

3. Spray enough amount of water to attain desirable binding effect.



4. Pour the ration into the machine to produce pellets. Pellets should be 20-25 mm in length and 8 mm in diameter.



5. Dry the pellets under the sun for 2-3 days to attain moisture content of 10%. Store the pellets in plastic bag or other desired packaging materials at room temperature.



Goat raising needs a year-round supply of feeds. But in our country where there are two distinct seasons, feeds are more than enough during wet season but insufficient during dry season. Hence, the technology of processing feeds through pelleting is important.

For more information, visit or contact:



Small Ruminant Center
CENTRAL LUZON STATE UNIVERSITY
Science City of Muñoz, Nueva Ecija
Tel: (044) 456-0968
E-mail: src1983clsu@yahoo.com

Prepared by:



Promotions, Training and Extension Service Unit
Small Ruminant Center
and
Science and Technology Centrum
Extension Office

May 2017



Pellet Feeds for Goats
as an Enterprise



Research, Extension and Training
CENTRAL LUZON STATE UNIVERSITY
Science City of Muñoz, Nueva Ecija
Philippines

What are pellet feeds for goats?

Pellet feeds for goats are complete feeds formulated through the process of pelleting feed ingredients needed to supply the animals' nutritional needs for growth and lactation. Examples of ingredients that can be pelletized are as follows:



Ipil-ipil/Leaf Meal



Rice Bran



Copra Meal



Molasses



Dicalphos



Salt

1. Leaf meal

The leaves of leguminous tree species such as Ipil-ipil, Kakawate and Rensonii can be processed into leaf meal to serve as protein source in the diet.

2. Concentrates

These feed ingredients are commercially available and will provide bulk of the energy as well as true protein needed by the animals.

3. Mineral supplements

These are important sources of minerals like Calcium, Phosphorus, Sodium and Chloride. Other locally available materials can also be used provided that they are palatable and can add to the nutritional needs of goats.

What are the advantages of pelletized feeds?

- More efficient feeding
- Better quality feeds
- Labor reducing
- Productivity increasing
 - Faster growth rate of growing goats
 - More milk yield from lactating goats
- Requires lesser space during storage
- Can be stored at room temperature
- Longer shelf life (can be stored for 6 months or more)



What are needed to produce pellets for goats?

1. Long-term investment

Item	Capacity	Cost (Php)
Pelletizing Machine	100 kg feed	47, 000
Engine/Electric motor	50 Hp	11, 000
Mixer (optional)	100 kg	90, 000
Total		148, 000

2. Raw materials

- Leaf meal
- Concentrates and mineral supplements

3. Labor for processing, drying, packaging and hauling
4. Sacks or plastics for packaging

What are the steps in pelleting?

1. Produce leaf meal

- a. Dry the fresh leaves for 3-4 days to attain 80-85% dry matter.
- b. Grind the dried leaves with the use of hammer mill to pass through 1mm screen mesh. If there is no hammer mill, pound the leaves using mortar and pestle until desirable particle size is attained.



- ### 2. Formulate a ration made up of leaf meal as basal diet (40-50% of the mixed ration), concentrate and mineral supplement. Mix them thoroughly.

