

Sweet Corn Tip Sheet



Sweet Corn (*Zea Mays*)

Family: Poaceae (Grass)

Season: Warm

Ease of growing: Medium

Nutrient needs: High

Water needs: Medium

Common propagation: Seed

Seed facts

Germination temperatures: 50°F to 95°F

Germination time 3 to 10 days

Viability: 1 to 3 years

Direct sow: May to July

Transplants

Weeks to grow transplant: 3 to 4

Start: April

Plant out: May

Planning facts

Typical spacing: 6" on 30" rows

Plants per square foot: 1

Days to harvest: 60 to 100 from seed

Variety selection

Sweet corn varieties are categorized primarily according to kernel color (yellow, white or both) and sweetness or texture. In addition to traditional varieties, plant breeders have developed "sugary enhanced" (se) varieties with increased tenderness and "super sweet" (sh2) varieties which have heightened sweetness and slower conversion of sugar to starch after harvest. "Synergistic" varieties combine the tenderness of se and sh2 types.

Preparation and planting

It is important when planting super sweet and white varieties to separate them from

other types since cross pollination will result in expression of yellow and starchy characteristics. Separate varieties by at least 100 feet or plant so that maturity time differs by at least 10 days. Corn does well on most soils but yields best on loose, well drained loams. It is usually direct seeded, though early corn can be grown by transplanting and protecting young plants with row covers. Corn is a heavy feeder, and it will benefit from being planted after legumes. To help insure adequate pollination, at least 10 plants should be sown in a group at each planting. For continuous harvest, plant successive plantings at the time that the previous planting emerges.

Care

To enhance growth, side-dress with nitrogen one month after the plants are up. Corn is relatively drought-tolerant, but adequate moisture is very important after silking to ensure good pollination and prevent poorly filled ears.

Major pests

Insects: Seed corn maggots, cutworms, armyworms, flea beetles, corn leaf aphids, European corn borers, corn earworms, corn rootworm adults.

Diseases: Stewarts wilt and corn smut.

Harvest and storage

Sweet corn is ready when the silks have dried down and the kernels are plump, about three weeks after pollination. Harvest early in the morning and cool immediately to maintain quality. For most varieties, sugars in the kernel begin converting to starch immediately after picking. Super sweet varieties convert more slowly. They may be stored in a refrigerator for a few days without much loss of flavor and quality.

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Developed by James Manning, Undergraduate Research Assistant, and Daniel Brainard, Vegetable Extension Specialist; MSU Department of Horticulture; Gary Heilig, MSU Extension educator.

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