

# Learn how to formulate local catfish feed

Normal

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false

false

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EN-US

X-NONE

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Feed is either starter feed, grower feed, or finisher. The starter feed should be rich in protein. For grower feed, the level of protein oughts to be at a normal level while finisher feed needs to have a high energy content because this enables the fish to have more weight. If the local feed you are using isn't ground very well, you might not get good results.

## **Feed formula ingredients**

Soybean is a must-use ingredient in feed formulation and contains 40 to 48% crude protein depending on variety and quality. Wheat bran contains 20 to 38 crude protein and crude fiber of 15 % but we don't need more of wheat bran. Wheat offal contains 13 to 16% of crude protein.

Biscuit waste is an energy waste with 23% energy and a touch of protein. This is most effective when used as an energy source in starter feed. Bread waste is an energy source with 13 to 24% energy. Groundnut cake contains 40 to 60% protein and 30% energy.

Blood meal has a crude protein of between 80 to 85% with low crude fiber. This varies depending on the blood that you get.

Cassava/ Gari has the highest level of energy at 94.9% but these easily pollute water when too much. Use cassava when your pond is an earthen pond and not a tarpaulin or concrete pond.

Maize has an energy content of 70 to 73.4% and a protein level of 8 to 11%. Sesame has a high level of energy with some fat. Fish meal has 60 to 72% crude protein depending on the fish used and an energy of 3 to 4.5 %.

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```

### **Mixing formula**

In your formula, you will need soybean, biscuit waste, bread dough or cassava, garri, fish meal + blood meal. Too much protein affects the fish and causes cracked heads in fish.