

MARCANTI CABBAGE HYBRID CROP MANAGEMENT

1.1. Site Selection

Choose an area with easy access, good exposure, preferably next to a stream, not liable to flooding, and preferably with a sandy clay soil.

1.2 The Nursery and Planting Season

- **February** for the first crop of the rainy season
- **July** for the second crop of the rainy season
- **August to September** for the dry season crop



For the nursery, construct boards 80cm to 1m wide and 5m long in the shade. Mix the soil with 25 kg of well-decomposed manure at 5 kg per m².

Water well before planting lines 20 to 25cm apart and widen slightly with a small stick, then mix the seeds with fine sand and sow within the lines and cover with about 1 cm of soil.

1.3 Seed Quantity to be Used per Hectare

It takes about 300g of **Marcanti F1 (hybrid)** cabbage seed for one hectare, that is 100 m² (5 20m x 1m boards) of nursery.

2 . TRANSPLANTATION / TRANSPLANTING

2.1 Soil Preparation

Prepare the soil at least 2 weeks before the full establishment of the plants.

- Clean the intended planting area with the total herbicide **TAIFUN 360 SL** or **ZOOMER 360/30 SC** which is for long persistent action against perennial weeds. (Dose: 2 to 4 l / ha or 160 to 320ml in 15l spray.
- Prepare 120 cm wide boards spaced 60 cm apart with a height of 15-20 cm.
- Plow a flat depth of about 30 cm.
- Picket and make planting holes about 20 cm in diameter and 15 cm in depth with chosen spacing of 40cm x 40cm or 50cm x 50cm. In these planting holes, incorporate manure or compost (15 to 25t/ha) one week before transplantation.

2.2 Transplanting

- Water the nursery bed before transplanting and use a shovel spade to remove the plants.

- Choose robust and well-formed having 5 to 6 leaves (20 to 25 days after planting).
- Dress seedlings by cutting in half the roots to stimulate recovery.
- Place a seedling in each hole and tamp the soil firmly with your fingers to ensure good recovery of the plant.
- Preferably transplant in the evening.

2.3 Crop Density

This depends on the chosen spacing.

- Either 62,500 plants per hectare with a spacing of 40 cm × 40 cm between the plants or
- 40,000 plants per hectare with a spacing of 50 cm × 50 cm between the plants

2.4 Care

- Water abundantly after transplanting
- Irrigate two to three times per week if the crop is during the dry season.
- Drain in the rainy season when water is stagnant.
- Avoid excess water when the sprouts are mature.
- Weed and hoe twice before harvest.
- Treat two or three times with a mixture of **PYRINEX QUICK 256EC** and **MASTER COP** at the respective doses of 80 ml and 50 ml per spray of 15L.

NB: Weeding can be done manually or chemically. Use vegetable crops chemical herbicide **AGIL 100EC** at a dose of about 1L/HA, that is 50ml per 15l spray.

3. Fertilization

- At least one week before transplanting, incorporate 100grs of manure per planting hole.
- Apply foliar fertilizer (50gr of TEMAX i.e. quantity of a can of tomato per 15l of sprayer) twice before formation of sprouts.
- Add 7gr of urea per plant, three DAT, being about eight 50kg bags per hectare.

4. Diseases and Enemies (see table)

5. Harvest

Early variety **F1 Marcanti Cabbage** matures 02 months or 60 DAT. The harvest can last from 10 to 15 days.

To harvest, cut off the head of cabbage around the stems with a sharp tool.

Then dig up the stems and throw them out of the field to avoid any contamination if they are carriers of disease.

6. Rendement

Enemies/Diseases	Damage or Symptoms	Product	Treatment and Dose per ha	Period Before Harvesting
Diseases				
Stemphylium	Drying of leaves at the base and the appearance of small black spots on leaves	MASTER COP	Put 50ml in a in a sprayer to treat the plants.	3 DAYS
Various Forms of Decay	Rotting of the leaves at all stages	SHAVIT F	Put 80g in a sprayer of 15l to treat the plants.	3 DAYS
Seedling Blight	Destruction of seedlings raised in nurseries	MASTER COP	Treat the soil in the nursery at a dose of 30ml in the spray.	3 DAYS
Enemies				
Cutworm	Damage to young plants. (Afflicted plants are stunted)	PYRINEX QUICK	80 ml in a 15l sprayer	7 DAYS
<i>Aphids, Whiteflies, Caterpillars</i>	<i>Stunting of leaves and presence of the holes on the leaves.</i>	PYRINEX QUICK	80 ml in a 15l sprayer	7 DAYS
Snails	Holes on leaves	PYRINEX QUICK 256EC et CARAKOL(5g of metaldehyde)	80 ml in a 15l sprayer	7 DAYS
Nematodes	Stunting of plants	COUNTER	At transplanting put 10g in packets	-