

ORGANIC ANIMAL FEED PROCESSING AND HANDLING

Organic animal feed processing and handling includes processing of organic feed and food for all types of domesticated animals including livestock, poultry, aquaculture and pet animals for production of commercial animal feed/ food products. On-farm processing and handling of feed as part of livestock or aquaculture farm for their captive consumption will continue to remain part of their livestock/ aquaculture farm certification operations.

1. General Requirements

- 1.1 The handling and processing operator of organic animal feed/ food products must set up a written organic handling plan detailing all the facilities, equipments and machines, raw materials used, processing methods and processing ingredients, storage and shipment equipments.
- 1.2 Necessary measures shall be put in place to minimize air, water and soil contamination during the processing and handling operations.
- 1.3 Description of the monitoring practices and procedures followed and maintained to verify that the plan is effectively implemented.
- 1.4 Description of the record keeping system implemented to comply with the requirements of NPOP.

- 1.5 Description of the management practices and separation measures established to prevent commingling of organic and non organic feed products during parallel processing and handling
- 1.6 Processing and handling of organic products should be done separately in time or place from handling and processing of non-organic products.
- 1.7 All products shall be adequately identified through the whole process.

2. Cleaning, disinfection and pest control

- 2.1 Preventive measures need to be put in place to protect organic feed from substances prohibited for use in production, processing, manufacture, or handling from pests, pathogens and other alien substances.
- 2.2 Organic feed must not come in contact with substances used for cleaning, sterilizing and disinfection of facilities and equipments.
- 2.3 For cleaning and disinfection of facilities and sterilization of equipments and tools substances listed in Annex 9 of Appendix 2 of NPOP can be used.
- 2.4 For pest management and control the following measures shall be used in order of priority:
 - Preventive methods such as disruption, elimination of habitat and access to facilities
 - Mechanical, physical and biological methods
 - Physical barriers, sound, ultra-sound, light and UV-light, traps (incl. pheromone traps and static bait traps), temperature control and controlled atmosphere.
 - Pesticidal substances contained in the Appendices of the national standards

- Irradiation is prohibited.
- Persistent or carcinogenic pesticides and disinfectants are not permitted

3. Ingredients

3.1 The ingredients and supplementary feed used for production of organic feed shall be derived from following sources

- Organic crop products
- Organic livestock product
- Organic processed products
- Ingredient or supplementary feed referred to in Annex 5 and Annex 6 of Appendix 2 and in Annex 2 and 5 of Appendix 4 of NPOP.

3.2 In cases where an organic ingredient is not available in sufficient quality or quantity, non organic ingredients may be used to a minimum extent only in case of essential technological need or for particular nutritional purpose. Such non organic raw material shall not be genetically engineered. The accredited Certification Body may authorize the use of non-organic raw materials subject to periodic re-evaluation.

3.3 To fulfil the essential dietary requirements and in case of severe dietary or nutritional deficiency the use of minerals, vitamins and amino acids, derived from raw materials occurring naturally may be used. Accredited certification bodies may allow the use of nature identical synthetic amino acids and vitamins in cases where their requirement cannot be met by other permitted sources.

3.4 Preparations of micro-organisms and enzymes commonly used in food processing may be used, with the exception of genetically engineered micro-organisms and their products.

3.5 Water and salt may be used in organic feed processing

3.6 Use of following is prohibited:

- Genetically modified organisms or ingredients originating from genetically modified organisms are prohibited
- Synthetic chemicals used for boosting metabolism is prohibited
- Synthetic nitrogen or non-protein nitrogen compounds are prohibited
- Antibiotics, synthetic antimicrobials, growth enhancing substances, parasiticides, coccidiostatics or hormones
- Other substances produced or modified through artificial synthesis
- Feed or raw material of mammalian origin including slaughter house waste for making feed for ruminant livestock

4. Processing

4.1 Processing methods should be based on mechanical, biological, smoking, extraction, precipitation and filtration.

4.2 Water, ethanol, plant and animal oils, vinegar, carbon dioxide, nitrogen or carboxylic acids may be used for extraction.

4.3 Filtration substances shall not be made of asbestos nor may they be permeated with substances which may negatively affect the product.

4.4 Irradiation is not allowed

5. Processing facilities

- 5.1 Processing facilities to be managed in such a way that organic integrity is maintained throughout the process without any chance for mixing or co-mingling with non-organic products or ingredients.
- 5.2 Organic feed production lines must be separated from non-organic feed production line. In case if the processing of organic feed is carried out in the same line processing non-organic feed also, then adequate measures to be put in place to clean the entire processing assembly after the production of non-organic feed.
- 5.3 Separate storage facilities must be in place and managed separately so that ingredients used for producing organic feed do not get mixed with non-organic ones.

6. Processed products

- 6.1 **100 percent organic** - A raw or processed animal feed sold, labeled, or represented as "100 percent organic" must contain (by weight or fluid volume, excluding water and salt) 100 percent organically produced ingredients.
- 6.2 **Organic** - A raw or processed animal feed sold, labeled, or represented as "organic" must contain (by weight or fluid volume, excluding water and salt) not less than 95 percent organically produced raw or processed agricultural ingredients.
- 6.3 **Made with organic** - Multi-ingredient animal feed sold, labeled, or represented as "made with organic (specified ingredients or food group(s))"

must contain (by weight or fluid volume, excluding water and salt) at least 70 percent organically produced ingredients.

- 6.4 Where less than 70% of the ingredients are of certified organic origin, the indication that an ingredient is organic may appear in the ingredients list. Such product may not be called "organic

7. Packaging

- 7.1 Packaging methods and materials must protect the integrity of organic feed and have no adverse effects on the environment.
- 7.2 Biodegradable, recyclable, reusable systems and eco-friendly packaging materials shall be used
- 7.3 Material used for packaging shall not contaminate animal feed.
- 7.4 Packaging materials, containers and storage containing or treated with synthetic chemicals or prohibited substances must not be used.
- 7.5 Recycled packaging materials or containers that had come in contact with substances that may compromise the organic integrity of organic feed must not be used.
- 7.6 The packages shall be closed in such a manner that substitution of the content cannot be achieved without manipulation or damaging the seal.

8. Labelling

- 8.1 All organic processed animal feed shall be labelled as per the requirements specified in Clause 6 (6.1 and 6.2) of Appendix 5 of NPOP.

9. Storage and transport

9.1 Storage, shipping and transportation requirements must be in compliance of Clause 7 of Appendix 5 of NPOP.

9.2 If products are transported in bulk, then vehicles intended for transporting organic feed must not carry any other non-organic product alongside the organic feed.