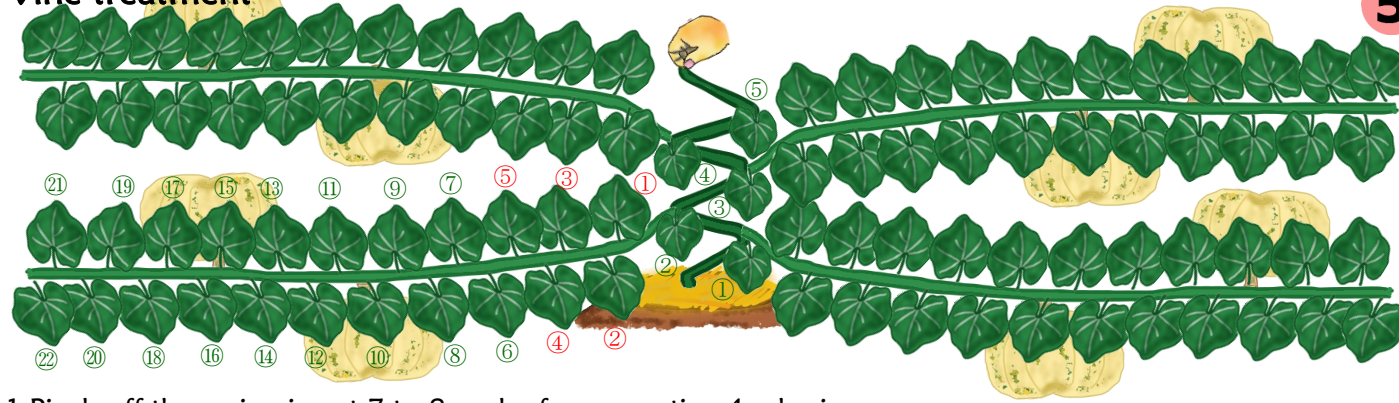


Vine treatment

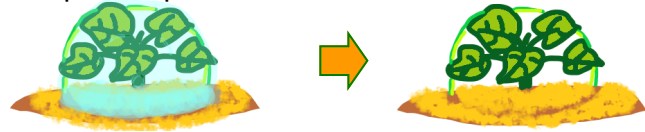


5

1. Pinch off the main vine at 7 to 8 nodes for generating 4 sub-vines.
2. Leave 4 sub-vines for growing. It is not necessary to pinch off sub branches like in water melon.
3. Fruits should be set on after 6th node for good quality fruit. It is recommended to fruit-set between 9th to 15th bud.
4. As a fruiting guide line, 2 fruits on 1 vine (= about 8 fruits on 1 plant) is recommended.

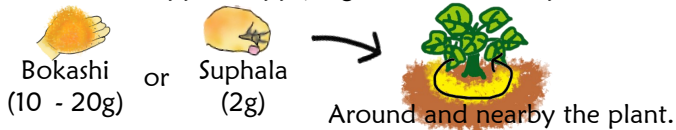
Cultivation

1. Plastic cap in cold time (optional)
Remove the plastic cap when the plant touches the sides or top of the plastic.



2. Top dressing

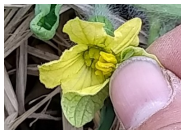
When **fruits** appear, apply 1 grab of Bokashi / plant.



3. Artificial pollination

Recommended for pumpkin in a plastic house.

1. Must do **between 8 AM to 10 AM**.
2. Select a male flower which just opened.
3. Just touch and put some pollen on a pistil.
4. Use a male flower for 3-4 pistils.



4. Irrigation

Irrigate once a week around the plant in the ground, but not over the top.



5. Fruit treatment



6. Harvest timing

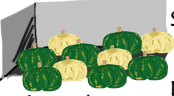
The harvest timing comes 30 to 35 days after the flowering.



7. After harvest

By storing 14-21 days after the harvest, the sweetness should be increased due to releasing of fruit moisture.

Store 14 - 21 days.
In cool room.
Release moisture...
After harvest...
More sweet !



མོ་རྒྱལ་ཞིབ་འཇུག་དང་གོ་འཕེལ་ལྟེ་གི། བཞུགས་པའི་ལྟེ་གི།
Agriculture Research and Development Center
Bajo Wangdue Phodrang
Department of Agriculture, Ministry of Agriculture and Forests



Pumpkin

Starter Guide

Contact: Arjun Kumar Ghallay, Karma Dema
RNR-RDC Bajo, Department of Agriculture, MoAF
Bajo, Wangduephodrang, Bhutan
Phone: +975-02-481260, 481209
E-mail: akghallay@moaf.gov.bt
karmadema97@yahoo.com



Integrated Horticulture Promotion Project
2016-2021



Points of cultivation

Remarkable characteristics

Pumpkin growers should remember the following characteristics of pumpkin before starting the cultivation.

1. Pumpkin plant prefers high temperature. Also, pumpkin can grow between temp. of 10-20°C in wider area than watermelon.
2. Pumpkin plant is a heat loving crop, and very sensitive to frost and cold injury.
3. Pumpkin plant does not like growing in heavy/paddy soil. **Do not stagnate water in the field.**
4. It contains high alpha and beta carotene and vitamin C & E.
5. Pumpkin plant needs K (potassium) from **plant ash** for well-fruitletting and adjustment of suitable pH value (6.0-6.5).
6. Pumpkin plant has **a less risk of continuous cropping disorder**.
7. Cucumber, bitter gourd, pumpkin, zucchini, water melon, net melon are plants in the same group of gourd family. So, pumpkin seedling is **useful as a rootstock for Fusarium wilt resistance**.

Major work calendar Bajo (1200masl.)

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


Menchuna (1550masl.)

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

→ Sowing → Transplanting Cultivation
 ← Harvest ★ 1st top dressing ★ 2nd top dressing


Land preparation

Compost




400 baskets / 1 acre

Bokashi







500 kg / 1 acre
or
Suphala : 100kg

Ash

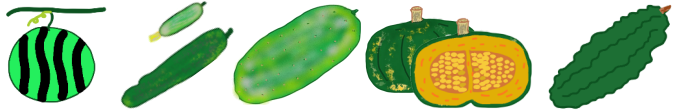


100-200kg / 1 acre
or
Dolomite : 100-200kg

Read related leaflets please.

Land preparation Mulching Bokashi Compost



Seed in pots-sowing

Nursery soil: Soil + Sand + Biochar + Compost + Bokashi + Dolomite

Soil × 4 Sand 3 Biochar 3 Compost 1 Bokashi 1/4 Dolomite 1/10
 or Suphala 1/20

Biochar (soil cover)

Nursery soil → Biochar

Seed depth : 1 2 3
2-3 seeds size

2-3 seeds/pot
Select good ones.
1 seedling/pot

Plastic tunnel

Plant in the field at 3-4 leaf stage.

Transplanting

Mulching Bamboo frame Plastic cap Straw mulch on full bed

Water

10-15 cm

2 m

1. Irrigate right after transplanting and then do mulching with rice husk, rice or wheat straw.

2. After mulching irrigate once again. Make a frame for capping.

3. After transplanting, provide plastic cap to keep moisture and prevent from cold air. On the other hand, make 15-20 holes at the top of the cap as a countermeasure of over heating. One side of the plastic should be opened after every week for irrigation if there is no rain.

