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

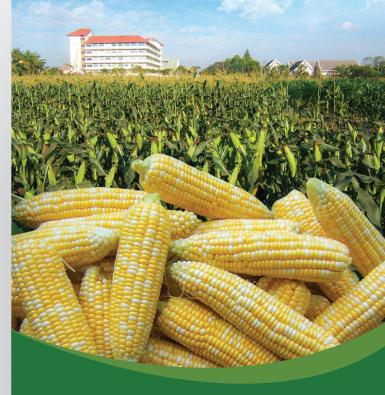
Contract information

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Bicolor Sweet corn Production



Division of Genetic Improvement and Development of Plants and Animal,

The Office of Agricultural Research and Extension, Maejo University, Chiang Mai, Thailand

Production

Hybrid Variety: Wan Maejo 84 F_1 and MJU. No. 6306 F_1



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 seeding 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

- 1st 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.
- 2nd fertilization: with the same rate at 14 DAT.
- 3rd fertilization: with the same rate at 21 DAT.
- 4th fertilization: at 28 DAT with 46-0-0 (15 kg/rai) and 15-15-15 (20 kg/rai) with weeding control.
- 5th fertilization: at first ear stage with 13-13-21 (15 kg/rai)

Direct Seeding

- 1st application: using 15-15-15 (50 kg/rai) before sowing seed.
- 2nd application: at 25-30 days after sowing with 46-0-0 (30 kg/rai)
- 3rd application: at first ear stage with 13-13-21 (15 kg/rai)







Irrigation techniques: Furrow, Sprinkler and Drip irrigation