

## Managements

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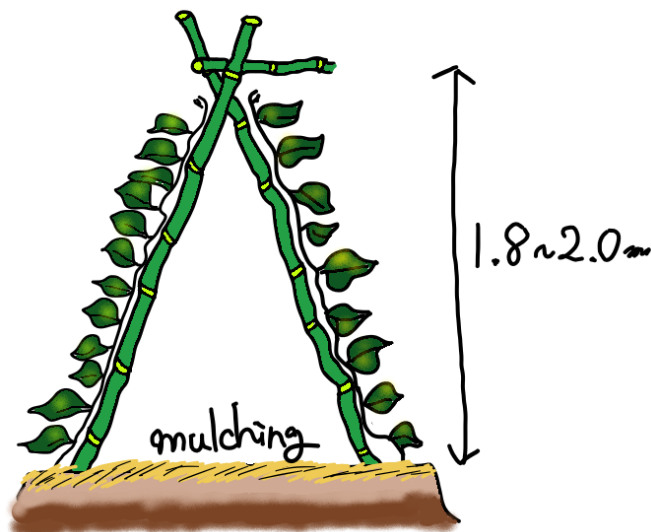
**Weeding :** Carry out weeding 30-40 days after the germination. Keep the plants weed free by mulching, as weeds are considered one of the major factors for yield loss.

**Top dressing / 1 acre:**

SUPHARA:50kg+Bokashi:100 kg+FYM:100kg

Note: Divide and apply 2-3 times above amount top dress fertilizer from 1st of flowering, and 2nd is 1 month later from 1st.

**Staking :** The plants are staked using bamboo poles and split bamboos.



Front view

Side view

## Harvest

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Commonly, best beans can be harvested 20-25 days after the flowering, when the pods are still green and non fibrous.

## Pests and diseases

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**Pod borer :** Its larvae bore the pods and makes the pod inconsumable.



**Managements**

- Regularly monitor on pest activities like webbing on flowers, and new shoots.
- Intercrop with maize.
- Keep the crop field free of weeds.
- Destroy crop debris.

**Leaf rust :** Reddish brown spots, Sometimes red-brown patches may have a yellow halo around them. Rust fungus can appear on the plant's leaves, pods, shoots or stems.



**Managements**

- Avoid sprinkler irrigation
- Apply ash if the soil is acidic
- Destroy the crop debris if diseased

**Damping off :** Seedling wilt resembling water stressed plants. Roots show necrosis and decay of tissues at base of stem.



**Managements**

- Apply ash or lime water with bokashi in plant spot after uprooting infected seedlings.
- Sterilize soil with mustard green.



## Pole Beans

*Starter Guide*

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## Points of techniques

### Climatic Requirement

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In places experiencing warm, and humid summer and cool winter, beans can be grown twice. Once during normal summer season, as well as during Autumn season.

1	2	3	4	5	6	7	8	9	10	11	12
		●—●	.....	→			●—●	.....	→		

●—● Seed sowing ..... Cultivating → Harvest

Beans can be suitably grown from 22-30°C, with pH of 5-6.

Beans can be grown in all types of soil from slight sandy loam soil to clay loamy soil. However, loamy soil with good drainage is preferred for its good production.

### Field and Bed Preparation

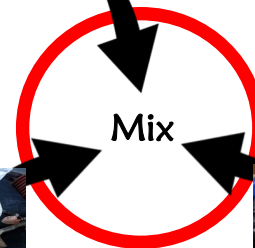
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**Field preparation :** Soil is ploughed to fine tilts. Compost (or FYM) , and SUPHALA and Bokashi is mixed and applied during the field preparation.



Compost :  
400 baskets/acre

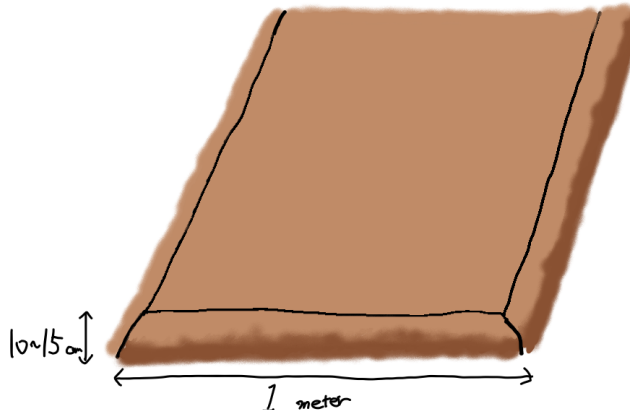
SUPHALA:  
50 kg/acre



Bokashi:  
100 kg/acre



**Bed preparation :** One month after the field preparation, raised bed is prepared. Bed size of 10-15cm high, 1 meter width at the convenient length is prepared.

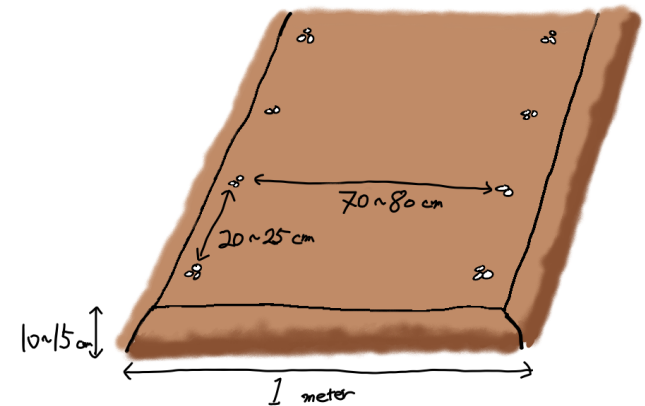


### Sowing, mulching and irrigation

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**Sowing :** 2-3 seeds are sown in the spot at 20-25cm spacing. Keep distance enough for staking support each other diagonally.

**Mulching ;** After sowing, mulched with straw, rice husk or leaf mold for moisture retention and weed suppression purposes.



**Irrigation :** Irrigate the crop right after sowing the seeds.

Dry season; Irrigate once times a week.

Rainy season: Only when soil dry.



There is a risk of disease infection by showering over a plant.