

GUIDELINES FOR ORGANIC SEED PRODUCTION

1. An organic production area should be established in an area which is not utilized for conventional crop production for a minimum of at least two (2) years .
2. A clear boundary between the organic and conventional zones which is at least 10 m away) should be set-up.
3. The fertilizer should be bio-degradable materials of microbial, plant or animal origin produced on organic farms (vermicompost, processed organically grown livestock chicken manure, FPJ, FFJ, etc.), with a maximum of 5-10 tons/ha.
4. Solid or liquid organic fertilizer which will be used should be certified as organic fertilizer.
5. Application of materials containing Nitrogen per hectare or per year should not exceed 170 Kg/ha.
6. Synthetic pesticides (herbicides, fungicides, insecticides) should not be used
7. Products that will be used to prevent or minimize pests and diseases and to manage weeds should be prepared in the farm using local plants, animals and microorganisms

9. All equipment and tools should be exclusively used for organic production.
10. Insect repellent plants (fish kale, citronella, and alagao) and attractants should be planted within the area.
11. Minimum crop rotation practices should be established.
12. The water should be free from contaminated or polluted well/rivers and should not contain heavy metals.
13. Plant debris from the field should be placed in the compost pit.

PLANTING GUIDE

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Crop	Seeding Rate (Kg/ha)	Planting Distance	Fertilization	Harvesting
Pole Sitao	10-12	15-18 seeds/1m	Basal application of vermicompost 3 to 7 days before planting/ transplanting at a rate of 0.25kg/m ² – 1.0kg/m ²	Dried pods are harvested more than 20 days after pollination
Cowpea	10-12	15-20 seeds/1m		Dried pods are harvested 35-40 days after planting
Mungbean	18-20	15-18 seeds/1m	Spray FPJ/OHN diluted in water, 1 to 2 times a week (as nutrient supplement)	Done 2-3 times by priming or hand picking 60 to 65 days after planting
Tomato	0.30	40-50 cm		At red ripe stage
Eggplant	0.30	40-50 cm		At yellow to brown ripe stage

CROP PROTECTION

Citronella + Alagao leaves extract and planting of spearmint within the row of the main crop	<ul style="list-style-type: none"> • Against sucking and feeding insects like aphids, leaf-miner, whitefly, leafhopper, and beetles • Soak 250 grams leaves with one liter of water overnight • Blend soaked leaves and strain blended leaves and make extract with 16 liters of water • Okra fruit, gumamela flower or perla soap may be used as sticker
Guyabano seeds extract, fish mint or fish kale leaves extract	<ul style="list-style-type: none"> • Against chewing insects like army worms, tomato fruit worms and caterpillar • Soak 100 seeds in one liter of water overnight and blend • Mix extract in 16 liters of water and spray to crops • Okra fruit, gumamela flower or perla soap may be used as sticker
Chilli or fish kale leaves	<ul style="list-style-type: none"> • A variety of insects • Blend 100 grams of chilli / 200 grams of fish kale leaves in one liter of water • Mix 16 liters of water and spray to crops • Spray late in the afternoon • Okra fruit, gumamela flower or perla soap may be used as sticker

Source: Philippine National Standard, PNS/BAFPS 07:2003, ICS 65.020.20

VISION

BPI-LBNCRDPSC is a recognized and leading Research Development and Production center for lowland vegetables.

MISSION

We generate crop farming technologies and produce quality seeds of lowland vegetables to ensure sustainable food production.

CORE VALUES

SPICE IT!

Service – orientation: BPI is proactive who values its clients.

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Integrity: BPI is transparent, honest, and accountable for its action.

Commitment: BPI works with passion and commitment.

Excellence: BPI produces the best results.

Innovation: BPI finds new solutions.

Teamwork: BPI exercises partnership and camaraderie.

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