

## Managements

- water application every 5-7 days/time
- spraying chemical control of plant diseases and insecticide at 14, 21 and 28 days after sowing.
- at 30-40 days after removing the ear tiller and leave over only one ear.



Fertilizer application with weeding control



Removing tiller and leave over one ear



## Harvesting

Harvesting time will be started when the silk turns brown or 18-20 days after date to silking 50%



Harvesting time and ear packing



Downy mildew, Northern Corn leaf Blight and Rust leaf diseases

## Contract information

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## Bicolor Sweet corn Production



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## Production

**Hybrid Variety:** Wan Maejo 84 F<sub>1</sub> and MJU. No. 6306 F<sub>1</sub>



### Character of ear:

- Bicolor corn ear, sweet and tenderness with 14-17°Brix

**Season:** all year round in irrigation area or rainy late rainy and dry seasons

**Harvesting:** 60-65 days in dry and rainy season and 65-70 days in late rainy or cool seasons

### Field Preparation:

- Plowing soil at 20-30 cm depth one time then sun drying for 7-15 days or 1-2 times soil planting area preparation depends on the condition of planting

### In the irrigation area

- For single row: using 75 cm distance between rows, and 25 cm between hills, each hill sowing 1-2 seeds and then thin to a single plant after 14 days

- For double row: using 110-120 cm distance between rows, and 30 cm distance between hills, each hill 1-2 seeds and then thin to a single plant after 14 days



Field preparing and soil preparations with side dressing fertilizer

## Plantation

### Transplanting

- sowing a seed in plastic tray under rice husk or peatmoss until the seedling have two leaves
- let water run along furrows in field before transplanting
- spraying herbicide and pre-emergence herbicide before transplanting



Sweet corn transplanting

### Direct seeding

- soak and dry the seeds with Dimethomorph (Forum) at rate 7-14 g/1 kg seed.
- sowing 1-2 seeds/hill and cover with soil cover 1-2 cm depth and then thin to a single plant per hill.
- spraying pre-emergence herbicide Atrazine 90% mixed with alachlor before seed germination.



Plantation: Transplanting and direct seeding

## Fertilizer management

### Transplanting

1<sup>st</sup> fertilization: 7 days after transplanting with 46-0-0 of 5 kg/rai and 15-15-15 of 10 kg/rai mixed together in 200 liters of water and apply to the seeding.

2<sup>nd</sup> fertilization: with the same rate at 14 DAT.

3<sup>rd</sup> fertilization: with the same rate at 21 DAT.

4<sup>th</sup> fertilization: at 28 DAT with 46-0-0 (15 kg/rai) and 15-15-15 (20 kg/rai) with weeding control.

5<sup>th</sup> fertilization: at first ear stage with 13-13-21 (15 kg/rai)

### Direct Seeding

1<sup>st</sup> application: using 15-15-15 (50 kg/rai) before sowing seed.

2<sup>nd</sup> application: at 25-30 days after sowing with 46-0-0 (30 kg/rai)

3<sup>rd</sup> application: at first ear stage with 13-13-21 (15 kg/rai)



Irrigation techniques: Furrow, Sprinkler and Drip irrigation