use of domestic or imported meat, blood, bone meal and offal from mammals in the formulation of food is prohibited.
- j) The feeding of young mammals should be based on natural milk, preferably breast milk. All mammals must be fed natural milk for a minimum period depending on the species in question, which is 3 months for cattle, buffalo and equines, 40 days for pigs, 45 days for sheep and goats.
- k) In the case of herbivores, rearing systems will be based on the maximum use of pastures, according to their availability under different environmental conditions or times of the year. At least 70% of the dry matter that makes up the daily ration will consist of common, fresh, dried or ensiled fodder. However, the BIOTROPICO Certifier may authorize that in the case of animals destined for milk production, this percentage be reduced to 60% during a maximum period of 3 months at the beginning of lactation.
- l) For the daily rations of pigs and poultry, it is allowed to use a maximum of 5% of non-organic protein feed per period of twelve months with effect from 12.31.2020.

### ARTICLE 23. PROPHYLAXIS AND VETERINARY CARE

It must be ensured that all practices within livestock production (good quality nutrition and feeding, management, animal welfare, selection of breeds or strains, application of appropriate zootechnical practices, reduction of stress, maintenance of adequate densities to avoid overload, etc. ) are aimed at achieving maximum resistance and prevention of diseases and infections, through the use of medicines and natural methods, including homeopathy, acupuncture, traditional medicine or other alternative practices, provided that they have an effective therapeutic effect for the animal species concerned and for the pathologies or diseases for which the treatment is prescribed. If, despite all the preventive measures, any animal becomes ill or is injured, the BIOTROPIC Certifier must be informed, and the following principles must be applied:

- a) Synthetic prophylactic drugs can be used, as long as there is a latent risk in the animal's health, and if the use of drugs and natural methods have not been effective. The BIOTROPIC Certifier must be notified of this measure and the treatment applied must be duly noted in the records of the establishment in question.
- b) When an animal or group of animals receives up to three treatments with chemically synthesized allopathic veterinary drugs or antibiotics in one year or more than one treatment if its productive life cycle is less than one (1) year, the animals or derived by products of these cannot be sold as produced in accordance with this Standard, and must be subject to the conversion periods established in this Standard.
- c) Sick animals and under treatment with allopathic drugs should be separated from the herd, a detailed record of sick animals should be kept, the treatment, duration and drugs used.
- d) Upon arrival of new batches, quarantine periods must be determined depending on the species, the stage in which it is reached, and current sanitary conditions in the region where the animals will finally be located.
- e) It should be borne in mind that in principle you should not work with sick animals, however, given the situation in which any disease occurs, an area intended for their recovery should be considered.
- f) The use of chemically synthesized allopathic veterinary drugs or antibiotics as preventive treatment is prohibited.
- g) Hormonal treatments can only be used for therapeutic reasons and under veterinary supervision.
- h) The use of conventional antiparasitic drugs with minimal residuality is allowed as the last management option, being prohibited at the beginning of pregnancy and during the lactation period. In case of using them, the withdrawal time of the pharmaceutical product is double that recommended by the manufacturer and its use must be recorded in the establishment's register.
- i) In the case of using antiparasitic for any indispensable situation due to the lack of ecological alternatives, treatments of this type can be carried out with prior clinical examination by a veterinary doctor and / or on positive co-parasitological analyzes carried out by laboratories authorized by the competent entity.
- j) The use of organophosphate, organochlorine inputs as external dewormers is prohibited.

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k) Treatment at the beginning of pregnancy and the use of antibiotic products in chronic cases or those with repeated presentation are prohibited.

l) As a way of administering the authorized products, the incorporation of drugs into the diet is prohibited, it is only allowed if the animal is quarantined or isolated from the trailing group and the feeding must be provided separately from the other animals in the group.

m) The use of anabolics and growth promoters is not allowed.

PARAGRAPH. Are mandatory vaccinations, the treatment of animal housing or equipment and facilities that are required within the programs of state control zoo – sanitary.

#### ARTICLE 24. REPRODUCTION

a) Reproduction is totally natural and there should be no inbreeding between animals. Notwithstanding the foregoing, artificial insemination is permitted.

b) Embryo transplanted is no longer allowed.

c) No use genetically modified animals or their descendants or multiplied by cell cloning.

d) The use of hormones or similar substances for the control of reproduction (synchronization and / or control of jealousy) is allowed only in cases necessary for medical reasons. The BIOTROPIC Certifier must be notified of this measure.

#### ARTICLE 25. ZOOTECHNICAL PRACTICES

a) Every ecological productive unit must have a management plan, production plan, sanitary plan and have records of their animals.

b) With prior authorization from the BIOTROPIC Certifier and under technical justification, practices such as topification, castration and remove the peak can be carried out, for reasons that involve aspects of animal health, safety and welfare. In all cases, animal non-suffering must be ensured.

c) The permanent housing of birds and mammals is not allowed, the raising and development areas must have spaces that do not repress their conduct or behavior to move, socialize, rest, feed, reproduce, protect themselves and also guarantee hygiene and health of the animals.

d) Corrals, outdoor exercise areas and open spaces should offer, if necessary and depending on local climatic conditions and the races in question, sufficient protection against rain, wind, sun and extreme temperatures.

e) Shelters, enclosures, equipment, and utensils should be properly cleaned and disinfected to avoid multiple infections and the development of germ-carrying organisms. For the cleaning and disinfection of equipment and facilities, only the products mentioned in Annex VII of this Standard may be used.

f) Manure, urine and spilled or unconsumed food should be removed as often as necessary to minimize odors and not attract insects or rodents. Under no circumstances can this type of waste have water sources as its final destination. For the elimination of insects and other insects in buildings and facilities, only the products listed in Annex VII and Annex II (parts 2 and 3) of this Standard may be used.

g) For poultry for sanitary and production reasons, adequate rest, separation and disinfection practices must be carried out and evidenced in writing, both for the house and for the areas destined for grazing by house, the activities carried out between a batch of birds and a new one that occupies those spaces.

h) The animal resting area must be provided with a wide and dry straw bed with beds. Beds must contain straw or other suitable natural materials and can be sanitized and improved with any of the mineral products authorized as fertilizers in organic farming.

i) Keeping animals on a leash is prohibited. However, the BIOTROPIC Certifier may authorize such practice in some specific cases, with prior justification by the producer, when necessary for safety or welfare reasons and provided it is only for limited periods.

j) When animals are raised in groups, the size of the groups should be determined according to the stage of development of the animals and the inherent needs of the behavior of the species in question.

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k) Regarding domestic poultry destined for meat production, the age at slaughter is at least eighty-one (81) days. Notwithstanding the aforementioned, taking into account the climatic characteristics, it can be reduced to seventy (75) days.

## **ARTICLE 26. ANIMAL WELFARE AND PROTECTION DURING SHIPMENT, TRANSPORT BY ROAD, ENCLOSURE AND THE SACRIFICE**

- a) An appropriate vehicle for the transport of animals must be available, which must be cleaned and disinfected before and after each trip.
- b) During confinement and boarding, animals should not be mistreated, guaranteeing minimum stress, avoiding the excessive use of force and coercive methods. In the transport of livestock, the use of electrical stimuli or allopathic tranquilizers is not allowed.
- c) During shipment, a veterinary inspection must be carried out, documents, vaccinations and the animal's state of health must be verified.
- d) The charge density will be a function of its size, its physiological conditions and its type of behavior.
- e) During transport, animals must be regularly inspected by the driver to ensure their comfort.
- f) When driving vehicles, the welfare of the transported animals must be taken into account, so drivers must not accelerate or brake suddenly and turn excessively.
- g) If the trip lasts more than eight (8) hours, they should be given a rest period by disembarking the animals and installing them in suitable places. The adequate water supply they need during the rest period must be guaranteed.
- h) Upon arrival, adequate facilities and means will be provided to facilitate the landing of the quantity and type of animals transported.
- i) Prior to slaughter, once the cattle reach their destination, the animal must be rested for a period of not less than 12 hours and the water supply. In the case of birds, the time is not less than three (3) hours. In any case, the quarantine periods established by the health regulations or health authority must be taken into account.
- j) The slaughter system must be carried out in such a way that stress and suffering are minimized, reducing the duration and the impact on the animal.
- k) Animals and animal products must be identified throughout the production, preparation, transport and marketing chain.

## **ARTICLE 27. SLAUGHTER PLANTS:**

- a) Slaughter of live cattle should be conducted in a manner that minimizes stress and suffering.
- b) Slaughterhouses will obey the provisions of the Regulatory Decrees. Class I slaughterhouses must have the following areas, dependencies and basic equipment for their operation:
  1. Health protection area;
  2. Access roads and maneuvering yards, loading and unloading;
  3. Arrival Scale;
  4. Slaughter pens;
  5. Vehicle washing and disinfection area;
  6. Scale for live cattle;
  7. Bath for live cattle;
  8. Slaughter room, according to species;
  9. Boning and packing room, when these actions are carried out in the plant;
  10. Cooling system;
  11. Area for retained channels;
  12. Necropsy room or sanitary slaughterhouse;
  13. Special section for processing and packaging of by-products;
  14. Boiler and compressor section;
  15. Deposit for confiscation;
  16. Area and equipment for pig blanching;

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17. Isolated room for washing and preparing white viscera;
18. Refrigerated room for storing white and red viscera;
19. Area for processing and storage of heads;
20. Leg blanching and storage area;
21. Fur room;
22. Rail scale for weighing the carcasses;
23. Manure storage system;
24. Office of medical-veterinary inspection;
25. Wastewater treatment system;
26. Drinking water reserve tank;
27. Warehouse and warehouses;
28. Offices or administrative dependencies;
29. Area for various services and maintenance;
30. Sanitary and dressing facilities;
31. Cafeteria.

c) Adequate separation of the slaughters of the batches of ecological (organic) animals should be ensured. Preferably they should be slaughtered in separate sections or at time intervals that guarantee the cleaning and disinfection of the areas or no cross contamination.

Operations on organic products will only be carried out after the production equipment has been properly cleaned.

d) Animals must be clearly identified, so that they are not confused after slaughter with conventionally produced animals. Organic meat must be slaughtered in separate batches and stored separately from conventional meat.

#### **ARTICLE 28. MANURE MANAGEMENT:**

The manure management practices used to maintain any area where livestock is housed, corralled or kept, should be implemented in such a way that:

- a) Minimize soil and water degradation.
- b) Do not contribute to the contamination of water by nitrates and pathogenic bacteria.
- c) Optimize the recycling of nutrients (Compost, use in biodigesters, etc.).
- d) They do not become sources of insect proliferation
- e) The management practices must be implemented in order to comply with environmental regulations regarding the use and management of water and soil resources.
- f) Disposal and use.

PARAGRAPH 1. All the facilities of storing and handling of manure, including the facilities of behaved, must be designed, built and operated in such a way as to prevent the pollution of groundwater and/or superficial.

PARAGRAPH 2. Application rates of manure must be at levels that do not contribute to the pollution of groundwater and/or superficial. The time and the methods of application must not increase the potential of that run toward the ponds, rivers and streams.

PARAGRAPH 3. The total amount of manure must not exceed 170 kg of nitrogen per hectare per year of the utilized agricultural area. In the event that it is outdated, the total stocking density must be reduced to avoid exceeding the limit previously set.

#### **ARTICLE 29. MINIMUM REQUIREMENTS OF CONTROL - EVALUATION OF MEASURES**

The products and facilities must comply with the laws and decrees issued in which it regulates the activities of slaughter, preparation, packaging, storage, transport, distribution, marketing of food in the national territories and its export and import.

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Every Operator applying for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.

Every Operator must describe in detail the production and processing plan, which must update each year with additional information and changes in the production system, areas, establishments and animal quantities (breeds, types), must contemplate the conversion plan of all the Productive Unit in 5 years in case of parallel production.

1. When the application of the evaluation regime specifically applicable to animal husbandry begins, the full description must include:

a) a complete description of the livestock facilities, pastures, outdoor areas, etc., and, where appropriate, of the premises for the storage, transformation and packaging of animals, animal products, raw materials and supplies;  
b) When an operator manages several production units on the same surface, the units dedicated to non-organic (organic) products, together with the storage rooms for the inputs, should also be subject to the minimum control requirements.

c) For the storage of the products, the zones must be managed in such a way that the identification of the lots is guaranteed and any mixture or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.

d) a complete description of the manure storage facilities.

e) In the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this standard is prohibited.

f) adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; operators must record these operations.

g) a manure spreading plan, approved by the BIOTROPICO Certifier, as well as a complete description of the areas dedicated to plant production;

h) where appropriate, in relation to the spreading of manure, the contractual provisions established in writing with the other farms that comply with the provisions related to organic production;

i) a management plan for the organic production livestock unit.

j) The data of the animals must be compiled in a register and always be available to the BIOTROPICO Certifier and authorities at the farm's headquarters.

- Animal arrivals, by species: origin and arrival date, conversion period, identification mark and veterinary history.
- Animal exits: age, number, weight in the event of slaughter, identification mark and destination.
- The possible loss of animals and its justification.
- Type of food.
- Prophylaxis, therapeutic interventions and veterinary care: dates of treatment, prescriptions of the physician for veterinary care, with justification and waiting time imposed before the marketing of animal products.

2. Inspection reports, in addition to containing the above information, must include the following:

- Identification of animals.
- Wellness conditions.
- Origin of food.
- Number of animals.
- Density.
- Methods of disinfection and cleaning of facilities.
- Origin of animals.
- Species, races and ages.
- Complete description of the manure storage facilities.
- Any other mention of compliance with this Standard.

3. Appropriate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; operators must record these operations.

The operator will check the supporting documents of its suppliers.

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**ARTICULO 29.1. Measures in case of suspicion, infringement or irregularity.** In the event that an operator considers or suspects that a product that he has produced or received from another Organization (group) does not comply with the rules related to organic production, he will initiate procedures to remove any reference to the organic production method from said product, well to separate and identify the product. You can only send it for processing or packaging or market it after having dispelled that doubt, unless its marketing is done without any indication of reference to the organic production method.

- In case of such doubts, the operator will immediately inform BIOTROPICO. BIOTROPICO or the control of BIOTROPICO may demand that the product cannot be placed on the market with indications regarding the organic production method until it is satisfied, by the information obtained from the operator or from other sources, that the doubt has been eliminated.

PARAGRAPH. All the checklists of inspection must be signed by the responsible operator of the productive unit and by the inspector assigned by the BIOTROPICO Certifier. At the end of the meeting closing the Inspector of BIOTROPICO must deliver a copy of the checklist completed the operator or responsible for the Program considered to certify.

## CHAPTER V. BEEKEEPING COMPONENT. REQUIREMENTS FOR THE ECOLOGICAL AGRICULTURAL PRODUCTION

### ARTICLE 30. SCOPE

Organic beekeeping is governed by the provisions of this standard and includes the production of honey, pollen, propolis and wax.

When it is necessary to start the organic production, or keep the exploitation for a limited time, for the purposes of the pollinator action, an operator may have beekeeping units ecological and non-ecological on the same holding, provided that they comply with all the requirements of the standards of ecological production, with the exception of the provisions for the siting of the apiaries. In such a case, the product cannot be sold as ecological.

The operator must keep supporting documents for the implementation of this provision.

### ARTICLE 31. GENERAL INFORMATION

a) Organic beekeeping is a productive activity that can be carried out with practices that do not generate a negative impact on the environment, that do not affect the quality of natural resources and human health.

b) Organic beekeeping is an activity with productive and economic potential for tropical countries, they also provide benefits to agro-ecosystems due to the effects of bees pollination on plants and the biological control they perform.

c) Organic beekeeping is based on closed cycle management, so that any intervention carried out in the apiary has to prevent the entry of material that does not belong to it.

d) This standard seeks to promote respect for the natural cycle of bees by means of management that does not produce alterations or pressures in the colony.

e) Ecological production will take into account factors such as: environmental conditions in the areas of influence of the farm, environmental factor around the apiary, management and treatment of the hive, collection, transformation and storage of the products of the bees.

### ARTICLE 32. ORIGIN OF THE BEES

a) The principle of working with a perfectly healthy apiary with genera, species and breeds adapted to the environment should be started (Regarding bees, priority will be given to the use of *Apis mellifera* and its local eco-types).

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b) Hives managed with environmentally sustainable techniques are preferably accepted, in this sense, both traditional and conventional hives can enter an ecological certification program subject to the conversion period, after analysis by the BIOTROPICO Certifier.

c) To select the bees to be used in organic beekeeping production, their adaptation characteristics to local conditions, resistance to diseases and their vitality must be taken into account.

d) In the case of loss of a significant percentage of bees due to environmental, health or management factors and there are no other ecological (organic) production systems in the area, at the discretion of the evaluation body, the hives can be restored, applying again the conversion period.

e) For the expansion of the productive system or its renewal, a program of multiplication of colonies must be established starting from the ecological breeding foot or in the process of conversion.

f) Breeding stock not produced in accordance with this standard can be purchased, with the respective endorsement of the BIOTROPICO Certifier. This exception is valid until December 31, 2020.

### ARTICLE 33. CONVERSION PERIOD

The colonies and other components of the conventional apicultural production require at least a year, to their products can be marketed with reference to the methods of the ecological agricultural production.

### ARTICLE 34. LOCATION OF THE APIARY

1. Hives must have sources of natural nectar and sufficient pollen for bees, in addition to having a water source.

2. The BIOTROPICO Certifier endorses the florist, climatic, environmental and general health conditions of the area to enter the ecological certification program; on the other hand, if the apiaries are integrated with production systems, they must also be ecological.

3. A producer or group of producers can carry out parallel production, provided that it complies with the following:

a. Having established the limit of the organic beekeeping system compared to the conventional one;

b. Present to the BIOTROPICO Certifier a projected ecological conversion and management program for the entire apiary involved in parallel production.

c. The BIOTROPICO Certifier must inspect that the area where the productive unit is to be located is a region with suitable agro-ecological conditions for beekeeping.

d. The minimum distance to sources of pollution such as towns, factories or other polluting sources must be three (3) kilometers around.

and. Beekeepers must identify, conserve, manage and propagate native bee flora.

### ARTICLE 35. MATERIALS USED IN THE APIARY

a) The hives are made with natural materials, taking into account that they are not harmful to the environment and that they do not affect the products of the bees.

b) The natural materials used must not be treated with any chemical substance (paint, immunizers, pesticides or toxic substances) that could contaminate.

c) For organic production systems, the use of wax must be of organic origin. In the event that it is not possible to obtain this type of wax, the BIOTROPICO Certifier may authorize the use of wax from production units that are no longer working under the rules of this Standard.

d) Physical treatments such as the application of steam or direct smoke are allowed.

e) The metallic materials that come into contact with the apiculture products defined in this Standard must be stainless steel.

### ARTICLE 36. FEEDING

a) The sources of food for bees are natural, taking into account that they will always be available as they are tropical countries, however, in necessary cases and with the approval of the Control Agency, artificial feeding of the colonies is allowed.

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- b) Artificial feeding should be with foods such as honey, cane honey, sugar and plant extracts, which come from certified ecological agricultural production systems.
- c) The producer must have records of the artificial feeding provided to the bees, which include the following information: type of product, dates, origin, storage conditions, frequency of use, quantities and hives in which it was used.
- d) In organic beekeeping, products other than those indicated above cannot be used.

#### **ARTICLE 37. PROPHYLACTIC MEASURES AND VETERINARY TREATMENTS**

- a) Prophylaxis should initially be based on the choice of disease resistant bees. In addition, practices that promote this resistance and avoid infections should be carried out. Continuous and systematic inspection of the hives must be carried out to prevent sanitary problems. Likewise, records corresponding to these activities must be kept.
- b) Periodic disinfection of tools and other elements of use in production, the proper disposal of contaminated materials must be carried out.
- c) A periodic renewal of the wax must be carried out.
- d) The use of allopathic medicines as preventive methods is not allowed.

PARAGRAPH: 1. In case the previous preventive measures are applied and even if the hives present cases of disease or infection, they should be treated immediately and, if necessary, they should be moved to isolated apiaries.

a. In the event that the survival of the hives is threatened by a pathology or infestation, and the products mentioned in literal b) of this article have a high probability of not being effective for their control, the use of allopathic synthetic medicines is allowed, as long as you have the approval of a veterinary doctor or some competent entity in the region.

b. If strictly necessary and all management measures have been exhausted, the control body may authorize the following products for the management and control of insects or diseases: Caustic soda, lactic acid, oxalic acid, acetic acid, formic acid, sulfur, essential oils or camphor (in case of infection by *Varroa jacobsoni*) and *Bacillus thuringiensis*, biodynamic and homeopathic preparations. The above products must be used with the appropriate application rates.

c. Hives that are treated with synthetic allopathic veterinary products must have a conversion period of one year.

PARAGRAPH 2. When performing treatments with allopathic products of synthesis in the hives, they must be isolated to beehives intended for insulation.

PARAGRAPH 3. When you must use veterinary medicinal products and before the products are marketed as organically produced (organic), must be recorded clearly and declare to BIOTROPICO Certifier the type of product used. In turn, you must indicate its active principle, the diagnosis, the posology and method of administration, the duration of treatment and the time of legal hold.

#### **ARTICLE 38. HUSBANDRY PRACTICES**

- a) Wing cutting is not allowed in queen bees.
- b) Substitution of the queen bee is allowed by removing the old queen.
- c) Artificial insemination of queen bees for breeding and genetic improvement is allowed.
- d) In the production unit, the location of the apiaries, the identification of the hives, the transfers authorized by the BIOTROPIC Certifier must be registered, without prejudice to the other records that must be kept.
- e) Adequate extraction, processing and storage of bee products must be guaranteed. All measures to meet these requirements must be recorded.

#### **ARTICLE 39. HARVESTING AND PROCESSING**

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- a) To collect the products from the hive, the destruction of bees in the combs or the use of synthetic chemical repellents is not allowed.
- b) The extraction of honey from honeycombs containing young is prohibited.
- c) If organic honey and conventional honey are packaged, the batches must be identified and separated.
- d) In addition, the label must contain the following information: name of the producer, the packer, the region, the date of extraction and the information that the health authority-INVIMA has established.
- e) The containers, utensils and equipment for harvesting must be of suitable materials such as stainless steel or glass, and disinfected with hot water or steam.
- f) In the harvesting and processing of the products, if the equipment is also used for conventional products, it is necessary to first operate with the ecological (organic) apicultural products or else carry out a thorough cleaning or disinfection, initially purging.
- g) For the storage of the products, the areas must be managed in such a way that the identification of the lots is guaranteed and any mixing or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.
- h) Products extracted from organic beekeeping production must be stored in places protected from light, hygienic, fresh and without the presence of moisture.
- i) The control of insects in the storage cellar is with bait and mechanical traps. The use of chemical pesticides is not allowed.

#### **ARTICLE 40. RECORDS AND MINIMUM REQUIREMENTS**

##### **Control provisions and operator commitment.**

The products and facilities must comply with the laws and decrees issued in the national territory, which regulates the activities of production, preparation, packaging, storage, transport, distribution, marketing of bee products in the national territories and their export.

Every Operator applying for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.

Every Operator must describe in detail the production and processing plan, which must be updated each year with additional information and changes in the production system, areas, establishments and quantities of hives (must contemplate the conversion plan for the entire Production Unit).

1. When the control provisions begin to apply, the operator prepares and subsequently maintains:
  - a. A beekeeping management and production plan that includes a complete description of the unit, the premises and their activity;
  - b. When an operator manages several production units on the same surface, the units dedicated to non-organic products, together with the storage rooms for the inputs, should also be subject to the minimum control requirements.
  - c. In the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this standard is prohibited.
  - d. Appropriate cleaning measures, the effectiveness of which must have been proven, must have been adopted before storing ecological (organic) products; operators must record these operations.
  - e. Precautionary measures to be taken to reduce the risk of contamination by unauthorized products or substances and cleaning measures to be taken in storage locations and throughout the operator's production chain.

In his case, the description and the measures contemplated in literal (a), can be part of a quality system established by the operator.
2. The description and measures mentioned in section 1 are included in a declaration, signed by the responsible operator. This statement must also mention the commitment made by the operator of:
  - a. Name of the establishment and personal data of the producer.
  - b. Geographic location.
  - c. Description of the production unit and the segments into which it is divided, such as production area, storage area, transformation, packaging or others.

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- d. Identification of the adjoining properties and type of activities they carry out.
- e. Description of facilities and equipment
- f. Cleaning and sanitary control program for equipment, machines, transport elements and tanks in order to avoid possible contaminants.
- g. Establishments that extract, produce or process organic honey must keep records of both the origin of the raw material and the manufacturing process, so that the product can be tracked (traceability / traceability) from the place of production (apiary) to the final destination. Records are always available to the supervisory authority.
- h. You must have records of the apiaries and their hives, material dispatch, reception and batch production. Operations on organic products will only be carried out after the production equipment has been properly cleaned.
- i. The operator will check the supporting documents of its suppliers.
3. Measures in case of suspected infraction or irregularities. In the event that an operator considers or suspects that a product that he has produced, prepared or received from an Organization (group) does not comply with the rules related to organic production, he will initiate procedures to remove any reference to the production method from said product ecological, well to separate and identify the product. You can only send it for processing or packaging or market it after having dispelled that doubt, unless its marketing is done without any indication of reference to the organic production method.
- In case of such doubts, the operator will immediately inform BIOTROPICO. BIOTROPICO control may require that the product cannot be placed on the market with indications regarding the organic production method until it is satisfied, by the information obtained from the operator or from other sources.

PARAGRAPH. All the checklists of inspection must be signed by the responsible operator of the productive unit and by the inspector assigned by the BIOTROPICO Certifier. At the end of the meeting closing the Inspector of BIOTROPICO must deliver a copy of the checklist completed the operator or responsible for the Program considered to certify.

## CHAPTER VI. PROCESSED FOODS

The processing and conservation of food products with ecological names (organic) is the set of processes carried out in the different parts of the production, transport, sale and consumption chain carried out with the aim of guaranteeing the life and hygiene of the products. It starts from the initial idea that food is perishable products and it is necessary to possess certain conditions and carry out certain treatments for their preservation, with appropriate procedures based on the identification of critical steps.

### ARTICLE 41. GENERAL RULES FOR THE PRODUCTION OF CERTIFICATE PROCESSED FOOD

1. Preparation of transformed organic food products will be kept separate in time or in space from non-organic food products.

Operators that produce transformed food products will establish and update pertinent procedures starting from a systematic identification of phases of critical transformation.

In no system of organic production can one use Genetically Modified Organisms (GMO) or products obtained starting from or by means of OMGs such as food products, animal feed, processing aids, or microorganisms.

2. Minerals including trace elements, vitamins, micronutrient amino acids, will be allowed when their use in food is mandatory, or because the competent authority requires it.

2.1 The use of minerals (including trace elements), vitamins, amino acids and micronutrients in organic infant and follow-on formulas, in organic cereal-based foods and in baby foods is permitted when their use is authorized by relevant EU regulations and national standard.

2.2 Operators that use non-organic products of those categories purchasing them from third parties, will demand from the supplier a confirmation that the products provided have not been obtained starting from or by means of

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GMOs. Each operator will guarantee that in no way will non-organic products are commercialized carrying an indication that makes reference to the organic production method.

3. The composition of transformed organic food products is subject to the following conditions:

a) The product will be obtained mainly starting from ingredients of certified farm origin. In the moment of determining if a product is obtained mainly starting from ingredients of farm origin, the water and table salt added will not be taken into account.

b) One can only use additives, production aids, flavoring agents, preparations of enzymes and microorganisms, minerals, trace elements, vitamins, amino-acids, and other micro-nutrients. These are used in the food products for specific nutritional uses if they have been authorized for their use in organic production and are described in Annexes VIII and IX. The use of water and salt normally used in the transformation of food products is excluded from the fluid volume of the final product. Preparations of microorganisms and enzymes will be used only if they are normally permitted for the processing of food products.

c) Non-organic farm ingredients will only be used if they have been authorized for their use in organic production and are described in Annex IX.

d) There cannot be simultaneously an organic ingredient and the same ingredient obtained in a non-organic form or coming from a facility in conversion phase.

e) Yeast and products of organic yeast will count as ingredients of farm origin starting on December 31, 2013.

4. The operator responsible must show that the documents justify his suppliers of raw materials. That these raw materials and ingredients have organic denomination or are permitted, with upstanding certificates.

5. The operator must inform without delay to the control authorities or to BIOTROPICO of any irregularity or infraction that affects the organic nature of his product or the organic products that it receives from other operators or subcontractors.

6. The preparations and substances mentioned in Annexes VIII and IX of the present Standard, and the substances not identified with an asterisk in the column of the numerical code of the additive will not be counted as ingredients of farm origin.

7. One may only use additives, processing aids, flavoring agents, water, salt, preparation of microorganisms, enzymes, and other micronutrients in the food products for specific nutritional uses if they have been authorized for their use in organic production. In case of using enzymes that are used as additives, they may be only the ones listed in Annex VIII.

8. One must have adopted adequate cleaning measures. Their efficiency must have been proven before the storage of organic products. Operators must record these operations.

Operations will be carried out in organic products only after having thoroughly cleaned the production equipment. Adequate cleaning measures will be applied. Their efficacy will be overseen and a record will be kept of such operations.

9. The products and substances that can be used for the following tasks will be authorized for use in the production - transformation of organic food and will include them in a list authorized by current legislation in Colombia and according to Annexes VIII and IX:

a. As non-organic raw materials of plant origin and raw materials of animal and mineral origin;

b. As additives for processing and technological aids;

c. Additives and adjuvants can be used only if they come from natural sources and not from synthetic sources, such as:

- Binders, anti-compacting agents, emulsifiers, stabilizers, thickeners, surfactants, coagulants;
- Antioxidants;
- Preservers;
- Coloring, flavoring and appetite stimulating agents;
- Pro biotic.

d. In the list of ingredients expressed in the labeling of the product, it must be indicated that the ingredients are organic, when they are in accordance with this standard EPB BT 001-1997, and references to the organic method of production may only appear in relation to the ingredients Organic and the ingredient list must include an indication

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of the total percentage of organic ingredients in relation to the total amount of ingredients of agricultural origin. The terms and the indication of the percentage referred to in the preceding paragraph must appear in the same color and with a size and a typographic style identical to that of the other indications in the list of ingredients.

#### **Article 41. 1. General requirements.**

Every Operator applying for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.

Every Operator must describe in detail the production and processing plan (procedure manual), which must be updated each year with additional information and changes in the production system, establishments and quantities of manufactured products.

No substances or techniques will be used that reconstitute properties that have been lost in the transformation and storage of organic food, that correct the consequences of negligent action when transforming these products or that may otherwise mislead the true nature of the product. .

1. At the beginning of the application of the evaluation regime specifically applicable to the processing plant and the product quality assurance system and the relevant health records, the full description must also include:

a) The Operator must present a system that guarantees the physical separation measures, in time and documentary, if it has parallel elaboration or processing.

b) When an operator manages several production units on the same surface, the units dedicated to non-organic products, together with the storage rooms for the inputs, should also be subject to the minimum control requirements.

c) The handling and transformation of ecological (organic) foods must maintain the safety, quality and integrity of the product and must be carried out separately in time and / or space from the transformation of uncertified products.

d) Products and facilities must comply with the provisions of NTC / ISO 22000 or Resolution 2674/2013 (Colombia), which regulates the activities of food manufacturing, processing, preparation, packaging, storage, transportation, distribution and marketing in Colombia and its exports

e) Products of plant origin must comply with the production, processing, transportation, storage and marketing of vegetables such as processed fruits and vegetables.

f) For the storage of the products, the necessary measures must be taken to guarantee the identification of the batches, as well as the products, to avoid mixtures or exchanges with non-organic products. Ecological (organic) products must be clearly identifiable at all times, as well as when they are arranged in batches.

g) it will store organic products, before and after operations, physically or in time separated from non-organic products;

h) In the case of operators that do not physically store or handle said organic products, a stock register and a financial record must be maintained in the unit or premises, allowing the identification and verification of the nature and quantities of organic products that are have bought and sold, and suppliers, and if different, sellers or exporters, and buyers, and if not, the recipients. "Processed organic (organic) foods may contain a maximum of five percent ( 5%) of ingredients of plant and / or animal origin that are not certified, but which are indicated in Annex VIII and / or in Annex IX of this Standard.

i) In a food declared organic, it is not allowed to mix the same organic ingredient with one that is not certified.

j) In products where the participation of organic raw material does not reach the limits established to obtain the designation of organic, only the designation made with ecological (organic) products can be incorporated.

k) When an organic product is not made 100% from organic raw materials, in the list of ingredients described on the labeling, just next to said raw material, clarification is made using the word "conventional"

l) Drinking water and salt added as ingredients are not used to calculate the maximum percentage established.

m) The food or its ingredients must not include synthetic chemicals, or pesticides, sulphites, nitrates or nitrites.

n) The food does not contain synthetic colors, preservatives or flavors.

o) Drinking water must be used in the processing system.

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p) For the cleaning and disinfection of premises, facilities, machinery and equipment used in the production, processing, storage, transport, distribution and marketing of ecological (organic) products, only the products detailed in Annex VII of this Standard may be used. .

q) adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; operators must record these operations.

r) The food or its ingredients, during the manufacturing process, are not subjected to ionizing radiation treatments.

s) The operator must implement a traceability system on the transformation process.

t) Live genetically modified organisms or their derivatives cannot be used.

PARAGRAPH 1. The percentage of 5% is validity until 31 December 2018, date on which defines the removal or reduction of the percentage allowed.

PARAGRAPH: 2. To calculate the percentage of ingredients, the total net weight (excluding water and salt) of the ecological (organic) ingredients incorporated must be divided by the total weight (excluding water and salt) of the final product.

a) For liquid ingredients, it must be divided in fluid volume of the incorporated organic ingredients (excluding salt and water) by the fluid volume of the final product.

b) For foods that contain ingredients in liquid and solid form, divide the combined weight of solid ingredients, and the weight of liquids (excluding salt and water) by the total weight (excluding salt and water) of the final product. For ingredients in solution, the density must be reported in the records.

PARAGRAPH: 3. Operators must ensure that ecological (organic) products are transported to other units, including wholesalers and retailers, only in suitable, closed containers or vehicles in such a way that it is impossible to replace their content, and that they are provided with a label that also mentions the indications provided by regulatory provisions, the following information:

- The name and address of the operator and the owner or seller of the product;
- The name or numerical code of the BIOTROPIC Certifier or control authority on which the operator depends, as well as the name and destination location of the organic product.

PARAGRAPH: 4. All inspection checklists must be signed by the operator responsible for the production unit and by the inspector assigned by the BIOTROPIC Certifier. At the end of the closing meeting, the BIOTROPICO Inspector must deliver a copy of the completed checklist to the Operator or person in charge of the Program considered to Certify.

#### **ARTICLE 41.2. Measures in case of suspicion of infringement or irregularities**

In the event that an operator considers or suspects that a product which he has produced, prepared, imported or received from other operators does not comply with the rules on organic production, he shall initiate procedures either to withdraw from this product any reference to the organic production method or to separate and identify the product. Only what you can send to your processing or packaging or commercialized after elimination of that doubt, unless your marketing is carried out without any indication referring to the organic production method.

- In the event of such doubts, the operator shall immediately inform BIOTROPICO. BIOTROPICO or control of BIOTROPICO may require that the product cannot be placed on the market with indications referring to the organic production method until satisfaction, by the information obtained from the operator or from other sources, that the doubt has been eliminated.

#### **ARTICLE 42. PRODUCTION FOR ANIMAL FEED AND FOOD FROM ANIMALS TRANSFORMED WITH THE NAME "ORGANIC"**

Operators producing feed or processed food will establish and update the relevant procedures based on a systematic identification of critical transformation steps.

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Operators must ensure that non-organic products are not marketed bearing an indication referring to the organic production method.

All products and facilities must comply with the laws and decrees issued in Colombia territories, which regulates the activities of production, enlistment, packaging, storage, transport, distribution, marketing of food and food supplements for animals in the national territory. , its export and import.

Every Operator applying for a Certification of products for animal feed must submit a service request - describing the background of the program and the requirements of the scope of the certification.

At the beginning of the application of the specifically applicable evaluation regime, the complete description must include:

1. Parallel preparation or processing of animal feed is permitted only when the operator is able to demonstrate to BIOTROPICO documentary evidence of the separation of conventional and ecological activities.

2. The responsible operator must show the supporting documents of his suppliers that the raw materials and ingredients have the ecological denomination or are allowed (valid certificates),

3. You must immediately inform the control authority or authorities or BIOTROPICO of any irregularity or infraction that affects the ecological character of your product or the ecological (organic) products that you receive from other operators or subcontractors.

4. Additives, processing aids and other substances and ingredients used for food processing and all processing practices used, must respect the principles of organic production and good manufacturing practice.

5. Operators producing animal feed or processed animal feed establish and update the relevant procedures based on a systematic identification of critical transformation stages.

6. The application of the procedures guarantees at all times that the processed products produced comply with the ecological production standards established especially in the annexes for permitted products.

7. Operators must comply with and apply the procedures specifically:

a) Adopt precautionary measures to avoid the risk of contamination caused by substances or products without authorization;

b) adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; operators must record these operations.

c) They guarantee that products are not marketed without certifying that they bear an indication that refers to the organic production method.

8. The products and substances that can be used for the following tasks will be authorized for use in the production of organic food and will include them on a restricted list (Annex V):

a) as non-organic raw materials of plant origin and raw materials of animal and mineral origin for feed and certain substances used in animal nutrition;

b) as additives for animal feed and technological aids;

c) Additives and adjuvants can be used in animal feed only if they come from natural sources and not from synthetic sources, such as:

- Binders, anti-compacting agents, emulsifiers, stabilizers, thickeners, surfactants, coagulants;
- Antioxidants;
- Preservers;
- Coloring, flavoring, appetite stimulating agents;
- Probiotics.

9. The use of chemically synthesized allopathic veterinary drugs or antibiotics in preventive treatments is prohibited. The operator will check the supporting documents of its suppliers.

10. For the storage of the products, the zones must be managed in such a way that the identification of the lots is guaranteed and any mixing or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.

PARAGRAPH: When applicable, the use of a limited proportion of non-ecological (organic) protein feed will be authorized, if the farmers demonstrate that:

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- i) have been produced or prepared without chemical solvents, and
- ii) its use is limited to 1% of the feed ration of a given species, calculated annually as a percentage of the dry matter of feed of agricultural origin.

In addition to the established provisions, when uncertified products are also prepared or stored in the preparation unit in question, the operator:

- a) It carries out operations continuously in complete series, physically separated or at the time of similar operations carried out with uncertified products;
- b) Stores the ecological (organic) products, before and after the operations, physically or in time separated from the uncertified products;
- c) Inform the BIOTROPICO Certification and have an updated record of all the operations and quantities processed available;
- d) Take the necessary measures to guarantee batch identification and avoid mixing or exchanging with uncertified products;
- e) Carry out operations on ecological (organic) products only after properly cleaning the production equipment.

#### **ARTICLE 42.1. Measures in case of suspicion of infringement or irregularity.**

In the event that an operator considers or suspects that a product that he has produced, prepared, imported or received from another operator does not comply with the rules regarding the production of organic animal feed, he will initiate procedures to remove any reference to the method from said product of ecological production, well to separate and identify the product. You can only send it for processing or packaging or market it after having dispelled that doubt, unless its marketing is done without any indication of reference to the organic production method.

- In case of such doubts, the operator will immediately inform BIOTROPICO. BIOTROPICO or the control of BIOTROPICO may require that the product cannot be placed on the market with indications referring to the organic production method until it is satisfied, by the information obtained from the operator or from other sources, that the doubt has been eliminated

#### **ARTICLE 43. PROVISIONS WHEN TRANSPORTING ANIMAL FEED**

At other production or preparation units or storage premises, operators shall ensure that the following conditions are met:

- (a) That ecologically produced animal feed, animal feed in conversion and non-organic (organic) animal feed are physically separated during transport;
- b) That vehicles or containers in which non-ecological products have been transported can be used to transport ecological products if:
  - i. Before carrying out the transport of ecological products, an appropriate cleaning has been carried out whose effectiveness has been controlled; operators must record these operations,
  - ii. All appropriate measures are applied based on the risks assessed in accordance and, where appropriate, operators ensure that non-organic products cannot be marketed with an indication referring to the organic production method,
  - iii. The operator maintains documentary records of said transport operations at the disposal of BIOTROPICO or the control authority;
  - iv. The transport of finished organic animal food is physically or temporarily separated from the transport of other finished products;
  - v. During transport, the initial quantities of products and each individual quantity supplied are recorded in each delivery made throughout the distribution.

#### **ARTICLE 44. PROCESSING INDUSTRIES**

Every Operator applying for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.

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Establishments where ecological (organic) agricultural products are industrialized must comply with the requirements established in the NTC / ISO 22000 or Resolution 2674/2013 (Colombia). Likewise, contamination of the facilities should be avoided and disinfection should be carried out with techniques and products in accordance with Annex VII of this Standard.

In his case, the description and the contemplated measures can be part of a quality system established by the company - Processing industry.

Operations on organic products will only be carried out after the production equipment has been properly cleaned.

#### ARTICLE 45. MINIMUM REQUIREMENTS OF CONTROL

**Control provisions and operator commitment:** In the case of a unit dedicated to the preparation on its own account or on behalf of a third party, including in particular the units dedicated to the packaging and / or repackaging of said products or the units dedicated to labeling and / or re-labeling of said products, the complete description of the unit must indicate the facilities used for the reception, transformation, packaging, labeling and storage of agricultural products before and after the operations to which they are subjected, as well as the procedures applied to the transport of the products.

1. When the control provisions begin to apply, the operator prepares and subsequently maintains:

a) A production plan or procedures manual that includes a complete description of the unit, the premises and their activity;

b) All the concrete measures that must be adopted in the unit, premises and activity to guarantee compliance with organic production standards;

c) Adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; operators must record these operations.

d) the precautionary measures that must be adopted to reduce the risk of contamination by products or substances without authorization and the cleaning measures that must be adopted in storage places and throughout the operator's production chain. Where appropriate, the description and the measures considered may form part of a quality system established by the operator.

e) The operator will check the supporting documents of its suppliers (valid certificates).

f) For the storage of the products, the zones must be managed in such a way that the identification of the lots is guaranteed and any mixture or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.

g) When an operator manages several production units on the same surface, the units dedicated to non-organic (organic) products, together with the storage rooms for the inputs, should also be subject to the minimum control requirements.

2. The description and the measures are included in a declaration, signed by the responsible operator. This statement must also mention the commitment made by the operator of:

a) You must promptly inform the control authority or authorities or BIOTROPICO of any irregularity or infraction that affects the ecological character of your product or the ecological (organic) products that you receive from other operators or subcontractors.

b) Carry out operations in accordance with the rules of organic production;

c) Accept, in case of infringement or irregularities, the forced application of the measures of the organic production rules;

d) Undertake to inform the purchasers of the product in writing in order to ensure that the indications regarding the organic production method are removed from said production. The contemplated declaration is verified by the BIOTROPICO Certifier, which issues a report that identifies possible deficiencies and non-compliance with organic production standards. The operator also signs this report and takes the appropriate corrective measures.

3. The operator notifies the competent authority of the following information:

a) The name and address of the operator;

b) The location of the premises and, where appropriate, the plots (cadastral data) where the operations are carried out;

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c) The nature of operations and products;  
d) The commitment by the operator to carry out the operations in accordance with the provisions established in this Standard;

e) The name of the BIOTROPICO Certifier, to which the operator has entrusted control of its exploitation, when the competent authority in question applies the control regime through the authorization of said bodies.

The BIOTROPICO Certifier records the history of each of the production units through an inspection or report, signed by the acting inspector and the person responsible for production or processing. The report must include as a minimum:

- Name of the establishment and personal data of the person in charge.
- Location, floor plan and its facilities.
- Products or lines to be certified, diagram of the manufacturing process with variables and raw materials used, description of the process.
- List of ingredients used in the process and their origin, as well as any other substance that intervenes in the manufacturing process.
- Cleaning and sanitary control program for equipment, machines, transport elements and tanks in order to avoid contamination.
- Analysis and quality controls.
- Documented information that guarantees that the producer can carry out traceability actions.
- The plant must have a sanitary concept issued by the competent authority.

PARAGRAPH: 1. Once the control regime is applied in the productive units, the operator, together with the BIOTROPICO Certifier, must include in the report the corrective measures to guarantee compliance with the provisions of this Standard.

PARAGRAPH: 2. All Inspection Checklists must be signed by the operator responsible for the production unit and by the inspector assigned by the BIOTROPICO Certifier. At the end of the closing meeting, the BIOTROPICO Inspector must deliver a copy of the completed checklist to the Operator or person in charge of the Program considered to Certify.

#### ARTICLE 45.1. Control measures

**In relation to the operations that have been subcontracted with third parties**, the operator will prepare and subsequently maintain the list of the subcontractors, with a description of their activities and of the control agencies or authorities on which they depend and will verify the existence of:

a) A production plan or a procedures manual that includes a complete description of the unit, the premises and their activity. The management and production plan or the procedures manual must include as a minimum:

- Name of the establishment and personal data of the person in charge.
- Location, plots, floor plan and facilities.
- Products or lines to be certified, diagram of the manufacturing process with variables and inputs and raw materials used, description of the process.
- List of ingredients used in production and their origin, as well as any other substance that intervenes in the manufacturing process.
- Cleaning and sanitary control program for equipment, machines, transport elements and tanks in order to avoid contamination.
- Analysis and quality controls.
- Documented information that guarantees that the producer can carry out traceability actions.

b) The written consent of the subcontractors so that their exploitation is subject to the control regime established by BIOTROPICO;

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c) All concrete measures, including an adequate documented accounting system, that will be adopted in the unit to guarantee that the products marketed by the operator can be traced to, as appropriate, its suppliers, sellers, recipients and buyers.

## CHAPTER VII. LABELING

### ARTICLE 46. LABELING

The EU logo (R. 834/2007) of organic production may be used in the labeling, presentation and advertising of products that meet the requirements established in this standard.

□ The indications mentioned in Article 2 shall be prominently displayed, so that they are easily visible, clearly legible and indelible. Packaged and prepackaged products covered under this Standard, must bear the following legends printed in a visible place.

a) The mention "Ecological Product".

b) The logo of the "Organic Food" Seal, regulated, CE logo for the case of Europe and third countries (Article 57, Chapter 1, Title III of R. 889/2008 CE.

Conditions applicable to the use of the numerical code and the place of origin

1. The indication of the numerical code of the authority or control body mentioned in Article 24 (1) (a) of Regulation (EC) No 834/2007:

a) begin with the acronym that identifies the country of origin or third country, in accordance with the international standard ISO 3166 for two-letter country codes (codes for the representation of names of countries and their subdivisions);

b) include a term that establishes a link with the organic production method, in accordance with the provisions of Article 23 (1) of Regulation (EC) No 834/2007;

c) include a reference number to be decided by the competent authority, and

d) it will be placed immediately below the community logo if it is used in the labeling.

2. The indication of the place where the agricultural raw materials of which the product is made have been produced, as mentioned in Article 24 (1) (c) of Regulation (EC) No 834/2007, will be located immediately below the numerical code mentioned in section 1.

Regarding processed foods, the terms referred to in section 1 may be used:

\*) In the sales denomination, provided that:

i) processed foods comply with the provisions of this Standard

ii) at least 95%, expressed by weight, of the ingredients of agricultural origin are organic;

\*) Only in the list of ingredients (annexes VIII and IX), provided that the food complies with the provisions of this standard.

\*) In the list of ingredients (Annexes VIII and IX) and in the same visual field as the sales name, provided that:

i) the main ingredient is a product of hunting or fishing,

ii) contains other ingredients of agricultural origin that are entirely organic,

iii) food complies with the provisions of this standard

The ingredients list must indicate which ingredients are organic.

When letters b) and c) of this section apply, references to the organic production method may only appear in relation to organic ingredients and the list of ingredients must include an indication of the total percentage of organic ingredients in relation to the quantity total ingredients of agricultural origin.

The terms and the indication of the percentage referred to in the preceding paragraph must appear in the same color and with a size and a typographic style identical to that of the other indications in the list of ingredients.

c) The identification of the BIOTROPICO Certifier, authorized by the Ministry of Agriculture and Accredited (ISO / IEC 17065: 2012) by ONAC, in the case of Colombia and International Accreditation by IOAS, the competent body, using the code assigned by the European Commission .

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d) When the logo is used in accordance with R. 834/2007 CE, the indication of the place where the agricultural raw materials of which the product is made have been obtained must also appear in the same visual field as the logo and will adopt a in the following ways, as appropriate:

- i The indication of the place where the agricultural raw materials of which the product is made have been produced, will be located immediately below the numerical code of BIOTROPICO.
- ii "Non-EU agriculture", when agricultural raw materials have been obtained in third countries,
- iii The mention "non-EU" may be replaced by the name of a country or supplemented with that name in the event that all the agricultural raw materials of which the product is composed have been obtained in Colombia.
- iv In the aforementioned "non-EU" indication, small amounts by weight of ingredients may not be taken into account, as long as the total amount of the ingredients that are not taken into account does not exceed 2% of the total amount by weight of materials. agricultural premiums.
- v The aforementioned "non-EU" indication shall not appear in a color, size or typographic style that stands out above the product's sales name.
- vi The use of the CE logo will be optional for products imported from third countries. However, when the CE logo appears on the labeling, the indication must also appear on the labeling, it must be taken into account that products imported from third countries may be marketed on the Community market labeled as organic provided that all operators, including exporters, have been subject to the control of the BIOTROPICO Certifier and that it must be recognized to carry out evaluations and issue the supporting documents referred to in paragraph 1, letter c) of article 32, in the territory of Colombia.

PARAGRAPH: 1. Products in the period of conversion to organic production may bear the mention of "Ecological Agricultural Product in Conversion": In no case can CE Labels or logos of ecological or organic certification schemes be used).

Only if at the discretion of the BIOTROPICO Certifier, they have complied with the provisions of this Standard during the times established from the enrollment in the certification program (a conversion period of at least 12 months before harvest has been respected - but in no case Labels be used CE nor the logos of the ecological or organic certification schemes).

- Comply with the provisions regarding the conversion period.
- Do not mislead the buyer of the product, about the difference in nature between this product and those that meet all the requirements to be considered as "ecological (organic) products".
- The product contains a single vegetable ingredient of agricultural origin
- The indication is linked to the numerical code of the authority or control body.
- The label "Produced in conversion to organic farming" will appear on the label of these products in a size, font color and background that are visible in a normal field of vision by a person with normal vision.

In addition, no terms will be used, including terms used in trademarks, or practices used in labeling or advertising that may mislead the consumer or user by suggesting that a product or its ingredients meet the requirements set forth in the this Standard.

PARAGRAPH: 2. The additional information accompanying the labeling must follow the established procedure that is required at the international level in accordance with the destination of the products.

- The indication of the numerical code of the control authority or body, will begin with the acronym that identifies the Member State or third country, in accordance with the international standard ISO 3166 for the two-letter country codes (codes for the representation of names of countries and their subdivisions); will include a term that establish a link with the organic production method, in accordance with Annex XI, part B (2), of Regulation 889/2008 EC; It will include a reference number to be decided by the Commission or the competent authorities of the Member States, in accordance with this standard, and will be placed in the same field of vision as the EU organic logo if it is used on labeling.

#### ARTICLE 46.1. LABELING - Animal Feed

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Use of terms referring to organic production

1. For the purposes of this Standard, a product shall be considered to include terms that refer to the organic production method when, in the labeling, advertising or commercial documents, the product, its ingredients or raw materials for animal feed are described in terms that suggest to the buyer that the product, its ingredients or raw materials for animal feed have been obtained in accordance with the standards established in this Standard. In particular, the terms, their derivatives or abbreviations, such as "bio" and "eco", used alone or in combination, may be used in any language for the labeling and advertising of a product when it meets the requirements established in this Standard. .

In the labeling and advertising of any live or unprocessed agricultural product, they may only use terms that refer to the organic production method when, in addition, all the ingredients of the product have been produced in accordance with the requirements of this Standard.

2. Regarding processed food, the terms may be used:

a) in the sales denomination, provided that:

i) processed foods comply with the provisions of article 42,

ii) at least 95%, expressed by weight, of the ingredients of agricultural origin are organic;

b) only in the list of ingredients, provided that the food complies with the provisions of article 42, section 8

c) in the list of ingredients and in the same visual field as the sales name, provided that:

i) the main ingredient is a product of hunting or fishing,

ii) contains other ingredients of agricultural origin that are entirely organic,

iii) the food complies with the provisions of article 42, section 8

The ingredients list must indicate which ingredients are organic.

Where references to the organic production method apply, they may only appear in relation to organic ingredients and the list of ingredients should include an indication of the total percentage of organic ingredients in relation to the total amount of ingredients of agricultural origin.

PARAGRAPH: The terms and the indication of the percentage referred to in the previous numeral must appear in the same color and with a size and a typographic style identical to that of the other indications in the list of ingredients.

#### ARTICLE 47. REFERENCE TO THE METHOD OF ORGANIC PRODUCTION AND CONTROL MEASURES

Producers are authorized to refer to the ecological, biological or organic production method, provided they comply with the provisions of this Standard and have a Certification issued by BIOTROPICO.

The BIOTROPICO Certifier carries out, at least once a year, a complete physical control of all operators and must offer adequate guarantees of objectivity and impartiality, and have qualified personnel and the necessary resources to carry out its functions.

1. The BIOTROPICO Certifier can take samples for the detection of non-compliant products in organic production or to check if production techniques non-compliant with organic production standards have been used. You can also take samples that will be analyzed to detect possible contamination of products without authorization in organic production. However, such analyzes should be carried out when there is a presumption that non-compliant products have been used. After each visit a control report must be drawn up which is also signed by the unit operator or his representative.

2. The BIOTROPICO Certifier carries out random control visits, primarily without prior notice, based on a general assessment of the risk of non-compliance with organic production standards, taking into account at least the results of previous controls, the quantity of products affected and the risk of product substitution.

3. The responsible operator must show the supporting documents of his suppliers that the raw materials and ingredients have the ecological denomination or are allowed (valid certificates),

4. You must immediately inform the control authority or authorities or BIOTROPICO of any irregularity or infraction that affects the ecological character of your product or the ecological (organic) products that you receive from other operators or subcontractors.

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5. The Director of Certification issues the Decision to Certify and / or sanction and / or withdraw or confirm in transition the proposed operation, based on the information gathered during the evaluation process in accordance with this Standard, taking into account the Sanctions and Improvement Actions. The operator receives the result of the control process of its program (certification decision) and must approve these documents.

Note: The BIOTROPICO S.A.S. through the Director of Certification, maintains the authority to grant, maintain, extend, suspend or withdraw the certification. In the absence of the Certification Director, the Certification Decision and the Certificates are signed by the Manager as a member of the Internal Certification Committee.

6. In the event that an annual or unannounced evaluation proves a deviation or nonconformity with prolonged effects, the BIOTROPICO Certifier immediately prohibits the operator in question from marketing products with reference to the ecological production method in labeling and advertising during a period to be determined in accordance with this Standard and the competent authority.

7. Disapproval of the certification decision. If the operator disapproves the documentation received, it must formally issue its disagreement with the proper justification and evidence, for which it sends an appeal letter. The time to carry out this procedure is 10 business days after receiving the Certification Decision.

8. The appeal is resolved taking into account the information of the control visit, the explanations of the Auditor / Inspector, the requirements of this Standard, and the arguments and evidence presented by the operator, among other complementary documents. The time to resolve the appeal is 10 business days after receiving the Letter of Appeal. Once the appeal is resolved, a letter is sent to the operator informing the decision made, of which one copy goes to the operator's file and another to the appeals file.

If the certification is reinstated after the suspension, the BIOTROPICO Certifier will make all necessary modifications to formal certification documents, public information, authorizations for the use of trademarks, etc., to ensure that all appropriate indications exist that the product continues to be certificate. If a decision to reduce the scope of the certification is made as a condition of reinstatement, the BIOTROPICO Certifier will make all necessary modifications to the formal certification documents, public information, authorization for the use of trademarks, etc., to ensure that the Reduced scope of certification is clearly communicated to the client and clearly specified in certification documents and public information.

PARAGRAPH: In accordance with the certification decision. If the operator approves the documentation of the evaluation process, signs and sends the signed pages of the documents to the BIOTROPICO Certifier, this documentation is considered approved and is filed in the operator's file.

If it is in accordance with this Standard, the Director of Certification issues the Certificate of Conformity in accordance with the provisions of the contract signed by the BIOTROPICO Certifier and the OPERATOR, under the condition of compliance with the improvement actions stipulated in the Certification Decision.

These procedures authorize producers to refer to the ecological, biological or organic production method.

## CHAPTER VIII. PACKAGING, CANNING, BOTTLING, AND TRANSPORT

### ARTICLE 48. GENERAL CONDITIONS

The packaging for Ecological Agricultural Products (organic), both primary and processed, will take into account the following specifications:

- Packaging and / or containers should preferably be made of biodegradable, recyclable materials and materials that do not pollute the environment.
- If the products are distributed at retail in conventional supermarkets, they must be properly packed or packaged from the production or processing site, located apart from the non-organic farming and be labeled in accordance with the provisions of this Standard.
- If the products are intended for wholesale, they must be properly packed or packaged from the production or processing site, located apart from the non-organic farming and be properly labeled in accordance with the provisions of this Standard.

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d) Products can be packed under the following conditions: controlled atmosphere, modified atmosphere, cooling, freezing, drying, humidity regulation.

#### **ARTICLE 48.1. Packaging and transportation of products to units or other operators.**

1. Operators shall ensure that organic products are transported to other units, including wholesalers and retailers, only in suitable, closed containers, or vehicles so that it is impossible to replace their content without tampering or deterioration of the seal, and that they are provided with a label in which, in addition to all the other indications provided by the regulatory provisions, the following information is mentioned:

- a) the name and address of the operator and, if different, of the owner or seller of the product;
- b) the name of the product or a description of the compound feed accompanied by a reference to the organic production method;
- c) the name or the numerical code of the control body or authority on which the operator depends, as well as
- d) if applicable, the batch identification mark, in accordance with a nationally regulated marking system or agreed with BIOTROPICO that allows the batch to be linked to accounting.

2. The closing of containers, or vehicles will not be required when:

- a) the transport is carried out directly between one operator and another operator and both are subject to the ecological control system, and
- b) the products are accompanied by a document that collects all the required information
- c) both the sending and the receiving operator maintain documentary records of such transport operations at the disposal of BIOTROPICO of said transport operations.

3. A stock register and a financial record must be kept in the unit or premises so that the operator and the control body or authority, respectively, can identify and verify: the supplier, the nature and the quantities of organic products that The quantities of organic products stored and the recipients have been supplied to the unit.

### **CHAPTER IX. STORAGE AND TRANSPORT**

#### **ARTICLE 49. GENERAL CONDITIONS**

When storing or transporting ecological (organic) and conventional products, the necessary measures must be taken to avoid mixing them.

- a) To prevent any type of contamination by internal or external agents inherent to the means of transport or storage space, the necessary measures are taken to guarantee their preservation and avoid their contamination.
- b) Pesticide treatments in warehouses and means of transport that are used for ecological (organic) products should be avoided.

c) The packaging must comply with the provisions of article 50 of this Standard.

d) The products and substances that can be used in organic production for the following tasks will be authorized for use in the packaging and transport of organic production and will include them in a restricted list:

\*. As cleaning and disinfection products for premises, facilities and vehicles used for plant and animal production, transformation, including storage, packaging and transport in a Certified holding.

\*. Appropriate cleaning measures, the effectiveness of which must have been proven, must have been adopted before the storage and / or transport of ecological (organic) products; operators must record these operations.

\*. For the storage of the products, the areas must be managed in such a way that the identification of the lots is guaranteed and any mixing or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.

\*. In the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this standard is prohibited.

#### **ARTICLE 50. CONTROL OF INSECTS (harmful organisms) IN STOREHOUSE**

Control of harmful organisms (insects, mite fungi, pathogens) is applicable to all areas of the establishment, raw material reception, warehouse, process, finished product warehouse, distribution, point of sale, and even haulage

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and delivery vehicles. Each establishment should have a system and plan for the control of harmful organisms (insects, mite fungi, pathogens). Establishments and surrounding areas should be inspected periodically to ensure that there is no infestation.

a) For the management of harmful organisms (insects, mite fungi, pathogens) the following measures should be applied, in order of preference:

b) The primary system to combat insects, mite fungi, pathogens must consist of preventive methods, such as the disturbance and elimination of the habitat of harmful organisms and their access to facilities.

c) If preventive methods are insufficient, mechanical / physical and biological methods are chosen first to combat harmful organisms.

d) Harmful organisms (insects, mite fungi, pathogens) in the crop should be avoided using integrated management of harmful organisms and in the warehouse through Good Manufacturing Practices. Control measures against insects, fungi, mites, pathogens and applied within storage areas can include physical barriers and other treatments such as the use of sound, ultrasound, light, ultraviolet light, traps (from pheromones and static baits), temperature controlled and controlled atmosphere.

e) To control insects, fungi, mites and pathogens in storage, it is allowed to use the inputs of Annex II and VII of this Standard.

f) The materials used to pack ecological (organic) food products must be free of fungicides, preservatives, fumigants, insecticides and any other contaminants.

PARAGRAPH: The Operator must establish a permanent and independent documented rodent control program.

## CHAPTER X. COMMERCIALIZATION AND CONTROL MEASURES

### ARTICLE 51. COMMERCIALIZATION AND/OR EXPORT OF ORGANIC FARM PRODUCTS

All agricultural products that are marketed under the name of "Ecological Agricultural Product" with this Standard must be certified by the BIOTROPIC Certifier accredited by ONAC and by IOAS (ISO / IEC 17065: 2012 Standard). In addition to this, they must comply with the requirements established in this Chapter.

Any company that markets, stores, exports or packages agricultural products under the name of "organic product" or "product in conversion to organic" must allow access by personnel authorized by the Surveillance and Control Institutions (Ministry of Agriculture and members of the UE) and the ONAC and / or IOAS accreditation entities and the BIOTROPICO Certifier, to carry out the necessary supervisions and comply with the technical recommendations that may be applicable.

1. A stock register and a financial record must be kept in the unit or premises so that the operator and the BIOTROPICO Certifier, or the control authority, can respectively identify and verify:

to. To the supplier and, if different, to the seller or exporter of the products

b. The nature and quantities of ecological (organic) products that have been supplied to the unit and, if applicable, of all the materials purchased, as well as the use that has been made of them, and, where appropriate, the formulation of the compound foods;

c. The nature and quantities of ecological (organic) products stored on the premises for commercialization and / or export;

d. The nature, the quantities and the recipients, as well as, if different, the buyers, exporters, except the final consumers, of all the products that have left the unit or the premises or storage facilities of the first recipient;

2. Documented accounting must also include the results of the verification at the time of receipt of the ecological (organic) products and any other information requested by the BIOTROPICO Certifier, or the control authority for the purposes of an adequate verification. The accounting data must be documented using the relevant supporting documents. The accounts must demonstrate the balance between inputs and outputs.

3. When an operator manages several production units on the same surface, the units dedicated to non-certified products, together with the storage rooms for the inputs, must also be subject to the minimum control requirements.

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4. When receiving an organic product, the operator must check the closure of the container or container whenever necessary and the presence of indications to identify and check in the case of operators who do not physically store or manipulate organic (organic) products. , the nature and quantities of organic (organic) products that have been bought and sold, and the suppliers, as well as, if different, the sellers or exporters and the buyers, and, if different, the recipients. The results of this verification will be registered to be reviewed by the BIOTROPIC Certifier.

5. The operator must check the supporting documents of its suppliers.

6. Genetically Modified Organisms (GMOs) and products obtained from or through GMOs such as food, feed, technological aids, plant protection products, fertilizers, soil conditioners, seeds, may not be used in any marketing system for organic (organic) products. vegetative reproductive material, microorganisms or animals.

7. Operators who use non-organic products in these categories by purchasing them from third parties will require the seller to confirm that the products supplied have not been obtained from or through GMOs.

8. All products to be exported must be accompanied by the Control Certificate issued by the BIOTROPIC Certifier.

PARAGRAPH 1: Supporting documents - The BIOTROPICO Certifier will provide supporting documents to any operator that is subject to its controls and that in the scope of its activity meets the requirements set forth in this standard. The supporting documents will allow, at least, the identification of the operator and the type or series of products, as well as the period of validity.

PARAGRAPH 2: In accordance with Action 12 of the Action Plan for the Future of Organic Production in the European Union, the Commission has developed an electronic certification system for imports of organic products, as an integrated module within the Expert System of Electronic Commerce Control (TRACES), established by Commission Decision 2003/24 / EC.

**ARTICLE 51.1. Measures in case of suspicion, infraction or irregularities.** In the event that a Marketer considers or suspects that a product that he has imported or received from another operator does not comply with the rules related to organic production, he will initiate procedures to remove any reference to the organic production method from said product, or to separate and identify the product. You can only send it for processing or packaging or market it after having dispelled that doubt, unless its marketing is done without any indication of reference to the organic production method.

- In case of such doubts, the operator will immediately inform BIOTROPICO. BIOTROPICO or the control of BIOTROPICO may demand that the product cannot be placed on the market with indications regarding the organic production method until it is satisfied, by the information obtained from the operator or from other sources, that the doubt has been eliminated.

## **ARTICLE 52. COMMERCIALIZATION OF PRODUCTS IN CONVERSION**

Operators who wish to market their products under the name of product in conversion to organic must be supported by a notification of "Product in Conversion to Organic" issued by the BIOTROPICO Certifier.

The Operator must have submitted a conversion plan to ecological (organic) production that includes all perennial species and / or all existing areas within a maximum period of five (5) years, and ensure that organic production standards are applied in that period.

## **ARTICLE 53. HANDLING OF PRODUCT**

The Operator who is engaged in the commercialization of these certified products and who performs washing, classification, packaging, and storage functions, must carry out these activities, completely separate from the products obtained through the conventional production system.

- For the storage of the products, the zones must be managed in such a way that the identification of the lots is guaranteed and any mixing or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic products must be clearly identifiable at all times.

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#### ARTICLE 54. LOCATION OF PRODUCTS

The marketer must have an exclusive site for the location of organic products at the point of sale. Products in conversion must be located in such a way that there is a clear separation between products that are in conversion and those that are ecological (organic).

#### ARTICLE 55. LABORATORY TESTS

If the BIOTROPICO Certifier, or the producer, presumes risks of contamination originated in applications or residuality of chemical synthesis products throughout the production system, they must carry out the respective verifications in laboratories that have the tests accredited before the competent authorities and international recognition. In the absence of accredited evidence, the certification body must ensure the quality of the providers of these services.

### CHAPTER XI. REQUIREMENTS FOR THE IMPORT OF PRODUCTS WITH ORGANIC DENOMINATION

#### ARTICLE 56. IMPORT OF PRODUCTS WITH ORGANIC DENOMINATION

To import ecological (organic) agricultural products to Colombia, the following requirements must be taken into account:

1. The complete description of the unit must include the importer's premises and import activities, indicating the entry points of the products to the country; and any other facility that the importer is going to use for the storage of the imported products pending their delivery to the first recipient. In addition, it must include a commitment from the importer that guarantees that all the facilities that the importer will use to store the products are subject to a control that is carried out by the BIOTROPICO Certifier or the control authority.
2. In the case of the first recipient, the complete description of the unit must indicate the facilities used for reception and storage.
3. When the importer and the first consignee are the same legal entity and carry out their operations in a single unit, the reports can be combined into a single report.
4. The competent authority or the BIOTROPICO Certifier, in Colombia, must issue a control certificate indicating that the batch registered in the certificate has been obtained within the framework of a production, elaboration, labeling and inspection system in accordance with this Standard.
5. Documented accounting that must also include the results of the verification at the time of receipt of the organic products and any other information requested by the control body or authority for the purposes of adequate verification. The accounting data must be documented using the relevant supporting documents. The accounts must demonstrate the balance between inputs and outputs.
6. When an operator manages several production units on the same surface, the units dedicated to non-certified products, together with the storage rooms for the inputs, should also be subject to the minimum control requirements.

PARAGRAPH: 1. The certificate mentioned above must be issued by the BIOTROPICO Certifier, duly authorized by the competent entity in Colombia, duly accredited. In any case, the product must equivalently comply with the requirements of this Standard, including eco-labeling.

PARAGRAPH: 2. Ecological (organic) products are imported in suitable containers, the closure of which prevents the substitution of their contents and which are provided with an identification of the exporter and other marks and codes that allow the batch to be identified with its inspection certificate

7. The importer must allow personnel authorized by the competent authority and BIOTROPICO to have access for inspection, to its facilities, in particular to import certificates (Control Certificates).

8. Imported organic (organic) products should be stored separately from other conventional agricultural products.

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## CHAPTER XII. GROUP CERTIFICATION

### ARTICLE 57. GROUP CONSIDERATION

A group is considered to be producers who are in the same geographical area, with similar agricultural, livestock, apicultural or fish farming crops or production systems, with a central administration responsible for compliance with the provisions of this Standard and with an Internal Control System (SCI).

The applicant group (Association - Organization) for a Certification must submit a service request - describing the background of the program and the requirements of the scope of the certification.

The Organization must describe in detail the management plan and agricultural or livestock production, or apiculture or other production system, which must keep updated with additional information taking into account changes in the production system, total areas, areas in production, Production estimates.

The Organization must be informed that parallel production in transitory species is not allowed and that in the event that there is parallel production in perennial species, the Organization must present a conversion plan to ecological (organic) production that includes all perennial species and / or all existing areas within a maximum period of five (5) years, and guarantee that organic production standards are applied in that period.

### ARTICLE 58. CONSIDERATIONS TO BE CERTIFIED AS A GROUP

To be considered as a group for a certification you must meet the following requirements:

- Have a central administration responsible for compliance with its internal regulations.
- Have an Internal Control System (SCI) in operation.
- Define and establish internal regulations.
- The internal regulations must include the type of sanctions to which producers who do not comply with organic production norms or internal regulations will be subject. Internal control shall document and supervise the execution and compliance with sanctions.
- Have centralized information on each of the group members.
- Ensure that both the central administration and the person in charge of the Internal Control System have a direct relationship with the members of the group.

PARAGRAPH: In principle, only small producers can be members of the group covered by group certification. Medium or large farms (which carry an external certification cost that is less than 2% of their turnover) may also belong to the group but must be inspected annually by BIOTROPICO.

### ARTICLE 59. RESPONSIBILITIES OF THE CENTRAL ADMINISTRATION OF THE ORGANIZATION

- Install an Internal Control System (SCI).
- Have signed documents from all members (letters of commitment) to comply with the Certification Scheme and allow inspections by BIOTROPICO and / or testifications of ONAC, IOAS, Members of the EU Commission and the Authorities that consider it.
- Ensure the implementation of the quality management system - SGC.
- The management of the producer group must sign a written contract with BIOTROPICO specifying the responsibilities of the producer group and the internal control system.
- Ensure that the quality of the certified product is maintained.
- It must create the means so that all the members of the Organization are sure to deliver their crops to the commercial system that has been established in the Organization (SIC) to pool their resources and strengthen their positions when negotiating.
- The SIC must create the conditions so that the traceability system allows to trace organic products from their farms or production lots to their commercialization; going through all the steps: harvest, post-harvest, storage, transport, storage, processing, and marketing.
- Train its members to comply with this Standard.

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i) Respond to the control body and the National Control System, for the compliance of its members with the ecological regulations established in this standard, and immediately notify them of any change in the group or any detected anomaly or corrective measure taken .

j) Appoint and train internal inspectors.

k) Evaluate the cases of new additions to the group and exclusions and report them to the BIOTROPICO Certifier.

l) Inform its members about the bases of organic production and the obligations or responsibilities of certification.

#### **ARTICLE 60. DUTIES OF THE SYSTEM OF INTERNAL CONTROL (SIC)**

The Internal Control System established by the Central Administration complies with:

a) Keep centralized, complete and updated the information of each of its members.

b) Have a duly documented registry of inclusions and exclusions.

c) Perform the inspection of 100% of the group members at least once a year.

d) Keep respective producer records with the following information: Full name, ID number, productive area, organic and uncertified crops with defined areas or areas dedicated to farming systems.

ecological and non-ecological livestock production, production estimates of each of the crops or livestock production, plot number, production, plans or maps of the location of the farm, visit sheets signed by the internal inspector and by the producer, receipts ( copies) of product sales and observations.

e) Adequate cleaning measures, the effectiveness of which must have been verified, must have been adopted before storing ecological (organic) products; The SIC and producers must record these operations.

f) The SIC must check the supporting documents of its suppliers.

g) In the case of organic production units of plants, algae, animals and aquaculture animals, the storage of inputs in the production unit other than those authorized under this standard is prohibited.

h) For the storage of the products, the areas must be managed in such a way that the identification of the lots is guaranteed and any mixture or contamination with products or substances that do not comply with the ecological production standards is prevented. Organic (organic) products must be clearly identifiable at all times.

#### **ARTICLE 61. REQUIREMENTS FOR INTERNAL INSPECTIONS**

All measures must be taken so that in case of suspected infringement or irregularities it is considered that a product that the Organization has produced, prepared or received from the producers does not comply with the rules related to organic production it will initiate procedures to withdraw said product any reference to the organic production method, either to separate and identify the product You can only send it for processing or packaging or market it after having dispelled that doubt, unless its marketing is done without any indication of reference to the organic production method.

In case of such doubts, the Organization will immediately inform BIOTROPICO. And it must demonstrate how the product has not been placed on the market with indications regarding the organic production method, by the information obtained by its Internal Control System or from other sources.

a) The internal inspections of the group must be carried out by duly trained internal inspectors. The BIOTROPICO Certifier must evaluate their competence, within a comprehensive system inspection.

b) At each inspection, the internal inspector must fill out the corresponding inspection sheet, pre-established and must be signed by the producer subject to the internal inspection.

#### **ARTICLE 62. RESPONSIBILITIES OF THE CERTIFIER**

a) The BIOTROPICO Certifier must inspect a minimum of 10 producers. If the group has 10 or fewer producers, the entire group should be inspected. If the group is made up of more than 100 members, a sampling of 10% to 12% is carried out, always taking into account the risk factor. If the risk factor is high,  $r2 \times 3$  is multiplied, depending on the risk analysis and the guarantees offered by the Internal Control System (SIC) implemented and the strength of the reports presented. In the case of operators with medium or large farms, whose external certification cost is less than 2% of their turnover, BIOTROPICO will inspect these farms annually. Each one of the units subject to the

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evaluation regime will be verified, mainly verifying the traceability on the site and registering compliance with the established conditions.

b) The BIOTROPICO Certifier is responsible for verifying that the Internal Control System (SIC) is working and that the inspections of the internal inspector and the BIOTROPICO inspector are consistent in their observations.

c) The BIOTROPICO Certifier must emphasize training on production estimates by internal inspectors.

d) During the evaluation, an internal inspector must be assigned to receive a shadow inspection by the BIOTROPICO Inspector and consider his competence. For this evaluation, the internal inspector will use the information collection checklists for small producers that the Organization has implemented.

e) The BIOTROPICO Certifier must verify that 100% of the members of the group are inspected by the Internal Control System (SIC) for at least every 12 months and / or the period of the annual certification.

f) The BIOTROPICO certifier establishes that inspections are carried out every year to members of the group who stopped being inspected in previous years. To make evaluations of compliance with improvement actions, an inspection is made of 15% of the producers inspected during the previous inspection.

g) The BIOTROPICO Certifier "if it finds inconsistencies or lack of reliability in the Internal Control System (SIC) with reference to internal inspections and internal certification evaluation procedures, the number of farms subject to the annual Inspection will increase by at least three (3) times the square root of the total number of farms in the Group".

h) If during the BIOTROPICO inspection (follow-up or without prior notice) it is found that the Internal Control System (SIC) has omitted due to negligence or has stopped reporting cases of irregularity and non-compliance detected and the measures imposed corrections along with the deadlines for its execution, these nonconformities are repetitive and put the quality of the certified product at risk, the decision is made immediately to sanction, or withdraw the certification of the group (Certificate Holder), until the corrective actions are have implemented and ensure that the situation ceases to reoccur (in the case of the application of prohibited products, the Internal Control System (SIC) must demonstrate that the members initiate a conversion period).

i) The BIOTROPICO Certifier, must submit to the competent Surveillance and control authorities and its accrediting agent, in a timely manner, the updated list of the group's composition once the certification has been granted and when changes arise in the list of producers, it communicates it in immediately.

PARAGRAPH: 1. Supporting documents - The BIOTROPICO Certifier will provide supporting documents to all the Groups that are subject to its controls and that in the scope of their activity meet the requirements set forth in this Standard. The supporting documents will allow, at least, the identification of the operator and the type or series of products, as well as the period of validity.

PARAGRAPH: 2. All Inspection Checklists must be signed by the operator responsible for the production unit and by the inspector assigned by the BIOTROPICO Certifier. At the end of the closing meeting, the BIOTROPICO Inspector must deliver a copy of the completed checklist to the Operator or person in charge of the Program considered to Certify.

## CHAPTER XIII. SOCIAL COMPONENT

### ARTICLE 63. SOCIAL CONSIDERATIONS

Group Organizations must have Empowerment Criteria (sense of belonging), guaranteeing a democratic governance structure. Self-management and productive criteria, oriented to traceability in the product flow. Commercial criteria, seeking transparency among partners and with consumers, promoting collaboration and horizontal integration of small producer organizations. Environmental and Human Health Criteria, seeking the care and conservation of the environment and the health of producers, their families and consumers. Labor criteria, to improve conditions, excluding child labor.

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Organic production units that hire workers must respect human rights and comply with current national and international regulations in relation to the conditions of the labor code and labor welfare. The BIOTROPICO Certifier denies the certificate to production units that have behaviors that violate human and worker rights. All Operators must demonstrate that employees have a legally established minimum wage, for each work period, that producers must pay their workers for their work, regardless of color, religion and sex.

Workers must have adequate protection from noise, dust and light, which must be within acceptable limits throughout the production and processing operation.

Contracts must be fair, open to negotiation and made in good faith. In cases where production is based on the violation of human rights and clear examples of social injustice, the product cannot be declared as ecological.

The condition of the peasant economy is evaluated, where the workforce is family and / or there is an exchange of wages.

All workers and family members must have effective measures against exposure to toxic products.

#### ARTICLE 64. COMPLAINTS AND APPEALS

The BIOTROPICO Certifier has a documented procedure for receiving, evaluating, and making decisions regarding claims and appeals. This procedure ensures that all interested parties are aware of how and when appropriate, the existence of the complaints and appeals process and the procedures to be followed.

In any case, the documents sent that refer to actions not properly carried out or those that entail a modification of existing action procedures or minutes already issued, or any other that has given rise to the initiation of an informative file or sanctioner.

Appeals, claims or remedies represent a source of information such as possible nonconformities. When a complaint is received, the BIOTROPICO Certifier establishes and takes actions on the cause of the disagreement found.

The BIOTROPICO Certifier must use this research to develop corrective actions, including measures to:

- Minimize the consequences of any nonconformity.
- Restore compliance to the requirements for conformity assessment as quickly as possible.
- Prevent the sequence of nonconformity.
- Evaluate the effectiveness of the corrective actions taken.

PARAGRAPH: 1. An Operator, who has received a written decision of non-compliance and non-conformity, may request a certification again at any time, going to the appeal. When the applicant submits a new application to another Certification Body other than BIOTROPICO SAS, the applicant must include a copy of the Certification decision or notification of rejection of the certification and must also provide this Body with a description of the actions taken, with documentation of support to correct the disagreements noted in the negative decision.

If the operator disapproves the documentation received, it must formally issue its disagreement with the proper justification and evidence, for which it sends an appeal letter. The time to carry out this procedure is 10 business days after receiving the Certification Decision.

PARAGRAPH: 2. The appeal is resolved taking into account the information of the control visit, the explanations of the Auditor / Inspector, the requirements of this standard, and the arguments and evidence presented by the operator, among other complementary documents. The time to resolve the appeal is 10 business days after receiving the Letter of Appeal. Once the appeal is resolved, a letter is sent to the operator informing the decision made, of which one copy goes to the operator's file and another to the appeals file.

#### ARTICLE 65. EXCHANGE OF INFORMATION

The competent authorities and the BIOTROPICO Certifier will exchange the relevant information on the results of their controls with other competent authorities and control bodies, upon request duly justified by the need to guarantee that a product has been produced in accordance with this Standard and standards of current organic production. You must also exchange such information on your own initiative.

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PARAGRAPH: In the event that the operator and its subcontractors are inspected by different control bodies or authorities, the contemplated declaration must include the consent of the operator, on its own behalf and on behalf of its subcontractors, so that the different control bodies or authorities they can exchange information about the operations subject to control and about the way in which said exchange of information should be carried out.

#### **ARTICLE 66. ACQUISITION OF INPUTS FOR ORGANIC PRODUCTION**

The products and substances that can be used in organic production for the following tasks are authorized for use in organic production and will include in a restricted list:

- a) As fertilizers and soil conditioners;
- b) As plant protection products;
- c) As non-organic raw materials of plant origin and raw materials of animal and mineral origin for feed and certain substances used in animal nutrition;
- d) As raw materials and ingredients (additives, adjuvants) of plant, animal, mineral or microorganism origin used for the elaboration of ecological food products.
- e) As additives for animal feed and technological aids;
- f) As cleaning and disinfection products for ponds, cages, premises and animal production facilities;
- g) As cleaning and disinfection products for premises and facilities used for food production, including storage on an agricultural holding.

#### **ARTICLE 67. MANUFACTURE OF FERTILIZERS OF ANIMAL ORIGIN**

The manufacture of fertilizers derived from meat, blood, vaporized bone meal, meat and bone, and domestic or imported mammalian offal is prohibited in the production of fertilizers.

#### **ARTICLE 68. INPUTS AUTHORIZED IN ORGANIC PRODUCTION**

In order to guarantee the quality, efficacy and safety of the inputs used in ecological or organic production, Substances of plant, animal, mineral or microorganism origin must comply with current regulations on inputs and registration. The Technical Standard in Colombia, issued by the ICA for ecological (organic) materials used as fertilizers and soil conditioners must be taken into account; processing and / or elaboration of human food issued by INVIMA; and processing and / or elaboration of animal feed.

#### **ARTICLE 69. CONDITIONS ON THE USE OF SUBSTANCES**

The products and substances that can be used in organic production will be authorized for use in organic production and will be included in a restricted list, as is the case in Annexes I and II and must be in accordance with Article 16 of the Regulation (EU) 834 / 2.007.

In no case should they be Genetically Modified Organisms (GMOs) or derivatives of GMOs.

The BIOTROPICO Certifier will take into account that the European Commission may, in accordance with the procedure referred to in Article 37, section 2 (R. 834/2007 EC) set the conditions and limits regarding agricultural products to which they may be applied the products and substances referred to in section 1 of Art. 16 (R. UE 834/2007), the mode of use, the dosage, the deadlines for use and contact with agricultural products and, if applicable necessary, decide on the withdrawal of these products and substances.

PARAGRAPH: When substances are required for primary production, they must be used with care and knowing that even the permitted substances can be used in the wrong way, with the risk of altering the soil or farm ecosystem. Everything related to the registration of fertilizers or synthetic substances, biological or related, chemical, of permitted use in organic production (Bio-inputs), will be governed by the provisions issued for this purpose by the ICA and in this Standard.

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## ANEXOS

### PRODUCTOS O INSUMOS PARA LA PRODUCCIÓN AGROPECUARIA ECOLÓGICA

Productos y sustancias que pueden utilizarse en la agricultura ecológica.

#### ANEXO I

#### Fertilizantes, acondicionadores del suelo y nutrientes mencionados en el artículo 3, apartado 1, y en el artículo 6 *quinquies*, apartado 2

*Notas:* A: Autorización prorrogada por el artículo 16, apartado 3, letra c), del Reglamento (CE) no 834/2007 B: Autorización conforme al Reglamento (CE) no 834/2007

| Autorización:                                                                                | Denominación Productos en cuya composición entren o que contengan únicamente las materias enumeradas en la lista siguiente: | Descripción, requisitos de composición y condiciones de utilización                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A                                                                                            | Estiércol de granja                                                                                                         | Producto constituido mediante la mezcla de excrementos de animales y de materia vegetal (cama) Prohibida la procedencia de ganaderías intensivas                                                                                                                                                                                                                                                                                                                                                                              |
| A                                                                                            | Estiércol desecado y gallinaza deshidratada                                                                                 | Prohibida la procedencia de ganaderías intensivas                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A                                                                                            | Mantillo de excrementos sólidos, incluidos la gallinaza y el estiércol compostado                                           | Prohibida la procedencia de ganaderías intensivas A                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| A                                                                                            | Excrementos líquidos de animales                                                                                            | Utilización tras una fermentación controlada y/o dilución adecuada Prohibida la procedencia de ganaderías intensivas                                                                                                                                                                                                                                                                                                                                                                                                          |
| B                                                                                            | Mezclas de residuos domésticos compostados o fermentados                                                                    | Producto obtenido a partir de residuos domésticos separados en función de su origen, sometido a un proceso de compostaje o a una fermentación anaeróbica para la producción de biogás Únicamente residuos domésticos vegetales y animales Únicamente cuando se produzcan en un sistema de recogida cerrado y vigilado, aceptado por el Estado miembro Concentraciones máximas en mg/kg de materia seca: cadmio: 0,7; cobre: 70; níquel: 25; plomo: 45; zinc: 200; mercurio: 0,4; cromo (total): 70; cromo (VI): no detectable |
| A                                                                                            | Turba                                                                                                                       | Utilización limitada a la horticultura (cultivo de huertos, floricultura, arboricultura, viveros)                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A                                                                                            | Mantillo procedente de cultivos de setas                                                                                    | La composición inicial del sustrato debe limitarse a productos del presente anexo                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A                                                                                            | Deyecciones de lombrices (humus de lombriz) e insectos                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A                                                                                            | Guano                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A                                                                                            | Mezclas de materias vegetales compostadas o fermentadas                                                                     | Producto obtenido a partir de mezclas de materias vegetales, sometido a un proceso de compostaje o a una fermentación anaeróbica para la producción de biogás                                                                                                                                                                                                                                                                                                                                                                 |
| Elaboration: William A Flórez                                                                |                                                                                                                             | Verification: Ma. Gisela Vescance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Fecha 1a emission: 04.09.1997                                                                |                                                                                                                             | Fecha actualizacion: 07.02.2020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|   |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A | Digerido de biogás, con subproductos animales codigeridos con material de origen vegetal o animal recogido en el presente anexo                                                                                                                                                                                                        | Los subproductos animales (incluidos los subproductos de animales salvajes) de la categoría 3 y el contenido del tubo digestivo de la categoría 2 [las categorías 2 y 3 son las definidas en el Reglamento (CE) no 1069/2009 del Parlamento Europeo y del Consejo (1)] no deben proceder de ganaderías intensivas. Los procesos tienen que ajustarse a lo dispuesto en el Reglamento (UE) no 142/2011 de la Comisión. No debe aplicarse a las partes comestibles del cultivo. |
| B | Productos o subproductos de origen animal mencionados a continuación: harina de sangre polvo de pezuña polvo de cuerno polvo de huesos o polvo de huesos desgelatinizado harina de pescado harina de carne harina de pluma, pelo y “chiquette” lana aglomerados de pelos y piel (1) pelos productos lácteos proteínas hidrolizadas (2) | 1) Concentración máxima en mg/kg de materia seca de cromo (VI): no detectable<br>2) No debe aplicarse a las partes comestibles del cultivo.                                                                                                                                                                                                                                                                                                                                   |
| A | Productos y subproductos de origen vegetal para abono                                                                                                                                                                                                                                                                                  | Ejemplos: harina de tortas oleaginosas, cáscara de cacao y raicillas de malta                                                                                                                                                                                                                                                                                                                                                                                                 |
| B | Proteínas hidrolizadas de origen vegetal                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A | Algas y productos de algas                                                                                                                                                                                                                                                                                                             | En la medida en que se obtengan directamente mediante: i) procedimientos físicos, incluidas la deshidratación, la congelación y la trituración, ii) extracción con agua o con soluciones acuosas ácidas y/o alcalinas, iii) fermentación                                                                                                                                                                                                                                      |
| A | Serrín y virutas de madera                                                                                                                                                                                                                                                                                                             | Madera no tratada químicamente después de la tala                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A | Mantillo de cortezas                                                                                                                                                                                                                                                                                                                   | Madera no tratada químicamente después de la tala                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A | Cenizas de madera                                                                                                                                                                                                                                                                                                                      | A base de madera no tratada químicamente después de la tala                                                                                                                                                                                                                                                                                                                                                                                                                   |
| A | Fosfato natural blando                                                                                                                                                                                                                                                                                                                 | Producto especificado en el punto 7 del anexo IA.2. del Reglamento (CE) no 2003/2003 del Parlamento Europeo y del Consejo (2). Contenido de cadmio inferior o igual a 90 mg/kg de P205                                                                                                                                                                                                                                                                                        |
| A | Fosfato aluminocálcico                                                                                                                                                                                                                                                                                                                 | Producto especificado en el punto 6 del anexo IA.2. del Reglamento (CE) no 2003/2003 Contenido de cadmio inferior o igual a 90 mg/kg de P205 Utilización limitada a los suelos básicos (pH > 7,5)                                                                                                                                                                                                                                                                             |
| A | Escorias de defosforación                                                                                                                                                                                                                                                                                                              | Productos especificados en el punto 1 del anexo IA.2. del Reglamento (CE) no 2003/2003                                                                                                                                                                                                                                                                                                                                                                                        |
| A | Sal potásica en bruto o kainita                                                                                                                                                                                                                                                                                                        | Productos especificados en el punto 1 del anexo IA.3. del Reglamento (CE) no 2003/2003                                                                                                                                                                                                                                                                                                                                                                                        |
| A | Sulfato de potasio que puede contener sal de magnesio                                                                                                                                                                                                                                                                                  | Producto obtenido a partir de sal potásica en bruto mediante un proceso de extracción físico, que también puede contener sales de magnesio                                                                                                                                                                                                                                                                                                                                    |
| A | Vinaza y extractos de vinaza                                                                                                                                                                                                                                                                                                           | Excluidas las vinazas amoniacaes                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| Elaboration: William A<br>Flórez | Verification: Ma. Gisela<br>Vescance | Approbation: Gerencia<br>de calidad | Destinatario: Sistema de Calidad,<br>Clientes - Operadores y Autoridades<br>competentes. Sitio WEB |
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|-------|-------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       | Carbonato de calcio, por ejemplo: creta, marga, roca calcárea molida, arena calcárea, creta fosfatada                         | Únicamente de origen natural                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| B     | Residuos de moluscos                                                                                                          | Únicamente de la pesca sostenible, tal como se define en el artículo 4, apartado 1, punto 7), del Reglamento (UE) no 1380/2013 del Consejo, o de la acuicultura ecológica                                                                                                                                                                                                                                                                                                                                                                                                                       |
| B     | Cáscaras de huevo                                                                                                             | Prohibida la procedencia de ganaderías intensivas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A     | Magnesio y carbonato de calcio                                                                                                | Únicamente de origen natural. Por ejemplo, creta de magnesio, roca de magnesio calcárea molida                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A     | Sulfato de magnesio (kieserita)                                                                                               | Únicamente de origen natural                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A     | Solución de cloruro de calcio                                                                                                 | Tratamiento foliar de los manzanos, a raíz de una carencia de calcio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A     | Sulfato de calcio (yeso)                                                                                                      | Productos especificados en el punto 1 del anexo ID. del Reglamento (CE) no 2003/2003 Únicamente de origen natural                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A y B | Cal industrial procedente de la producción de azúcar                                                                          | Subproducto de la producción de azúcar a partir de remolacha azucarera y caña de azúcar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A     | Cal industrial procedente de la producción de sal al vacío                                                                    | Subproducto de la producción de sal al vacío a partir de la salmuera natural de las montañas                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A     | Azufre elemental                                                                                                              | Productos especificados en el anexo ID.3. del Reglamento (CE) no 2003/2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| A     | Oligoelementos                                                                                                                | Micronutrientes inorgánicos enumerados en la parte E del anexo I del Reglamento (CE) no 2003/2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A     | Cloruro de sodio                                                                                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A     | Polvo de roca y arcilla                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| B     | Leonardita (sedimento orgánico sin tratar rico en ácidos húmicos)                                                             | Únicamente si se obtiene como subproducto de actividades mineras                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| B     | Ácidos húmicos y fúlvicos                                                                                                     | Únicamente si se obtienen a través de sales / soluciones inorgánicas excluidas las sales de amonio; o si se obtienen a partir de la purificación del agua potable                                                                                                                                                                                                                                                                                                                                                                                                                               |
| B     | Xilita                                                                                                                        | Únicamente si se obtiene como subproducto de actividades mineras (por ejemplo, subproducto de la minería del lignito)                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| B     | Quitina (polisacárido obtenido del caparazón de crustáceos)                                                                   | Únicamente si se obtiene de la pesca sostenible, tal como se define en el artículo 4, apartado 1, punto 7), del Reglamento (UE) no 1380/2013 del Consejo, o de la acuicultura ecológica                                                                                                                                                                                                                                                                                                                                                                                                         |
| B     | Sedimento rico en materia orgánica procedente de masas de agua dulce y formado en ausencia de oxígeno (por ejemplo, sapropel) | Únicamente sedimentos orgánicos que sean subproductos de la gestión de masas de agua dulce o se hayan extraído de antiguas zonas de agua dulce En su caso, la extracción debe efectuarse de forma que sea mínimo el impacto causado al sistema acuático Únicamente sedimentos procedentes de fuentes libres de contaminación por plaguicidas, contaminantes orgánicos persistentes y sustancias análogas de la gasolina Concentraciones máximas en mg/kg de materia seca: cadmio: 0,7; cobre: 70; níquel: 25; plomo: 45; zinc: 200; mercurio: 0,4; cromo (total): 70; cromo (VI): no detectable |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
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|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| B | Biocarbón - producto de pirólisis obtenido a partir de una amplia variedad de materiales orgánicos de origen vegetal y aplicado como acondicionador del suelo | Únicamente a partir de materiales vegetales no tratados o tratados con productos incluidos en el anexo II. Valor máximo de 4 mg de hidrocarburos aromáticos policíclicos (HAP) por kg de materia seca. Este valor debe revisarse cada dos años, teniendo en cuenta el riesgo de acumulación debido a múltiples aplicaciones.» |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(1) Reglamento (UE) no 142/2011 de la Comisión, de 25 de febrero de 2011, por el que se establecen las disposiciones de aplicación del Reglamento (CE) no 1069/2009 del Parlamento Europeo y del Consejo, por el que se establecen las normas sanitarias aplicables a los subproductos animales y los productos derivados no destinados al consumo humano, y la Directiva 97/78/CE del Consejo en cuanto a determinadas muestras y unidades exentas de los controles veterinarios en la frontera en virtud de la misma (DO L 54 de 26.2.2011, p. 1). (2) Reglamento (CE) no 2003/2003 del Parlamento Europeo y del Consejo, de 13 de octubre de 2003, relativo a los abonos (DO L 304 de 21.11.2003, p. 1).

## ANEXO II

**Plaguicidas — Productos fitosanitarios a que se refiere el artículo 5, apartado 1** Todas las sustancias enumeradas en el presente anexo deben cumplir, como mínimo, las condiciones de utilización, según lo especificado en el anexo del Reglamento de Ejecución (UE) no 540/2011 de la Comisión (1). En la segunda columna de cada cuadro se especifican condiciones más restrictivas para su utilización en la producción ecológica.

### 1. Sustancias de origen vegetal o animal

| Denominación                                                         | Descripción, requisitos de composición y condiciones de utilización                                                                                              |
|----------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Allium sativum (Extracto de ajo)                                     |                                                                                                                                                                  |
| Azadiractina extraída de <i>Azadirachta indica</i> (árbol del neem)  |                                                                                                                                                                  |
| Cera de abejas                                                       | Solo como agente para la poda / protector de madera                                                                                                              |
| Sustancia activa COS-OGA                                             |                                                                                                                                                                  |
| Proteínas hidrolizadas salvo la gelatina                             |                                                                                                                                                                  |
| Laminarina                                                           | Las laminarias se cultivarán de forma ecológica de acuerdo con el artículo 6 quinquies o se recolectarán de forma sostenible de acuerdo con el artículo 6 quater |
| Maltodextrina                                                        |                                                                                                                                                                  |
| Feromonas                                                            | Únicamente en trampas y dispersores                                                                                                                              |
| Aceites vegetales                                                    | Todas las utilizaciones autorizadas, salvo como herbicida                                                                                                        |
| Piretrinas                                                           | Únicamente de origen vegetal                                                                                                                                     |
| Cuasia extraída de <i>Quassia amara</i>                              | Únicamente como insecticida y repelente                                                                                                                          |
| Repelentes (por el olor) de origen animal o vegetal / grasa de ovino | Solo para las partes no comestibles del cultivo y cuando el material del cultivo no sea ingerido por ovejas ni cabras                                            |
| <i>Salix spp.</i> Cortex (también denominado corteza de sauce)       |                                                                                                                                                                  |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
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|                                      |  |
|--------------------------------------|--|
| Terpenos (eugenol, geraniol y timol) |  |
|--------------------------------------|--|

## 2. Sustancias básicas

|                                                                                                                                                                            |                                                                                                                                                                                                                                                                                |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustancias básicas a base de alimentos (en particular: lecitinas, sacarosa, fructosa, vinagre, lactosuero, clorhidrato de quitosano (1) y <i>Equisetum arvense</i> , etc.) | Únicamente las sustancias básicas a tenor del artículo 23 del Reglamento (CE) no 1107/2009 (2) que sean alimentos, tal como se definen en el artículo 2 del Reglamento (CE) no 178/2002, y tengan origen vegetal o animal. Sustancias que no deben utilizarse como herbicidas. |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

(1) Obtenidas de la pesca sostenible o de la acuicultura ecológica.

(2) Reglamento (CE) no 1107/2009 del Parlamento Europeo y del Consejo, de 21 de octubre de 2009, relativo a la comercialización de productos fitosanitarios (DO L 309 de 24.11.2009, p. 1).

(1) Reglamento de Ejecución (UE) no 540/2011 de la Comisión, de 25 de mayo de 2011, por el que se establecen disposiciones de aplicación del Reglamento (CE) no 1107/2009 del Parlamento Europeo y del Consejo en lo que respecta a la lista de sustancias activas aprobadas (DO L 153 de 11.6.2011, p. 1).

## 3. Microorganismos o sustancias producidas por microorganismos o derivadas de ellos

| Denominación    | Descripción, requisitos de composición y condiciones de utilización |
|-----------------|---------------------------------------------------------------------|
| Microorganismos | No procedentes de OMG                                               |
| Spinosad        |                                                                     |
| Cerevisane      |                                                                     |

## 4. Sustancias distintas de las mencionadas en las secciones 1, 2 y 3

| Denominación                                                                                                                        | Descripción, requisitos de composición y condiciones o restricciones de utilización                                            |
|-------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Silicato de aluminio (caolín)                                                                                                       |                                                                                                                                |
| Hidróxido de calcio                                                                                                                 | Cuando se utilice como fungicida, solo para árboles frutales (incluso en viveros), para el control de <i>Nectria galligena</i> |
| Dióxido de carbono                                                                                                                  |                                                                                                                                |
| Compuestos de cobre en forma de: hidróxido de cobre, oxiclورو de cobre, óxido de cobre, caldo bordelés y sulfato tribásico de cobre |                                                                                                                                |
| Fosfato diamónico                                                                                                                   | Únicamente como atrayente en trampas                                                                                           |
| Etileno                                                                                                                             |                                                                                                                                |
| Ácidos grasos                                                                                                                       | Todas las utilizaciones autorizadas, salvo como herbicida                                                                      |
| Fosfato férrico [ortofosfato de hierro (III)]                                                                                       | Preparados para su dispersión en la superficie entre las plantas cultivadas                                                    |
| Peróxido de hidrógeno                                                                                                               |                                                                                                                                |
| Kieselgur (tierra de diatomeas)                                                                                                     |                                                                                                                                |

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| Polisulfuro de calcio                                                                           |                                                                                                                                 |
| Aceite de parafina                                                                              |                                                                                                                                 |
| Hidrogenocarbonato de potasio y sodio<br>(también denominado bicarbonato de<br>potasio y sodio) |                                                                                                                                 |
| Piretroides (solo deltametrina o lambda-<br>cihalotrina)                                        | Únicamente en trampas con atrayentes específicos; únicamente<br>contra <i>Bactrocera oleae</i> y <i>Ceratitis capitata</i> Wied |
| Arena de cuarzo                                                                                 |                                                                                                                                 |
| Cloruro de sodio                                                                                | Todas las utilizaciones autorizadas, salvo como herbicida«                                                                      |
| Azufre                                                                                          |                                                                                                                                 |

### ANEXO III. SUPERFICIES MÍNIMAS CUBIERTAS Y AL AIRE LIBRE Y OTRAS CARACTERÍSTICAS DE ALOJAMIENTO DE LAS DISTINTAS ESPECIES Y LOS DISTINTOS TIPOS DE PRODUCCIÓN.

#### 1. Bovinos, equinos, ovinos, caprinos, porcinos y aves de corral:

| TIPO DE ANIMAL                                               | Zona cubierta (superficie neta disponible<br>por animal) |                                                                                   | Superficie de ejercicio,<br>sin incluir pastos   |
|--------------------------------------------------------------|----------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------|
|                                                              | Peso mínimo en<br>vivo (kilogramos)                      | M2/cabeza                                                                         | M2/cabeza                                        |
| Ganado de reproducción y<br>de engorde: bovinos y<br>equinos | hasta 80                                                 | 1,5                                                                               | 1,1                                              |
|                                                              | hasta 160                                                | 2,5                                                                               | 1,9                                              |
|                                                              | hasta 320                                                | 4                                                                                 | 3                                                |
|                                                              | de más de 350                                            | 5, con un mínimo de 1<br>m2 / 100 kilogramos                                      | 3,7, con un mínimo de<br>0,75 m2/ 100 kilogramos |
| Vacas lecheras                                               |                                                          | 6                                                                                 | 4,5                                              |
| Toros destinados a la<br>reproducción                        |                                                          | 10                                                                                | 30                                               |
| Ovinos y caprinos                                            |                                                          | 1,5 ovino/caprino                                                                 | 2,5                                              |
|                                                              |                                                          | 0,35 cordero / cabrito                                                            | 0,5                                              |
| Cerdas nodrizas con<br>lechones de hasta 40 días             |                                                          | 7,5 cerda                                                                         | 2,5                                              |
| Cerdos de engorde                                            | hasta 50                                                 | 0,8                                                                               | 0,6                                              |
|                                                              | hasta 85                                                 | 1,1                                                                               | 0,8                                              |
|                                                              | hasta 110                                                | 1,3                                                                               | 1                                                |
| Lechones                                                     | de más de 40 días y<br>hasta 30 kilogramos               | 0,6                                                                               | 0,4                                              |
| Cerdos reproductores                                         |                                                          | 2,5 hembra                                                                        | 1,9                                              |
|                                                              |                                                          | Cuando los recintos<br>también se utilicen para<br>la cubrición: 10<br>m2/verraco | 8,0                                              |

#### 2. Aves de corral

|                                  |                                      |                                     |                                                                                                    |
|----------------------------------|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
| Elaboration: William A<br>Flórez | Verification: Ma. Gisela<br>Vescance | Approbation: Gerencia<br>de calidad | Destinatario: Sistema de Calidad,<br>Clientes - Operadores y Autoridades<br>competentes. Sitio WEB |
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|                                                                                            | Zona cubierta (superficie neta disponible por animal)                   |                     |                                                                                | Zona al aire libre (m2 de espacio disponible en rotación/ cabeza)                                                                                                            |
|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------|--------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                            | No animales/m2                                                          | cm aseladero animal | de nido                                                                        |                                                                                                                                                                              |
| Gallinas ponedoras                                                                         | 6                                                                       | 18                  | 7 gallinas ponedoras por nido o, si se trata de un nido común, 120 cm2 por ave | 4, siempre que no se supere el límite de 170 kilogramos de N/ha/año                                                                                                          |
| Aves de corral de engorde (en alojamiento fijo)                                            | 10, con un máximo de 21 kilogramos de peso en vivo/m2                   |                     | 20 (solo Para pintadas)                                                        | 4, pollos de carne y pintadas, 4,5: patos 10: pavos, 15: ocas<br>No deberá superarse el límite de 170 kilogramos de N/ha/año para ninguna de las especies arriba mencionadas |
|                                                                                            | Zona cubierta (superficie neta disponible por animal)                   |                     |                                                                                | Zona al aire libre (m2 de espacio disponible en rotación/ cabeza)                                                                                                            |
|                                                                                            | No animales/m2                                                          | cm aseladero animal | de nido                                                                        |                                                                                                                                                                              |
| Polluelos de engorde en alojamiento móvil                                                  | 16 en alojamiento móvil, con un máximo de 30 kilogramos peso en vivo/m2 |                     |                                                                                | 2,5, siempre que no se supere el límite de 170 kilogramos de N/ha/año                                                                                                        |
| Exclusivamente en caso de alojamiento móvil que no supere 150 m2 de superficie disponible. |                                                                         |                     |                                                                                |                                                                                                                                                                              |

#### ANEXO IV. NÚMERO MÁXIMO DE ANIMALES POR HECTÁREA

| Categoría o especie       | No. máximo de animales / ha equivalente a 170 kilogramos de N/ha/año | Categoría o especie   | No. máximo de animales / ha equivalente a 170 kilogramos de N/ha/año |
|---------------------------|----------------------------------------------------------------------|-----------------------|----------------------------------------------------------------------|
| Équidos de más de 6 meses | 2                                                                    | Otras vacas           | 2,5                                                                  |
| Terneros de engorde       | 5                                                                    | Conejas reproductoras | 100                                                                  |

|                               |                                   |                                  |                                                                                              |
|-------------------------------|-----------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
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|                                 |     |                      |      |
|---------------------------------|-----|----------------------|------|
| Otros bovinos de menos de 1 año | 5   | Ovejas               | 13,3 |
| Bovinos machos de 1 a 2 años    | 3   | Cabras               | 13,3 |
| Bovinos hembras de 1 a 2 años   | 3   | Lechones             | 74   |
| Bovinos machos de más de 2 años | 2   | Cerdas reproductoras | 6,5  |
| Terneras para cría              | 2,5 | Cerdos de engorde    | 14   |
| Terneras de engorde             | 2,5 | Otros cerdos         | 14   |
| Vacas lecheras                  | 2   | Pollos de carne      | 580  |
| Vacas lecheras de reposición    | 2   | Gallinas ponedoras   | 230  |

## ANEXO V. MATERIAS PRIMAS PARA LA ALIMENTACIÓN ANIMAL

### 1. **MATERIAS PRIMAS PARA LA ALIMENTACIÓN ANIMAL NO ECOLÓGICAS, DE ORIGEN VEGETAL**

#### 1.1. **Cereales, semillas, sus productos y subproductos:**

- Maíz en grano, salvado, harinilla, gérmenes, gluten y material vegetal.
- Sorgo en grano y material vegetal
- Material vegetal de arroz
- Avena en grano, harinilla, cáscaras y salvado
- Cebada en grano, proteínas y harinilla
- Torta de presión de germen de arroz
- Mijo en grano (de varios cultivos cereales con semilla pequeña)
- Centeno en grano y harinilla
- Trigo en grano, harinilla, salvado, gluten y gérmenes
- Espelta en grano
- Residuos de cerveza

#### 1.2. **Semillas oleaginosas, frutos oleaginosos, sus productos y subproductos:**

- Palmiste en torta de presión
- Aceites vegetales (extracción física)
- Haba, tostada, en torta de presión y cáscaras
- Soya en grano, tostada, en torta de presión y cáscaras
- Semillas de girasol en semillas y torta de presión
- Algodón en semillas y torta de presión de semillas
- Semillas de lino en semillas y torta de presión
- Semillas de sésamo en torta de presión
- Semillas de calabaza en torta de presión
- Aceitunas, orujo de aceituna deshuesada

#### 1.3. **Semillas leguminosas, sus productos y subproductos:**

- Frijoles en semillas y material vegetativo, harinillas y salvados
- Garbanzos en semillas, harinillas y salvados
- Guisantes en semillas, harinillas y salvados
- Habas en semillas, harinillas y salvado

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|----------------------------------|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
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1.4. **Tubérculos, raíces, sus productos y subproductos:**

- Remolacha y Zanahoria
- Patatas– papas (Pulpa de patatas – papas subproducto de feculería)
- Proteína de patata - papa
- Mandioca – Yuca - Manihot esculenta
- Malanga – Xanthosoma spp.
- Ñame - Dioscorea sculenta
- Arracacha - Arracacia zanthorrhiza
- Achira - Canna indica

1.5. **Otras semillas y frutas, sus productos y subproductos:**

- Algarrobas
- Vainas y harinas de Frijoles
- Guandul - Cajanus cajan
- Calabazas
- Pulpa de cítricos
- Cidra – Cayote - Cucurbita ficifolia
- Plátanos, bananos, Manzanas, membrillos, peras, melocotones, higos, uvas y sus pulpas
- Castañas
- Torta de presión de nueces
- Torta de presión de avellanas
- Peladuras y torta de presión de cacao
- Bellotas

1.6. **Forrajes:**

- Material vegetal del maíz
- Material vegetal de especies leguminosas
- Alfalfa
- Harina de alfalfa
- Leucaena - Leucaena leucocephala
- Mataraton - Gliricidia sepium
- Nacadero - Trichantera gigantea
- Cambulo - Erythrina poeppigiana
- Chachafruto - Erythrina edulis, material vegetal, frutos y harinas.
- Trébol
- Harina de trébol
- Bagazo de caña de azúcar.
- Hierba (obtenida a partir de plantas forrajeras)
- Harina de hierba
- Heno
- Forraje ensilado
- Paja de cereales
- Raíces vegetales para forrajes

1.7. **Otras plantas, sus productos y subproductos:**

- Melaza y Cachaza, origen del proceso de la caña de azúcar.
- Harina de algas (por desecación y trituración de algas y posterior lavado para reducir su contenido de yodo)
- Polvos y extractos de plantas
- Extractos proteínicos vegetales (proporcionados solamente a las crías)
- Especies

|                                  |                                      |                                     |                                                                                                    |
|----------------------------------|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
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- Plantas aromáticas y condimentarias.
- 2. MATERIAS PRIMAS PARA LA ALIMENTACIÓN ANIMAL DE ORIGEN ANIMAL**
- 2.1. Leche y productos lácteos:**
  - Leche cruda
  - Leche en polvo
  - Leche desnatada, leche desnatada en polvo
  - Lácteos, mazada en polvo
  - Suero de leche, proteína de suero en polvo (mediante tratamiento físico)
  - Lactosa en polvo
  - Cuajada y leche cortada (agria)
- 2.2. Pescados y otros animales marinos, sus productos y subproductos: que vayan a utilizarse exclusivamente para especies distintas de los herbívoros**
  - Pescado
  - Aceite de pescado y aceite de hígado de bacalao no refinado
  - Autolisatos de pescado, moluscos o crustáceos
  - Hidrolisatos y proteolisatos obtenidos por vía enzimática, en forma soluble o no soluble, únicamente para las crías
- 2.3. Huevos y ovoproductos:**
  - Huevos y ovoproductos para la alimentación de las aves de corral, preferentemente obtenidos en la propia explotación.
- 3. MATERIAS PRIMAS PARA LA ALIMENTACIÓN ANIMAL DE ORIGEN MINERAL**
- 3.1. Sodio:**
  - Sal marina sin refinar
  - Sal gema bruta de mina
  - Sulfato de sodio
  - Carbonato de sodio
  - Bicarbonato de sodio
  - Cloruro de sodio
- 3.2. Potasio:**
  - Cloruro de potasio
- 3.3. Calcio:**
  - Lithothamnium y maerl – Algas calcáreas libres.
  - Conchas de animales acuáticos (incluidos los huesos de sepia)
  - Carbonato de calcio
  - Lactato de calcio
  - Gluconato cálcico
- 3.4. Fósforo:**
  - Fosfato bicálcico defluorado
  - Fosfato monocálcico defluorado
  - Fosfato monosódico
  - Fosfato cálcico y magnésico
  - Fosfato cálcico y sódico
- 3.5. Magnesio:**
  - Óxido de magnesio (magnesio anhidro)
  - Sulfato de magnesio
  - Cloruro de magnesio

|                                  |                                      |                                     |                                                                                                    |
|----------------------------------|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
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- Carbonato de magnesio
  - Fosfato de magnesio
- 3.6. **Azufre:**
- Sulfato de sodio

## ANEXO VI

### Aditivos para piensos utilizados en la alimentación animal contemplados en el artículo 22, letra g), el artículo 24, apartado 2, y el artículo 25 *quaterdecies*, apartado 2

Los aditivos para piensos que figuran en el presente anexo deben estar autorizados con arreglo al Reglamento (CE) no 1831/2003 del Parlamento Europeo y del Consejo.

#### 1. ADITIVOS TECNOLÓGICOS

##### a) *Conservantes*

| Número de identificación o grupo funcional | Sustancia         | Descripción, condiciones de utilización |
|--------------------------------------------|-------------------|-----------------------------------------|
| E 200                                      | Ácido sórbico     |                                         |
| E 236                                      | Ácido fórmico     |                                         |
| E 237                                      | Formiato de sodio |                                         |
| E 260                                      | Ácido acético     |                                         |
| E 270                                      | Ácido láctico     |                                         |
| E 280                                      | Ácido propiónico  |                                         |
| E 330                                      | Ácido cítrico     |                                         |

##### b) *Antioxidantes*

| Número de identificación o grupo funcional | Sustancia                                                                     | Descripción, condiciones de utilización |
|--------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------|
| 1b306(i)                                   | Extractos de tocoferol de aceites vegetales                                   |                                         |
| 1b306(ii)                                  | Extractos ricos en tocoferol de aceites vegetales (ricos en delta- tocoferol) |                                         |

##### c) *Agentes emulsionantes, estabilizantes, espesantes y gelificantes*

| Número de identificación o grupo funcional | Sustancia | Descripción, condiciones de utilización                   |
|--------------------------------------------|-----------|-----------------------------------------------------------|
| 1c322                                      | Lecitinas | Únicamente si derivan de materias primas ecológicas       |
|                                            |           | Utilización restringida a los piensos para la acuicultura |

|                               |                                   |                                  |                                                                                              |
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d) *Aglutinantes y agentes antiaglomerantes*

| Número de identificación o grupo funcional | Sustancia                                  | Descripción, condiciones de utilización                            |
|--------------------------------------------|--------------------------------------------|--------------------------------------------------------------------|
| E 412                                      | Goma guar                                  |                                                                    |
| E 535                                      | Ferrocianuro sódico                        | Dosis máxima de 20 mg/kg NaCl calculada como anión de ferrocianuro |
| E 551b                                     | Sílice coloidal                            |                                                                    |
| E 551c                                     | Kieselgur (tierra de diatomeas purificada) |                                                                    |
| 1m558i                                     | Bentonita                                  |                                                                    |
| E 559                                      | Arcillas caoliníticas, sin amianto         |                                                                    |
| E 560                                      | Mezclas naturales de esteatitas y clorita  |                                                                    |
| E 561                                      | Vermiculita                                |                                                                    |
| E 562                                      | Sepiolita                                  |                                                                    |
| E 566                                      | Natrolita-fonolita                         |                                                                    |
| 1g568                                      | Clinoptilolita de origen sedimentario      |                                                                    |
| E 599                                      | Perlita                                    |                                                                    |

e) *Aditivos de ensilado*

| Número de identificación o grupo funcional | Sustancia                              | Descripción, condiciones de utilización                                                                                                                                                                                                                                                               |
|--------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1k 1k236                                   | Enzimas, microorganismos Ácido fórmico | Únicamente para producción de ensilado cuando las condiciones climáticas no permitan una fermentación adecuada. El uso de ácido fórmico, ácido propiónico y sus sales de sodio en la producción de ensilaje solo se permitirá cuando las condiciones climáticas no permitan una fermentación adecuada |
| 1k237                                      | Formiato de sodio                      |                                                                                                                                                                                                                                                                                                       |
| 1k280                                      | Ácido propiónico                       |                                                                                                                                                                                                                                                                                                       |
| 1k281                                      | Propionato de sodio                    |                                                                                                                                                                                                                                                                                                       |

## 2. ADITIVOS ORGANOLÉPTICOS

| Número de identificación o grupo funcional | Sustancia                                         | Descripción, condiciones de utilización     |
|--------------------------------------------|---------------------------------------------------|---------------------------------------------|
| 2b                                         | Compuestos aromatizantes                          | Únicamente extractos de productos agrícolas |
|                                            | <i>Castanea sativa</i> Mill.: Extracto de castaño |                                             |

## 3. ADITIVOS NUTRICIONALES

|                               |                                   |                                  |                                                                                              |
|-------------------------------|-----------------------------------|----------------------------------|----------------------------------------------------------------------------------------------|
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a) *Vitaminas, provitaminas y sustancias químicamente bien definidas de efecto análogo*

| Número de identificación o grupo funcional | Sustancia                | Descripción, condiciones de utilización                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3a                                         | Vitaminas y provitaminas | Obtenidas de productos agrícolas. Si se obtienen de forma sintética, únicamente se podrán utilizar para los animales monogástricos y los animales de la acuicultura las que sean idénticas a las obtenidas de productos agrícolas.                                                                                                                                                                                       |
|                                            |                          | Si se obtienen de forma sintética, únicamente se podrán utilizar para los rumiantes las vitaminas A, D y E idénticas a las obtenidas de productos agrícolas; la utilización está sujeta a la autorización previa de los Estados miembros basada en la evaluación de la posibilidad de que los rumiantes alimentados de forma ecológica obtengan las cantidades necesarias de las citadas vitaminas a través de su dieta. |
| 3a920                                      | Betaína anhidra          | Únicamente para los animales monogástricos<br>Únicamente de origen natural y, cuando esté disponible, de origen ecológico                                                                                                                                                                                                                                                                                                |

b) *Compuestos de oligoelementos*

| Número de identificación o grupo funcional | Sustancia                                                                    | Descripción, condiciones de utilización |
|--------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------|
|                                            | E1 Hierro                                                                    |                                         |
| 3b101                                      | Carbonato de hierro (II) (siderita)                                          |                                         |
| 3b103                                      | Sulfato de hierro (II), monohidratado                                        |                                         |
| 3b104                                      | Sulfato de hierro (II), heptahidratado                                       |                                         |
| 3b201                                      | Yoduro de potasio                                                            |                                         |
| 3b202                                      | Yodato de calcio, anhidro                                                    |                                         |
| 3b203                                      | Yodato de calcio granulado recubierto, anhidro                               |                                         |
| 3b301                                      | Acetato de cobalto (II) tetrahidratado                                       |                                         |
| 3b302                                      | Carbonato de cobalto (II)                                                    |                                         |
| 3b303                                      | Carbonato-hidróxido de cobalto (II) (2:3) monohidratado                      |                                         |
| 3b304                                      | Carbonato-hidróxido de cobalto (II) granulado recubierto (2:3) monohidratado |                                         |
| 3b305                                      | Sulfato de cobalto (II) heptahidratado                                       |                                         |
| 3b402                                      | Dihidroxycarbonato de cobre (II) monohidratado                               |                                         |
| 3b404                                      | Óxido de cobre (II)                                                          |                                         |

|                               |                                   |                                  |                                                                                              |
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|                                          |                                             |  |
|------------------------------------------|---------------------------------------------|--|
| 3b405                                    | Sulfato de cobre (II) pentahidratado        |  |
| 3b409                                    | Trihidroxicloruro de dicobre (TBCC)         |  |
| 3b502                                    | Óxido de manganeso (II)                     |  |
| 3b503                                    | Sulfato manganoso, monohidratado            |  |
| 3b603                                    | Óxido de zinc                               |  |
| 3b604                                    | Sulfato de zinc heptahidratado              |  |
| 3b605                                    | Sulfato de zinc monohidratado               |  |
| 3b609                                    | Hidroxicloruro de zinc monohidratado (TBZC) |  |
| 3b701                                    | Molibdato de sodio dihidratado              |  |
| 3b801                                    | Selenito de sodio                           |  |
| 3b810, 3b811,<br>3b812, 3b813 y<br>3b817 | Levadura selenizada inactivada              |  |

#### 4. ADITIVOS ZOOTÉCNICOS

| Número de identificación o grupo funcional | Sustancia                                                          | Descripción, condiciones de utilización |
|--------------------------------------------|--------------------------------------------------------------------|-----------------------------------------|
| 4a, 4b, 4c y 4d                            | Enzimas y microorganismos de la categoría "Aditivos zootécnicos"»» |                                         |

#### ANEXO VII. PRODUCTOS DE LIMPIEZA Y DESINFECCIÓN

Productos de limpieza y desinfección de los edificios e instalaciones destinados a la producción Orgánica

- Jabón de potasa y sosa
- Agua y vapor
- Lechada de cal
- Cal
- Cal viva
- Hipoclorito de sodio (por ejemplo, lejía líquida)
- Sosa cáustica - El hidróxido de sodio (NaOH)
- Potasa cáustica
- Peróxido de hidrógeno
- Esencias naturales de plantas
- Ácido cítrico, peracético, fórmico, láctico, oxálico y acético
- Alcohol
- Ácido nítrico (equipo de lechería)
- Ácido fosfórico (equipo de lechería)
- Formaldehído
- Productos de limpieza y desinfección de los pezones y de las instalaciones de ordeño
- Carbonato de sodio

|                                  |                                      |                                     |                                                                                                    |
|----------------------------------|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------------------------|
| Elaboration: William A<br>Flórez | Verification: Ma. Gisela<br>Vescance | Approbation: Gerencia<br>de calidad | Destinatario: Sistema de Calidad,<br>Clientes - Operadores y Autoridades<br>competentes. Sitio WEB |
| Fecha 1a emission:<br>04.09.1997 | Fecha actualización: 07.02.2020      | Version 10                          |                                                                                                    |

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## ANEXO VIII

**Productos y sustancias destinados a la producción de los alimentos ecológicos transformados, levaduras y productos de levadura a que se refieren el artículo 27, apartado 1, letra a), y el artículo 27 bis, letra a)**

### SECCIÓN A — ADITIVOS ALIMENTARIOS, INCLUIDOS LOS EXCIPIENTES

A efectos del cálculo mencionado en el artículo 23, apartado 4, letra a), inciso ii), del Reglamento (CE) no 834/2007, los aditivos alimentarios identificados con un asterisco en la columna del código numérico se considerarán como ingredientes de origen agrario

| Código                        | Denominación             | Preparación de alimentos de       |                        | Condiciones y restricciones específicas además del Reglamento (CE) no 1333/2008                                                                                                                                                                                                                                                                                                                               |
|-------------------------------|--------------------------|-----------------------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                               |                          | origen vegetal                    | origen animal          |                                                                                                                                                                                                                                                                                                                                                                                                               |
| E 153                         | Carbón vegetal           |                                   | X                      | Queso de cabra recubierto de ceniza Queso Morbier                                                                                                                                                                                                                                                                                                                                                             |
| E 170                         | Carbonato de calcio      | X                                 | X                      | No deben utilizarse como colorantes o para el enriquecimiento en calcio de los productos                                                                                                                                                                                                                                                                                                                      |
| E 220                         | Dióxido de azufre        | X                                 | X (solo para aguamiel) | En vinos de fruta (vino elaborado a partir de fruta distinta de la uva, incluidas la sidra y la perada) y aguamiel con y sin azúcar añadido: 100 mg/l (Contenidos máximos disponibles de todos los orígenes, expresados en mg/l de SO2)                                                                                                                                                                       |
| E 223                         | Metabisulfito sódico     |                                   | X                      | Crustáceos                                                                                                                                                                                                                                                                                                                                                                                                    |
| E 224                         | Metabisulfito de potasio | X                                 | X (solo para aguamiel) | En vinos de fruta (vino elaborado a partir de fruta distinta de la uva, incluida la sidra y la perada) y aguamiel con y sin azúcar añadido: 100 mg/l (Contenidos máximos disponibles de todos los orígenes, expresados en mg/l de SO2)                                                                                                                                                                        |
| E250                          | Nitrito de sodio         |                                   | X                      | Para productos cárnicos. Solo se podrá utilizar si se demuestra, a satisfacción de la autoridad competente, que no existe ninguna alternativa tecnológica que ofrezca las mismas garantías y/o permita mantener las características específicas del producto. No en combinación con E252. Cantidad añadida indicativa expresada como NaNO2: 80 mg/kg, cantidad residual máxima expresada como NaNO2: 50 mg/kg |
| E252                          | Nitrato de potasio       |                                   | X                      | Para productos cárnicos. Solo se podrá utilizar si se demuestra, a satisfacción de la autoridad competente, que no existe ninguna alternativa tecnológica que ofrezca las mismas garantías y/o permita mantener las características                                                                                                                                                                           |
| Elaboration: William A Flórez |                          | Verification: Ma. Gisela Vescance |                        | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB                                                                                                                                                                                                                                                                                                                  |
| Fecha 1a emission: 04.09.1997 |                          | Fecha actualization: 07.02.2020   |                        |                                                                                                                                                                                                                                                                                                                                                                                                               |
|                               |                          | Approbation: Gerencia de calidad  |                        |                                                                                                                                                                                                                                                                                                                                                                                                               |
|                               |                          | Version 10                        |                        |                                                                                                                                                                                                                                                                                                                                                                                                               |



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|           |                              |   |                        |                                                                                                                                                                                                                                                             |
|-----------|------------------------------|---|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                              |   |                        | específicas del producto. No en combinación con E250. Cantidad añadida indicativa expresada como NaNO <sub>3</sub> : 80 mg/kg, cantidad residual máxima expresada como NaNO <sub>3</sub> : 50 mg/kg                                                         |
| E 270     | Ácido láctico                | X | X                      |                                                                                                                                                                                                                                                             |
| E 290     | Dióxido de carbono           | X | X                      |                                                                                                                                                                                                                                                             |
| E 296     | Ácido málico X               | X |                        |                                                                                                                                                                                                                                                             |
| E 300     | Ácido ascórbico              | X | X                      | Con respecto a los productos alimenticios de origen animal: Productos cárnicos                                                                                                                                                                              |
| E 301     | Ascorbato de sodio           |   | X                      | Con respecto a los productos alimenticios de origen animal: Productos cárnicos en combinación con nitritos y nitratos                                                                                                                                       |
| E 306(*)  | Extracto rico en tocoferoles | X | X                      | Antioxidante                                                                                                                                                                                                                                                |
| E 322(*)  | Lecitinas                    | X | X                      | Con respecto a los productos alimenticios de origen animal: Productos lácteos. Única únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022. Hasta esa fecha, únicamente cuando procedan de materias primas ecológicas |
| E 325     | Lactato de sodio             |   | X                      | Productos lácteos y productos cárnicos                                                                                                                                                                                                                      |
| E 330     | Ácido cítrico                | X | X                      |                                                                                                                                                                                                                                                             |
| E 331     | Citratos de sodio            | X | X                      |                                                                                                                                                                                                                                                             |
| E 333     | Citratos de calcio           | X |                        |                                                                                                                                                                                                                                                             |
| E 334     | Ácido tartárico [L(+)-]      | X | X (solo para aguamiel) | Con respecto a los productos alimenticios de origen animal: Aguamiel                                                                                                                                                                                        |
| E 335     | Tartratos de sodio           | X |                        |                                                                                                                                                                                                                                                             |
| E 336     | Tartratos de potasio         | X |                        |                                                                                                                                                                                                                                                             |
| E 341 (i) | Fosfato monocalcico          | X |                        | Gasificante para harina fermentante                                                                                                                                                                                                                         |
| E 392*    | Extractos de Romero          | X | X                      | Únicamente cuando procedan de la producción ecológica                                                                                                                                                                                                       |
| E 400     | Ácido alginico               | X | X                      | Con respecto a los productos alimenticios de origen animal: productos lácteos                                                                                                                                                                               |
| E 401     | Alginato de sodio            | X | X                      | Con respecto a los productos alimenticios de origen animal: productos lácteos                                                                                                                                                                               |
| E 402     | Alginato de potasio          | X | X                      | Con respecto a los productos alimenticios de origen animal: productos lácteos                                                                                                                                                                               |
| E 406     | Agar                         | X | X                      | Con respecto a los productos alimenticios de origen animal: productos lácteos y productos cárnicos                                                                                                                                                          |
| E 407     | Carragenina                  | X | X                      | Con respecto a los productos alimenticios de origen animal: productos lácteos                                                                                                                                                                               |
| E 410*    | Goma garrofín                | X | X                      | Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022.                                                                                                                                                                |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
| Fecha 1a emission: 04.09.1997 | Fecha actualizacion: 07.02.2020   | Version 10                       |                                                                                              |

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|            |                              |   |   |                                                                                                                                                                                                                                            |
|------------|------------------------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| E 412*     | Goma guar                    | X | X | Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022.                                                                                                                                               |
| E 414*     | Goma arábica                 | X | X | Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022.                                                                                                                                               |
| E 415      | Goma xantana                 | X | X |                                                                                                                                                                                                                                            |
| E 417      | Goma tara en polvo           | X | X | Espesasante Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022.                                                                                                                                   |
| E 418      | Goma gellan                  | X | X | Únicamente con un índice elevado de acilo Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022.                                                                                                     |
| E 422      | Glicerol                     | X | X | Únicamente de origen vegetal Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022. Para extractos vegetales, aromas, humectantes en cápsulas de gel y como recubrimiento superficial de comprimidos |
| E 440 (i)* | Pectina                      | X | X | Con respecto a los productos alimenticios de origen animal: productos lácteos                                                                                                                                                              |
| E 464      | Hidroxipropil-metil-celulosa | X | X | Material de encapsulado para cápsulas                                                                                                                                                                                                      |
| E 500      | Carbonatos de sodio          | X | X |                                                                                                                                                                                                                                            |
| E 501      | Carbonatos de potasio        | X |   |                                                                                                                                                                                                                                            |
| E 503      | Carbonatos de amonio         | X |   |                                                                                                                                                                                                                                            |
| E 504      | Carbonatos de magnesio       | X |   |                                                                                                                                                                                                                                            |
| E 509      | Cloruro de calcio            |   | X | Coagulante de leche                                                                                                                                                                                                                        |
| E 516      | Sulfato de calcio            | X |   | Excipiente                                                                                                                                                                                                                                 |
| E 524      | Hidróxido de sodio           | X |   | Tratamiento superficial de "Laugengebäck" y corrección de la acidez en los aromas ecológicos                                                                                                                                               |
| E 551      | Dióxido de silicio           | X | X | Para las hierbas y especias en forma de polvo seco, aromas y propóleo                                                                                                                                                                      |
| E 553b     | Talco                        | X | X | Con respecto a los productos alimenticios de origen animal: tratamiento de superficie de embutidos                                                                                                                                         |
| E 901      | Cera de abejas               | X |   | Únicamente como agente de recubrimiento para productos de confitería. Cera de abejas de la apicultura ecológica                                                                                                                            |
| E 903      | Cera carnauba                | X |   | Como agente de recubrimiento para productos de confitería Como método atenuante para el tratamiento frigorífico extremo obligatorio de la fruta como medida                                                                                |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
| Fecha 1a emission: 04.09.1997 | Fecha actualizacion: 07.02.2020   | Version 10                       |                                                                                              |

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|-------|-----------|---|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|       |           |   |   | de cuarentena contra organismos nocivos [Directiva de Ejecución (UE) 2017/1279 de la Comisión] (1) Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022. Hasta esa fecha, únicamente cuando procedan de materias primas ecológicas. |
| E 938 | Argón     | X | X |                                                                                                                                                                                                                                                                            |
| E 939 | Helio     | X | X |                                                                                                                                                                                                                                                                            |
| E 941 | Nitrógeno | X | X |                                                                                                                                                                                                                                                                            |
| E 948 | Oxígeno   | X | X |                                                                                                                                                                                                                                                                            |
| E 968 | Eritritol | X | X | Únicamente si deriva de la producción ecológica sin utilizar tecnología de intercambio de iones                                                                                                                                                                            |

(1) Directiva de Ejecución (UE) 2017/1279 de la Comisión, de 14 de julio de 2017, por la que se modifican los anexos I a V de la Directiva 2000/29/CE del Consejo, relativa a las medidas de protección contra la introducción en la Comunidad de organismos nocivos para los vegetales o productos vegetales y contra su propagación en el interior de la Comunidad (DO L 184 de 15.7.2017, p. 33).

## SECCIÓN B — COADYUVANTES TECNOLÓGICOS Y OTROS PRODUCTOS QUE PUEDEN UTILIZARSE PARA LA TRANSFORMACIÓN DE INGREDIENTES DE ORIGEN AGRARIO DERIVADOS DE LA PRODUCCIÓN ECOLÓGICA

| Denominación                          | Elaboración de todos los productos alimenticios de origen vegetal | Elaboración de todos los productos alimenticios de origen animal | Condiciones y restricciones específicas además del Reglamento (CE) no 1333/2008 |
|---------------------------------------|-------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------|
| Agua                                  | X                                                                 | X                                                                | Agua potable con arreglo a la Directiva 98/83/CE del Consejo                    |
| Cloruro de calcio                     | X                                                                 |                                                                  | Coagulante                                                                      |
| Carbonato de calcio                   | X                                                                 |                                                                  |                                                                                 |
| Hidróxido de calcio                   | X                                                                 |                                                                  |                                                                                 |
| Sulfato de calcio                     | X                                                                 |                                                                  |                                                                                 |
| Cloruro de magnesio (o nigari)        | X                                                                 |                                                                  |                                                                                 |
| Carbonato de potasio                  | X                                                                 |                                                                  |                                                                                 |
| Carbonato de sodio                    | X                                                                 | X                                                                |                                                                                 |
| Ácido láctico                         |                                                                   | X                                                                |                                                                                 |
| Ácido láctico L(+) de la fermentación | X                                                                 |                                                                  |                                                                                 |

|                               |                                   |                                  |                                                                                              |
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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
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|                                                           |   |   |                                                                                                                                                                                                                                |
|-----------------------------------------------------------|---|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ácido cítrico                                             | X | X |                                                                                                                                                                                                                                |
| Hidróxido de sodio                                        | X |   |                                                                                                                                                                                                                                |
| Ácido sulfúrico                                           | X | X |                                                                                                                                                                                                                                |
| Extracto de lúpulo                                        | X |   |                                                                                                                                                                                                                                |
| Extracto de colofonia                                     | X |   | Con respecto a los productos alimenticios de origen vegetal: únicamente con fines antimicrobianos en la producción de azúcar. Cuando esté disponible a partir de la producción ecológica                                       |
| Ácido clorhídrico                                         |   | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina; para regular el pH del baño de salmuera en la transformación de los quesos Gouda, Edam y Maasdammer, Boerenkaas, Friese y Leidse Nagelkaas |
| Hidróxido de amonio                                       |   | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina                                                                                                                                             |
| Peróxido de hidrógeno                                     |   | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina                                                                                                                                             |
| Dióxido de carbono                                        | X | X |                                                                                                                                                                                                                                |
| Nitrógeno                                                 | X | X |                                                                                                                                                                                                                                |
| Etanol                                                    | X | X | Disolvente                                                                                                                                                                                                                     |
| Ácido tánico                                              | X |   | Coadyuvante de filtración                                                                                                                                                                                                      |
| Albúmina de huevo                                         | X |   |                                                                                                                                                                                                                                |
| Caseína                                                   | X |   |                                                                                                                                                                                                                                |
| Gelatina                                                  | X |   |                                                                                                                                                                                                                                |
| Cola de pescado                                           | X |   |                                                                                                                                                                                                                                |
| Aceites vegetales                                         | X | X | Agente engrasante, desmoldeador o antiespumante. Únicamente cuando procedan de la producción ecológica                                                                                                                         |
| Dióxido de silicio en forma de gel o de solución coloidal | X |   |                                                                                                                                                                                                                                |
| Carbón activado                                           | X |   |                                                                                                                                                                                                                                |
| Talco                                                     | X |   | Con arreglo a los criterios específicos de pureza del aditivo alimentario E 553b                                                                                                                                               |
| Bentonita                                                 | X | X | Con respecto a los productos alimenticios de origen animal: como adhesivo para aguamiel                                                                                                                                        |
| Celulosa                                                  | X | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina                                                                                                                                             |
| Tierra de diatomeas                                       | X | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina                                                                                                                                             |
| Perlita                                                   | X | X | Con respecto a los productos alimenticios de origen animal: producción de gelatina                                                                                                                                             |
| Cáscaras de avellana                                      | X |   |                                                                                                                                                                                                                                |
| Harina de arroz                                           | X |   |                                                                                                                                                                                                                                |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
| Fecha 1a emission: 04.09.1997 | Fecha actualización: 07.02.2020   | Version 10                       |                                                                                              |

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| Cera de abejas          | X |   | Desmoldeador. Cera de abejas de la apicultura ecológica                                                                                                                                                                                                      |
| Cera de carnauba        | X |   | Desmoldeador. Únicamente cuando derivan de la producción ecológica. Aplicable desde el 1 de enero de 2022. Hasta esa fecha, únicamente cuando procedan de materias primas ecológicas.                                                                        |
| Vinagre o ácido acético |   | X | Únicamente cuando derivan de la producción ecológica. Únicamente para la transformación del pescado. Resultante de la fermentación natural. No puede ser producido por o a partir de OMG.                                                                    |
| Clorhidrato de tiamina  | X | X | Únicamente para utilización en la preparación de vinos de fruta, incluida la sidra y la perada y el aguamiel                                                                                                                                                 |
| Fosfato diamónico       | X | X | Únicamente para utilización en la preparación de vinos de fruta, incluida la sidra y la perada y el aguamiel                                                                                                                                                 |
| Fibra de madera         | X | X | El origen de la madera debería estar limitado al producto certificado como cosechado de forma sostenible. La madera utilizada no debe contener componentes tóxicos (tratamiento tras la cosecha, toxinas naturales u obtenidas a partir de microorganismos). |

## SECCIÓN C — COADYUVANTES TECNOLÓGICOS PARA LA PRODUCCIÓN DE LEVADURA Y PRODUCTOS DE LEVADURA

| Denominación       | Levadura primaria | Mezcla/formulación de levaduras | Condiciones específicas                                                                                 |
|--------------------|-------------------|---------------------------------|---------------------------------------------------------------------------------------------------------|
| Cloruro de calcio  | X                 |                                 |                                                                                                         |
| Dióxido de carbono | X                 | X                               |                                                                                                         |
| Ácido cítrico      | X                 |                                 | Para regular el pH en la producción de levadura                                                         |
| Ácido láctico      | X                 |                                 | Para regular el pH en la producción de levadura                                                         |
| Nitrógeno          | X                 | X                               |                                                                                                         |
| Oxígeno            | X                 | X                               |                                                                                                         |
| Fécula de patata   | X                 | X                               | Para el filtrado Únicamente cuando procedan de la producción ecológica                                  |
| Carbonato de sodio | X                 | X                               | Para regular el pH                                                                                      |
| Aceites vegetales  | X                 | X                               | Agente engrasante, desmoldeador o antiespumante Únicamente cuando procedan de la producción ecológica»» |

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| Elaboration: William A Flórez | Verification: Ma. Gisela Vescance | Approbation: Gerencia de calidad | Destinatario: Sistema de Calidad, Clientes - Operadores y Autoridades competentes. Sitio WEB |
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## ANEXO VIII bis

### Productos y sustancias autorizados para su uso o adición en los productos ecológicos del sector del vino a los que se hace referencia en el artículo 29 *quater*

| Tipo de tratamiento de conformidad con el anexo I A del Reglamento (CE) no 606/2009     | Nombre de los productos o sustancias                                                                                                                                            | Condiciones específicas, restricciones dentro de los límites y condiciones establecidas en el Reglamento (CE) no 1234/2007 y en el Reglamento (CE) no 606/2009                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Punto 1: Uso para aireación u oxigenación                                               | — Aire<br>— Oxígeno gaseoso                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Punto 3: Centrifugación y filtración                                                    | — Perlita<br>— Celulosa<br>— Tierra de diatomeas                                                                                                                                | Uso exclusivo como coadyuvante de filtración inerte                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Punto 4: Uso para crear una atmósfera inerte y manipular el producto protegido del aire | — Nitrógeno<br>— Anhídrido carbónico (también llamado dióxido de carbono)<br>— Argón                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Puntos 5, 15 y 21: Uso                                                                  | — Levaduras (1), paredes celulares de levaduras                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Punto 6: Uso                                                                            | — Fosfato de diamonio<br>— Clorhidrato de tiamina<br>— Autolisados de levadura                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Punto 7: Uso                                                                            | — Anhídrido sulfuroso (también llamado dióxido de azufre)<br>— Bisulfito de potasio o metabisulfito de potasio (también llamados disulfito de potasio o pirosulfito de potasio) | a) El contenido máximo de anhídrido sulfuroso no superará los 100 miligramos por litro en los vinos tintos a los que se refiere el anexo I.B, parte A, punto 1, letra a), del Reglamento (CE) no 606/2009 con un contenido de azúcar residual inferior a 2 gramos por litro. b) El contenido máximo de anhídrido sulfuroso no superará los 150 miligramos por litro en los vinos blancos y rosados a los que se hace referencia en el anexo I.B, parte A, punto 1, letra b), del Reglamento (CE) no 606/2009 con un contenido de azúcar residual inferior a 2 gramos por litro. c) Para todos los demás vinos, se reducirá en 30 mg por litro el contenido máximo de anhídrido sulfuroso aplicado de acuerdo con el anexo I.B del Reglamento (CE) no 606/2009 el 1 de agosto de 2010. |
| Punto 9: Uso                                                                            | — Carbones de uso enológico                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Punto 10: Clarificación                                                                 | — Gelatina alimentaria (2)<br>— Materias proteicas de origen vegetal procedentes de trigo o guisantes (2)<br>— Cola de pescado (2)<br>— Albúmina de huevo (2)                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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|                                                                                                                     | — Taninos (2)<br>— Proteínas de patata (2)<br>— Extractos proteicos de levadura (2)<br>— Caseína<br>— Quitosano derivado de <i>Aspergillus niger</i><br>— Caseinatos de potasio<br>— Dióxido de silicio<br>— Bentonita<br>— Enzimas pectolíticas |                                                                   |
| Punto 12: Uso para la acidificación                                                                                 | — Ácido láctico<br>— Ácido L(+) tartárico                                                                                                                                                                                                        |                                                                   |
| Punto 13: Uso para la desacidificación                                                                              | — Ácido L(+) tartárico<br>— Carbonato de calcio<br>— Tartrato neutro de potasio<br>— Bicarbonato de potasio                                                                                                                                      |                                                                   |
| Punto 14: Adición                                                                                                   | — Resina de pino carrasco                                                                                                                                                                                                                        |                                                                   |
| Punto 17: Uso                                                                                                       | — Bacterias lácticas                                                                                                                                                                                                                             |                                                                   |
| Punto 19: Adición                                                                                                   | — Ácido L-ascórbico                                                                                                                                                                                                                              |                                                                   |
| Punto 22: Uso para burbujeo                                                                                         | — Nitrógeno                                                                                                                                                                                                                                      |                                                                   |
| Punto 23: Adición                                                                                                   | — Dióxido de carbono                                                                                                                                                                                                                             |                                                                   |
| Punto 24: Adición para la estabilización del vino                                                                   | — Ácido cítrico                                                                                                                                                                                                                                  |                                                                   |
| Punto 25: Adición                                                                                                   | — Taninos (2)                                                                                                                                                                                                                                    |                                                                   |
| Punto 27: Adición                                                                                                   | — Ácido metatartárico                                                                                                                                                                                                                            |                                                                   |
| Punto 28: Uso                                                                                                       | — Goma acacia (2) (= goma arábiga)                                                                                                                                                                                                               |                                                                   |
| Punto 30: Uso                                                                                                       | — Bitartrato de potasio                                                                                                                                                                                                                          |                                                                   |
| Punto 31: Uso                                                                                                       | — Citrato de cobre                                                                                                                                                                                                                               |                                                                   |
| Punto 35: Uso                                                                                                       | — Manoproteínas de levadura                                                                                                                                                                                                                      |                                                                   |
| Punto 38: Uso                                                                                                       | — Virutas de madera de roble                                                                                                                                                                                                                     |                                                                   |
| Punto 39: Uso                                                                                                       | — Alginato de potasio                                                                                                                                                                                                                            |                                                                   |
| Punto 44: Uso                                                                                                       | — Quitosano derivado de <i>Aspergillus niger</i>                                                                                                                                                                                                 |                                                                   |
| Punto 51: Uso                                                                                                       | — Levadura inactivada                                                                                                                                                                                                                            |                                                                   |
| Tipo de tratamiento de conformidad con el anexo III, punto A, apartado 2, letra b), del Reglamento (CE) no 606/2009 | — Sulfato cálcico                                                                                                                                                                                                                                | Únicamente para el "vino generoso" o el "vino generoso de licor»" |

(1) Para las diferentes cepas de levaduras: derivadas de materias primas ecológicas, si están disponibles. (2) Derivados de materias primas ecológicas, si están disponibles.

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## ANEXO IX. INGREDIENTES DE ORIGEN AGRARIO QUE NO HAN SIDO PRODUCIDOS ECOLÓGICAMENTE

### 1. PRODUCTOS VEGETALES SIN TRANSFORMAR Y PRODUCTOS DERIVADOS DE ELLOS MEDIANTE TRANSFORMACIÓN

#### 1.1. Frutas y frutos secos comestibles:

- Bellotas Quercus spp.
- Nuez de Kola Cola acuminata
- Grosellas espinosas Ribes uva-crispa
- Fruta de la pasión Passiflora edulis
- Frambuesa (desecada) Rubus idaeus
- Grosella roja (desecada) Ribes rubrum

#### 1.2. Plantas aromáticas y especias comestibles:

- Pimienta (del Perú) Schinus molle L.
- Simiente de rábano picante Armoracia rusticana
- Galanga Alpinia officinarum
- Flores de cártamo Carthamus tinctorius
- Berro de fuente Nasturtium officinale

#### 1.3. Varios:

Algas, incluidas las marinas, autorizadas en la preparación de productos alimenticios no ecológicos.

### 2. PRODUCTOS VEGETALES

#### 2.1 Grasas y aceites, refinados o no, aunque no modificados químicamente, obtenidos de vegetales que no sean:

- Cacao Theobroma cacao
- Coco Cocos nucifera
- Olivo Olea europea
- Girasol Helianthus annuus
- Palma Elaeis guineensis
- Colza Brassica napus, rapa
- Cártamo Carthamus tinctorius
- Sésamo Sesamum indicum
- Soja Glycine max

#### 2.2 Los siguientes azúcares, almidones y otros productos de cereales y tubérculos:

- Fructosa
- Papel de arroz
- Hoja de pan ácimo
- Almidón de arroz y maíz de cera, no modificados químicamente.

#### 2.3 Varios:

- Proteína de guisante Pisum spp.
- Ron obtenido exclusivamente a partir de zumo de caña de azúcar

### 3. PRODUCTOS DE ORIGEN ANIMAL

Organismos acuáticos, que no tengan su origen en la acuicultura, autorizados en la preparación de productos alimenticios sin certificar

- Gelatina
- Suero lácteo en polvo «herasuola»

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## ANEXO X

Especies para las que hay disponibles en suficientes cantidades y para un número relevante de variedades en semillas o material de reproducción de siembra producidas por el método ecológico, a que se refiere el artículo 6.

## CHANGES REGARDING THE PREVIOUS DOCUMENT

This STANDARD is reviewed annually and submitted to the SURVEILLANCE AND FAIRNESS COMMITTEE, modifications or reforms are taken into account and arranged. The regulatory references used to prepare this standard are mentioned on page No. 1 (Available for consideration by the European Community Commission for equivalency review), under the evaluation and accreditation of IOAS. The name of the Standard is "EBP-BT001 / 1997.

| Number | Change                                                                                | Reason for change                                                                                                                                  | Exchange rate                                                                                                          | Entry into force |
|--------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|------------------|
| 1      | Article 41. 2                                                                         | Adjustments are made for better understanding and equivalence                                                                                      | The obligation to use the trace elements and others is placed as required by the competent authority, for the product. | 28.04.2020       |
| 2      | Article 41.1. h)                                                                      | The word transformation is complemented so that the information to allow equivalence                                                               |                                                                                                                        | 28.04.2020       |
| 3      | ARTICLE 48.1. Packaging and transportation of products to units or other operators.   | It is included and clarifies that operators must ensure that organic products are transported to other units, including wholesalers and retailers. | The importance of maintaining a label in accordance with the regulations in Europe and by the authority is included.   | 28.04.2020       |
| 4      | CHAPTER IV, V, AND ARTICLES 42 UNTIL 43 and ARTICLE 46.1. Animal production labeling. | LIVESTOCK PRODUCTION CHAPTERS It is clear that no they are considered for equivalence and avoid confusion when presenting this standard            | To avoid confusion during the review before the supervisory authority and the EC.                                      | 28-04.2020       |
| 5      | Definitions                                                                           | They were not equivalent to those described in R. 834/2007 and R. 889/2008 CE.                                                                     | It is ensured that the definitions fully coincide with those of EC Regulations No. 834/2007 and EC No. 889/2008.       | 16.04.2020       |

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| 6  | ARTICLE 14.2.1. Exceptional production standards (new) | BIOTROPICO will present the emergency measures without delay for its control.<br>2. Exceptions will consider something to be a catastrophic situation only when the relevant authorities officially determine it.                                                                  | Art. 14.2                                                              | 16.04.2020 |
| 7  | ARTICLE 45.1. Control measures                         | In relation to the operations that have been subcontracted with third parties, the operator will prepare and subsequently maintain the list of subcontractors                                                                                                                      | art. 45.1                                                              | 16.04.2020 |
| 8  | ARTICLE 2. Field of Application                        | Use of reference that are not equivalent                                                                                                                                                                                                                                           | The annotation of the CAN (Andean Community of Nations) is eliminated  | 16.04.2020 |
| 9  | ARTICLE 65. Exchange Information.                      | Adjust the sentences with the word must.                                                                                                                                                                                                                                           | The word must and its derivatives are introduced                       | 16.04.2020 |
| 10 | ARTICLE 14.h                                           | Adjust the sentences with the word must.                                                                                                                                                                                                                                           | The word must and its derivatives are introduced                       | 16.04.2020 |
| 11 | ARTICLE 3.2. Parallel production                       | (exception measures) A producer may have organic and non-organic production units on the same area as long as.                                                                                                                                                                     | art. 3.2                                                               | 16.04.2020 |
| 12 | ARTICLE 6. Seeds                                       | Use of words that can lead to error                                                                                                                                                                                                                                                | Reference is made to that BIOTROPICO may                               | 16.04.2020 |
| 13 | ARTICLE 42.4                                           | Lack of obligation                                                                                                                                                                                                                                                                 | Adjustment is made to the obligation                                   | 16.04.2020 |
| 14 | Definitions                                            | Some definitions are not in line with EU law                                                                                                                                                                                                                                       | Definition of: Ecological Production - Operator,                       | 7.02.2020  |
| 15 | Annexes I, II, VI, VIII and VIII bis                   | Update in accordance with Regulation EU 2164 - 2019                                                                                                                                                                                                                                | The list of equivalent substances is taken - Regulation EU 2164 - 2019 | 7.02.2020  |
| 16 | Introduction                                           | Clarification: This Standard has no application for equivalence with EC Regulations No. 834/2007 and No. 889/2008, with respect to animal production (category B), chapters IV and V (articles 15 to 40), and processed foods for animals (category E), articles 42, 42.1, and 43. | To avoid confusion (deception).                                        | 7.02.2020  |
| 17 | ARTICLE 2. FIELD OF APPLICATION                        | This Standard applies throughout the territory of Colombia (and DECISION CAN 506). CAN means ANDEAN COMMUNITY OF NATIONS and is a treaty that exists between the Andean nations (Colombia, Ecuador, Peru, Bolivia and Venezuela)                                                   | Explanatory                                                            | 7.02.2020  |

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| 18 | ARTICLE 3                                            | Any farm that begins to engage in organic production will be subject to the following rules:<br>a) the conversion period<br>b) application of all standards<br>c) define conversion periods<br>d) Parallel production - will keep the products obtained ecologically and the products obtained during the conversion phase, | prohibited.                                                  | 7.02.2020 |
| 19 | ARTICLE 3.1.                                         | Hydroponic production is prohibited.                                                                                                                                                                                                                                                                                        | prohibited.                                                  | 7.02.2020 |
| 20 | ARTICLE 3.2.                                         | Parallel production: When applicable, a producer may have organic and non-organic production units on the same surface.                                                                                                                                                                                                     | Early                                                        | 7.02.2020 |
| 21 | ARTICLE 6                                            | BIOTROPIC, you must authorize the use of propagation and reproduction material of non-ecological origin.                                                                                                                                                                                                                    | The impossibility of obtaining in the market.                | 7.02.2020 |
| 22 | ARTICLE 14.c                                         | Specify the date on which they were last applied on the parcels (farms) -                                                                                                                                                                                                                                                   | Conversion period (set status)                               | 7.02.2020 |
| 23 | ARTICLE 14.h                                         | The Operator must accept, in case of infringement or irregularities, the forced application of the measures of the ecological production rules; the Operator will also sign said report and take the appropriate corrective measures.                                                                                       | duty                                                         | 7.02.2020 |
| 24 | ARTICLE 14.i                                         | He shall undertake to inform the purchasers of the product in writing in order to ensure that the indications regarding the organic production method are removed from said production.                                                                                                                                     | duty                                                         | 7.02.2020 |
| 25 | ARTICLE 14.2. Exceptional production standards (New) | 1. BIOTROPICO may, in accordance with the procedure indicated in article 37 of EU R 834/2007, section 2, and respecting the objectives and principles established in title II, order the granting of exceptions to the production rules established in the chapters 1 to 4 of R 834/2007 EU.                                | Identify the scope to provide for the granting of exceptions | 7.02.2020 |
| 26 | ARTICLE 41.1.h                                       | A stock register and a financial record must be kept in the unit or premises, including the case of operators that do not store or physically handle such organic products, the nature and quantities of organic products that have been bought and sold, and the suppliers .                                               | Warranty                                                     | 7.02.2020 |
| 27 | ARTICLE 41.1, 1g                                     | It will store organic products, before and after operations, physically or over time separated from non-organic products;                                                                                                                                                                                                   | Product quality assurance                                    | 7.02.2020 |

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| 28 | ARTICLE 41.8                        | Precautionary measures will be taken to avoid the risk of contamination caused by unauthorized substances or products.                                                                                                                                                                                                                                                  | Product quality assurance                                                                                 | 7.02.2020  |
| 29 | ARTICLE 41.8                        | Adequate cleaning measures will be applied, will monitor their effectiveness and will keep a record of such operations.                                                                                                                                                                                                                                                 | Product quality assurance                                                                                 | 7.02.2020  |
| 30 | ARTICLE 41.2                        | The use of minerals (including trace elements), vitamins, amino acids and micronutrients is authorized.                                                                                                                                                                                                                                                                 | Authorized only to the extent that the regulations make their use mandatory.                              | 7.02.2020  |
| 31 | ARTICLE 42.4                        | Additives, technological aids and other substances and ingredients used for the transformation of animal feed and all the transformation practices used must respect the principles of organic production and good manufacturing practices.                                                                                                                             | Respect for organic production                                                                            | 7.02.2020  |
| 32 | ARTICLE 45.1.<br>Medidas de control | In relation to the operations that have been subcontracted with third parties, the full description mentioned in Article 63 (1), letter a - Title V of Regulation (EC) No 834/2007;                                                                                                                                                                                     | Legal                                                                                                     | 7.02.2020  |
| 33 | ARTICLE 46.                         | The EU logo (R. 834/2007) of organic production may be used in the labeling, presentation and advertising of products that meet the requirements established in this standard.                                                                                                                                                                                          | LABELLED                                                                                                  | 7.02.2020  |
| 34 | ARTICLE 46.1, 2.                    | Regarding processed food, the terms may be used.                                                                                                                                                                                                                                                                                                                        | LABELLED                                                                                                  | 7.02.2020  |
| 35 | ARTICLE 46.1, 1.                    | Use of terms referring to organic production. For the purposes of this Standard, a product shall be considered to include terms that refer to the organic production method when, in the labeling, advertising or commercial documents, the product, its ingredients or raw materials for animal feed are described in terms that suggest to the buyer than the product | its ingredients or raw materials for animal feed                                                          | 7.02.2020  |
| 36 | ARTICLE 51.1.                       | In the unit or premises, a stock register and a financial record must be kept so that the operator and the BIOTROPICO Certifier, or the control authority, can, respectively, identify and verify.                                                                                                                                                                      | Documented accounting                                                                                     | 7.02.2020  |
| 37 | BT001v9 Abr. 2019<br>Art. 6 Seeds   | In the previous standard one does not define that the permission of use of seed must be granted before planting the crop (889.45.6)                                                                                                                                                                                                                                     | It is added in this paragraph, in the 2 <sup>nd</sup> line, before carrying out the planting of the crop. | 09.04.2019 |

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| 38 | BT001 v9 Abr. 2019<br>Art. 41 General production norms of transformed certified foods | Enzymes used as additives in foods must appear in Annex VIII A, not in Annex IX. (889.27.1.v)                                                                                                                                 | Added in Article 41, 7 the following: In case of using enzymes as additives, they must be only the ones listed in Annex VIII.                                                                                                                                                                                                                                                                      | 09.04.2019 |
| 39 | BT001 v9 Abr 2019<br>Art. 62 Responsibilities of Certifier                            | Requirements for: G8.4 and G8.18.<br>The larger farms (with external certification cost less than 2% of their business volume) may also belong to the group, but must be inspected annually by the external control organism. | Added in chapter 12, Art. 62, the following: In the case of operators with larger farms (with external certification cost less than 2% of their business volume) may also belong to the group, but must be inspected annually by BT, checking each one of the units subject to the evaluation regime, verifying mainly on-site traceability and recording accomplishment of established conditions | 09.04.2019 |
| 40 | BT001v09/Nov 2018                                                                     | Update the Norm conforming REGULATION OF EXECUTION (EU) 2018/1584 OF THE COMMISSION Oct 22/2018                                                                                                                               | Announced as follows                                                                                                                                                                                                                                                                                                                                                                               | 1.11.2018  |
| 41 | BT001v09/Nov 2018<br>- Art. 4.2 General norms on production of organic yeast.         | Conforming to Norm OF EXECUTION (EU) 2018/1584 OF THE COMMISSION Oct 22/2018.<br>Generalize that microorganisms and enzymes may be used in the measure that they have been authorized for use in organic production.          | Microorganism and enzymes may be used in the measure that they have been authorized for use in organic production.                                                                                                                                                                                                                                                                                 | 1.11.2018  |
| 42 | BT001 v 9. Nov. 2018 Art. 6 Seeds                                                     | Need for some vegetable seeds that must be imported (non-viable sexual seeds)                                                                                                                                                 | Permission to use non-organic seeds for planting must be done yearly or by planting cycle. Considering that there are seeds of vegetables that cease to be viable in tropical zones. They must be mostly imported.                                                                                                                                                                                 | 1.11.2018  |
| 43 | BT001v9. Nov.2018<br>Art. 22 NUTRITION. I)                                            | Conforming to Norm of Execution (EU) 2018/1584 of the Commission Oct 22/2018                                                                                                                                                  | For daily rations of pigs and poultry, may be used 5% max. of non-organic protein feeds for 12-month period valid for 2018, 2019, 2020.                                                                                                                                                                                                                                                            | 1.11.2018  |

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| 44 | BT001v9. Nov.2018<br>Art. 41                                                                                                                                                               | Conforming to Norm of Execution (EU) 2018/1584 of the Commission Oct 22/2018                                                                 | 2. The use of minerals (including trace elements), vitamins, amino-acids, and micro-nutrients is authorized in the transformation of organic food products only in the measure in which the normativity makes their use mandatory in the food products that they are incorporated into.<br>2.2 Operators that use non-organic products of those categories purchasing them from third parties, will demand from the supplier a confirmation that the products provided have not been obtained starting from or by means of GMOs. | 1.11.2018  |
| 45 | BT001v9. Nov.2018<br>Art. 46 Labeling                                                                                                                                                      | Identification of packaged or prepackaged products (raw materials). R. (CEE) 834/2007 Art. 23 1 Use of terms referring to organic production | Packaged and prepacked products covered by this standard, must bear printed, in visible place, at least the following texts:                                                                                                                                                                                                                                                                                                                                                                                                     | 1.11.2018  |
| 46 | BT001v9. Nov.2018<br>Substances of plant or animal origin<br>2. Microorganisms or substances produced by microorganisms<br>3. Substances differed from those mentioned in sections 1 and 2 | Annex II: Conforming to Norm of Execution (EU) 2018/1584 of the Commission Oct 22/2018                                                       | Maintain the equivalence of the permitted substances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.11.2018  |
| 47 | BT001v9. Nov.2018                                                                                                                                                                          | Annex VIII: Conforming to Norm of Execution (EU) 2018/1584 of the Commission Oct 22/2018                                                     | Maintain the equivalence of the permitted substances.                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 1.11.2018  |
| 48 | Chapter definition II                                                                                                                                                                      | The definition of production unit is modified and the concept is extended                                                                    | Changes according to amendments to EU Regulations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30.11.2017 |
| 49 | Article 14.1.                                                                                                                                                                              | Paragraph 1 of ARTICLE 14.1 is deleted and changed. on Measures in case of suspected infringement or irregularities                          | Changes according to amendments to EU Regulations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 30.11.2017 |

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|  | <b>STANDARD OF GOOD PRACTICES IN<br/>ECOLOGICAL PRODUCTION</b>   |  | EBP-BT001 / 1997       |
|                                                                                   | <b>CERTIFICATION SCHEME OF LIVESTOCK<br/>OF ORGANIC PRODUCTS</b> |  | <i>Página 83 de 86</i> |

|    |                        |                                                                                                                                                                                             |                                                        |            |
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| 50 | Article 29.1.          | Paragraph 1 of ARTICLE 29.1 is deleted on Measures in case of suspected infringement or irregularities                                                                                      | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 51 | Article 40.            | Paragraph 1 of ARTICLE 40 is deleted. MINIMUM RECORDS AND REQUIREMENTS.                                                                                                                     | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 52 | Article 41.1.          | D) is introduced... .. the NTC / ISO 22000 or Resolution 2674/2013 (Colombia)                                                                                                               | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 53 | Artículo 41.1.         | Article 41.1. Paragraph 4 of the ARTICLE is deleted<br>41.1. General requirements                                                                                                           | Cambios según las enmiendas a los reglamentos de la UE | 30.11.2017 |
| 54 | Article 44             | ALL ARTICLE 44 on Fibers, handicrafts and textiles, from ecological raw material is eliminated and automatically replaced                                                                   | Clarification                                          | 30.11.2017 |
| 55 | Article 46             | The section "Conditions applicable to the use of the numeric code and place of origin" is introduced to ARTICLE 46 LABELING                                                                 | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 56 | Article Number 5 47.   | It is updated as follows: "The Certification Director issues the Decision                                                                                                                   | Changes according to amendments to EU                  | 30.11.2017 |
| 57 | Article 51,1           | The paragraph of Article 51.1 is deleted                                                                                                                                                    | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 58 | Article 51             | The PARAGRAPH Supporting documents is included:                                                                                                                                             | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 59 | Article 62.            | The literal a) is modified to provide a guarantee that the sample is sufficient.                                                                                                            | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 60 | Article 62.            | The literal d) is modified to make competence assessment to the internal inspector of each organization.                                                                                    | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 61 | Article 67 y 68        | Article 67 Requirements to register an inspector in organic production and Article 68 Qualification requirements to be a certification director are deleted and are automatically replaced. | Changes according to amendments to EU Regulations      | 30.11.2017 |
| 62 | Introduction           | Avoid confusion, the Standard is applicable to produce in Colombia (Andean Community) and Export EU                                                                                         | Elimination of other Regulations                       | 12.08.2016 |
| 63 | BT001V06/ January 2016 | BT001V06/ August 2016                                                                                                                                                                       | Change of version                                      | 12.08.2016 |
| 64 | The word Regulation    | It is deleted and changed to Standard                                                                                                                                                       | To prevent confusions                                  | 12.08.2016 |

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| 65 | Article 1. Object.                            | It is eliminated Pesca, minerales, microorganismos, textiles, artesanías -                                                                                                                                                                                                                                                                                                                                                                                                            | Adjustment, only agricultural foods                    | 12.08.2016 |
| 66 | Article 2. Field of application.              | Make clarity that is throughout the territory of Colombia (and the Andean Community)                                                                                                                                                                                                                                                                                                                                                                                                  | Adjustment to the reality of the field of application. | 12.08.2016 |
| 67 | Article 2                                     | It is eliminated - the letter f. Processed products destined to human handicrafts and clothing (derived from the products indicated in literal a)                                                                                                                                                                                                                                                                                                                                     | To be more concrete                                    | 12.08.2016 |
| 68 | Article 2. Field of application. Paragraph 2. | Paragraph 2 is deleted. Apply initially throughout the territory of Colombia (and the Andean Community)                                                                                                                                                                                                                                                                                                                                                                               | Adjustment to the reality of the field of application. | 12.08.2016 |
| 69 | Article 3.                                    | Clarify the terms and commitments in case of parallel production.                                                                                                                                                                                                                                                                                                                                                                                                                     | Upgrade                                                | 12.08.2016 |
| 70 | Article 41.1.d.                               | the CAN denomination is removed (by equivalence) and Colombia and its exports remain                                                                                                                                                                                                                                                                                                                                                                                                  | Clarity                                                | 27.08.2016 |
| 71 | Article 11                                    | It is introduced - every Ecological Operator must have the knowledge of the appropriate processes that are done to a harvested product and the necessary management technology that is done in a natural and fresh state.                                                                                                                                                                                                                                                             | Request                                                | 27.08.2016 |
| 72 | Article 14.1. Paragraph 2.                    | It is deleted - paragraph 2                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The JAS evaluation is done according to JAS.           | 12.08.2016 |
| 73 | Chapter VI                                    | It is included "The processing and conservation of food products with ecological denomination (organic) is the set of processes carried out in the different parts of the production, transport, sale and consumption chain carried out with the aim of guaranteeing the life and hygiene of the products. It starts from the initial idea that food is perishable and it is necessary to have certain conditions and perform certain treatments to make it possible to preserve it." | Adjustment to the reality of the field of application. | 12.08.2016 |
| 74 | Article 41, point 3.e.                        | It is removed and point f replaces point e again.                                                                                                                                                                                                                                                                                                                                                                                                                                     | Avoid repetitions                                      | 12.08.2016 |
| 75 | Article 41.1.1.a                              | "The Operator must present a system that guarantees physical, time and documentary separation measures, if it is processed or processed in parallel".                                                                                                                                                                                                                                                                                                                                 | Request                                                | 12.08.2016 |

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| 76 | Article 62           | "The literal d is introduced. During the evaluation, an internal inspector must be assigned to receive a shadow inspection by the BIOTROPICO Inspector. For this evaluation, the internal inspector will use the checklists to obtain information from small BIOTROPICO producers. " | Request                                                                                      | 12.08.2016 |
| 77 | Article 41 Number 2  | The idea is complemented with "authorized by the legislation in force in Colombia and according to annexes VIII and IX."                                                                                                                                                             | That this authorization does not jeopardize the quality of the product for export to Europe. | 12.08.2016 |
| 78 | Article 41 Numeral 9 | The idea is complemented with "authorized by the legislation in force in Colombia and according to annexes VIII and IX."                                                                                                                                                             | That this authorization does not jeopardize the quality of the product for export to Europe. | 12.08.2016 |
| 79 | Article 3.1          | The following is specified: "Nitrogen mineral fertilizers are not used"                                                                                                                                                                                                              | Clarification                                                                                | 27.08.2016 |
| 80 | Annex II..           | Annex II. "REGULATION OF EXECUTION (EU) 2016/673 OF THE COMMISSION, of April 29, 2016 and the information is updated".                                                                                                                                                               | Equivalence                                                                                  | 27.08.2016 |
| 81 | Annex VI.            | Annex VI. "REGULATION OF EXECUTION (EU) 2016/673 OF THE COMMISSION, of April 29, 2016 and the information is updated".                                                                                                                                                               | The changes copies of the 673/2016 EU                                                        | 27.08.2016 |
| 82 | Annex VIII.          | Annex VIII. "REGULATION OF EXECUTION (EU) 2016/673 OF THE COMMISSION, of April 29, 2016 and the information is updated".                                                                                                                                                             | The changes copies of the 673/2016 EU                                                        | 27.08.2016 |

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