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Feed mill: Products and services

Aquaculture Department, Southeast Asian Fisheries Development Center

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About the Feed Mill



The SEAFDEC/AQD Feed Mill, previously known as Feed Production Laboratory, was established in 1991 as a service unit of the Feed Development Section (now Nutrition and Feed Development Section) funded by the Government of Japan. It produced feeds to serve the Department's laboratory and pond research studies, maintenance and culture of experimental animals, verification studies in collaboration with fish farmers, and large-scale production of SEAFDEC/AQD-formulated feeds for mariculture.

In 2019, the facility received a US\$60,000 upgrade, which increased its daily production capacity from 0.5 MT to 2.4 MT per day. It can yield about 300 kilograms of feeds per hour. It currently produces diets for abalone, grouper, mangrove crab, milkfish, pompano, sea bass, shrimp, siganid, and tilapia. The facility also accepts orders from private hatcheries that need maintenance feeds for marine fish breeders and larvae, which are not commercially available.

Need assistance?

Attend our hands-on training course!

Feed formulation and preparation
(specialized training course)
at SEAFDEC/AQD's Tigbauan Main Station.

Principles of aquaculture nutrition
(online learning course)

To apply, kindly contact:
Training and Information Division
(63-33) 3307030
training@seafdec.org.ph
Check out our full training schedule:
www.seafdec.org.ph/training

Talk to us!

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FEED MILL PRODUCTS AND SERVICES



Pellets



Ingredients



Services



Southeast Asian Fisheries Development Center
AQUACULTURE DEPARTMENT
www.seafdec.org.ph

THE FACILITY

Quality feeds are integral in the efficient culture of aquatic animals. The SEAFDEC/AQD Feed Mill facility has all the equipment necessary to produce sustainable and high-grade aquatic feeds.

Grinding

Raw ingredients are passed through a **hammer mill** for particle-size reduction before further processing. It makes handling and storing of ingredients easier.



Mixing

A **mixer** is used to combine feed ingredients following computed formulations. This ensures uniformity, wherein each piece of feed is consistent with the intended formulation.



Extruding

Well-mixed, soft, and loose formulated feeds are compressed through an **extruder** to form either sinker or floater feed pellets.



Drying

Following extrusion, pellets are passed through a **five-layer dryer** to reduce the moisture content and improve shelf-life.

GUIDELINES

A. Usage of feed mill equipment

1. Requesters who wish to use the Feed Mill equipment for grinding/milling of their own ingredients should complete the Feed Mill Request Form and indicate the type and amount of ingredients to be processed.
2. Processing fee will be computed based on prevailing rates of power consumption, labor, equipment depreciation, and overhead cost (15%).
3. Milled ingredients will be released only upon full payment through SEAFDEC/AQD cashiering or by bank transfer.
4. Only authorized SEAFDEC/AQD staff will be allowed to operate the grinding and milling equipment.

B. Request for feed ingredients

1. Requesters are required to fill-out the Feed Mill Request Form and indicate the type and amount of ingredients they need.
2. Requesters should provide their own containers for: (a) dry ingredients weighing less than 25 kg, and (b) oils of any volume.
3. The Feed Mill will only provide dry ingredients that pass through mesh # 40 (~420 microns).
4. Requested ingredients will be prepared and released only upon full payment through SEAFDEC/AQD cashiering or by bank transfer.

C. Request for extruded feeds

1. Requesters are required to fill-out the Feed Mill Request Form and indicate the type, amount, and pellet size of extruded feeds.
2. Feed Mill will only produce pellets with diameters of 2, 3, 6, and 9 mm for sinking feeds and at least 3 mm for floating feeds.
3. Requested feeds will be prepared and released only upon full payment through SEAFDEC/AQD cashiering or bank transfer.

[Click here to access the Feed Mill Request Form](#)

NOTE:

- Feed mill prepares feeds on a perorder basis following a first-order-first-served scheme.
- Feeds are usually ready for pick-up two to three weeks upon receipt of confirmation of the order.
- Prices are computed based on the actual amount of ingredients used. The weight of the finished product may be less than the total weight of the ingredients by about 5% due to losses during feed processing.



PRODUCTS

Aquafeeds

Milkfish broodstock diet (sinker)
Milkfish larval diet
High-value broodstock diet (sinker)
High-value growout diet (floater)
High-value larval diet

Feed Ingredients

Acetes (1st class)
Acetes (2nd class)
BHT
Wheat flour
CMC
Choline chloride
Cod liver oil
Copra meal
Cornstarch
Danish fish meal
Danish fish oil
Dicalcium phosphate
Lecithin
Lignobond
Min mix
Rice bran
Sardine fish meal
Seaweed
Soybean meal
Soybean oil
SP-60
Squid meal
Vitamin C
Vit mix
Wheat pollard
Peruvian fishmeal
Carageenan

SERVICES

Hammer milling
Weighing
Mixing
Extrusion (dry type)
 Floater Sinker
Extrusion (wet type)
 Floater Sinker