



Cost of Production



Republic of the Philippines
Department of Agriculture
AGRICULTURAL TRAINING INSTITUTE

This brochure will show you how much would be needed to produce the different Liquid Organic Fertilizers (LOF) that you will use for your organic farming. The plant materials used here are just some of the examples; you can use other materials depending on what is available in your locality.

Tea Manure

Partially dried manures of cow, carabao, horse or sheep may be purchased at low cost. It contains about 1% N, 1% P, 1.5% K and fuel range trace elements.

A. Labor - 3 Man hrs X 250.00/md)	Amount (P)
Collection	93.75
Hauling	
Chopping	
Processing	
Packing & Storage	
B. Materials	
Dried animal manure (1 sack)	25.00
Plastic drum (200 li. cap.)	850.00
Cheesecloth	10.00
Subtotal	885.00
Total: A & B (93.75 + 160.00) = P 975.85	

The cost of production of the succeeding batches will be reduced because only animal manure will be bought.

Fermented Plant Juice from Kakawate Leaves

Kakawate or Madre de Cacao contains about 3.8 % N, 1.8 % P and 2.8 % K + ME (please note that the nutrient content of Kakawate or any plant material may vary depending on the soil fertility of the area where it was collected).

A. Labor - (3 Man hrs X 250.00/md)	Amount (P)
Collection	93.75
Hauling	
Chopping	
Processing	
Packing & Storage	
B. Materials	
Kakawate Leaves 3kg)	--
Brown Sugar (1kg)	30.00
Basin	100.00
Kitchen Knife	100.00
Chopping Board	50.00
Plastic pail	75.00
Net bag	5.00
Cheese cloth	5.00
Weighing scale (300.00)	300.00
Glass jars or bottle	5.00
Subtotal	670.00
Total: A & B (93.75 + 670.00) = P 763.75	

Note: The cost of production of the succeeding batches will be reduced because only brown sugar and storage jar will be purchased.

Fermented Fruit Juice from Ripe Banana, Papaya and Squash

You can find overripe banana, papaya and squash in the marketplace and normally you can have them for free or you can purchase them at a very low price. Aside from a combination of these fruits, you can make FFJ from a single material. You have a wide variety of fruits, vegetable and root crops to choose from so you can make different FFJ's depending on what material is available.

A. Labor - 3 Man hrs X 250.00/md)	Amount (P)
Collection	93.75
Hauling	
Chopping	
Processing	
Packing & Storage	
B. Materials	
Overripe fruits (1 kg each the three fruits)	30.00
Brown Sugar (1 kg)	30.00
Basin	100.00
Kitchen Knife	100.00
Chopping Board	50.00
Plastic pail	75.00
Net bag	5.00
Cheese cloth	5.00
Weighing scale (2 kg cap.)	300.00
Glass jar or bottle	5.00
Subtotal	700.00
Total: A & B (93.75 + 700.00) = P 793.75	

Note: The cost of production of the succeeding batches will be reduced because only brown sugar and fruits will be purchased.

Fish Amino Acid from Spoiled Fish and Trash Fish

Materials for FAA can be collected free or can be purchased at low cost from the marketplace. FAA is a good source of nitrogen and potassium. It contains about 9% N and 2.5% P.

A. Labor - 3 Man hrs X 250.00/md)	Amount (P)
Collection	93.75
Hauling	
Chopping	
Processing	
Packing & Storage	
B. Materials	
Spoiled fish and trash fish (2 kg)	20.00
Brown Sugar (1 kg)	30.00
Basin (small)	50.00
Plastic pail (small)	50.00
Cheese cloth	5.00
Glass jars or bottle	5.00
Subtotal	160.00
Total: A & B (93.75 + 160.00) = P 253.75	

Note: The cost of production of succeeding batches will be reduced because only brown sugar, spoiled fish and trash and storage jar will be purchased.

Content taken from the **online course on Organic Fertilizer for Sustainable Agriculture** which was developed by the Department of Science and Technology-Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (DOST-PCARRD).

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