

plant ash, Biochar & tillage

Ridging, mulching & planting



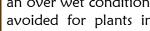
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Integrated Horticulture Promotion Project 2016-2021

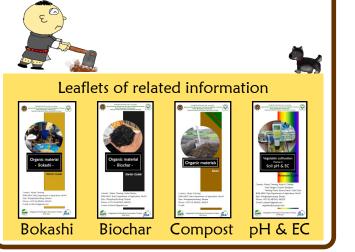


Scattering bokashi

## Important points to remember

Before planting seedlings or sowing seeds, it is important to understand the following 3 thing:

- 1. Basal fertilizers have a role of improvement of soil by inputting materials, especially organic matters before planting.
- 2. Tillage is to cultivate and soften physically hard soil by human, livestock and/or machine powers. Mixing organic materials into soil provides a good soil condition for plants growth of plants.
- 3. Ridging is to prepare planting / seed sowing beds. Considering the land aspects (North, South, East or West), water drainage direction, a place in the morning sunlight and crops planned for cultivation, the location and the direction must be decided.





1 month before planting your vegetables in a season, addition of organic matters is highly recommended. Matured compost, bokashi and plant ash or dolomite probably renovate and restructure soil condition. SUPHALA could be useful instead of bokashi, but remember the amount to be used. See and follow the application guideline as below:

<u> ، Questio</u>n. What is "Dolomite" ?

Answer. It's a natural mineral. "Dolomite" is mined as an industrial material at Gomtu, Samtse. This dolomite is rich in Calcium & Magnesium which are very necessary for the proper plant growth. It works as soil pH adjuster and control some deficiency such as a bottom rot disease on tomato fruits.



Application guide line of basal fertilizers. For good acclimation, apply fertilizers 1 month before planting

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	Land area (m²)	Compost	Bokashi or SUPHALA Plant ash or Dolomite
	1 acre=4050m <sup>2</sup>	400 baskets	500kg or 100kg 100-200kg or 100-200kg
	1 decimal=40m²	4 baskets	5kg or 1kg 1-2kg or 1-2kg
	2mx5m=10m <sup>2</sup>	1 basket	1.3kg or 250 g 250-500g or 250-500g
	1mx1m=1m <sup>2</sup>	1/10 baskets	130g or 25g 25-50g or 25-50g



1 basket = 10 kg





 $1 \, \text{cup} = 100 \text{g}$ 



1/3 cup = 100 g



Dolomite 1/3 cup = 100 g

(Based on Soil Survey Manual, USDA 2011)

## Proper soil pH value

Generally, vegetables grow well in the soil with proper pH values between pH 5.5 and 7.0. But, a pH meter for the measurement is required definitely. If you want to know pH value of your land, please ask ARDC Bajo.

> Get more information

on this leaflet

Bokashi

1 liter = 300g

Acidic Alkaline Neutral Very Mod-Mod-Slightly Slightly Strong Strong Very strong eratelv strong erately 4.5 5.0 5.5 6.0 6.5 7.0 7.5 8.0 8.5 9.0 9.5 Bad range Recommended range Bad range pH 5.5 - 7.0 pH & EC