

Sweet Corn:

Climate: Tropical & Temperate

Selection of field/ land preparation practices: Select well drained medium to heavy soil. 1 Deep ploughing followed by 2 harrowing, After ploughing apply 5-10 MT of FYM.

Sowing Season: All Season

Seed Rate: 2-2.5 kg per acre.

Spacing: Row to Row: 120 cm **Plant to Plant:** 30 cm

Note:

1. Line sowing is recommended in ridges and furrows.
2. We can go for direct sowing as well as nursery raising. Distance between two rows: 60 cm (2 feet) apart, Distance between Plant to Plant: 30 cm (1 foot), Seeds are sown in line at 2.0-3.0 cm depth.
3. Transplanting: Transplanting should be done at 20-25 days after sowing. The plant population should be maintained at 20000 to 22000 per acre.

Fertilizer dose with timing: It needs a balanced and adequate fertilizer supply.

1. **Initial:** 50 Kg DAP + 50 Kg MOP + 10 Kg micronutrient per acre. Top Dressing (After 20 Days): 50 Kg Urea + 10 Kg Magnesium Sulphate + 10 Kg Zinc Sulphate.
2. **Top Dressing (After 40 Days):** 50 Kg DAP + 25 Kg Urea. Top Dressing (After 55 Days): 50 Kg Urea (requirement based).

Irrigation:

1. Irrigation frequency depends upon soil type: Light soils need more frequency. Heavy soils need less frequency.
2. Crop stage: Vegetative stage: maintain adequate moisture for development of roots. Flowering & fruiting - frequent and shallow irrigation. Harvesting - gradually reduce irrigation during harvesting.
3. Growing season: Summer - requires frequent irrigation. Winter- as against the summer season, in winter the irrigation frequency is longer. Rainy - very less frequency depending upon soil moisture.

Weed Control: Timely weed removal is very important, need based hand weeding can be done to ensure healthy crop, 2-3 rounds of weeding is sufficient as per weed intensity.

Harvesting: Complete Silk drying is sign of Maturity. Harvesting should be done during morning or evening so that the products may remain fresh for the market. 75 -78 days in Summer and Kharif and 85 - 90 days after sowing in Rabi.

Expected Yield*: Average yield with standard agronomy practices will be around 8 -10 MT per acre *