



vegetalis
creative vegetable breeding

Upright Tomato

Seed count: Approx. 9,400 seeds per ounce (330 seeds per gram)

Seed format: Natural seed

Height: **Megabite:** 18 inch (45cm) Spread: 12in (30cm)

Sweet 'n' Neat: 10 inch (25cm) Spread: 8in (20cm)

Totem: 18 inch (45cm) Spread: 10in (25cm)

Botanical Name: Lycopersicon esculentum Mill

Days to Maturity (from Transplant): **Megabite:** 28 to flower, 35 to green fruit, 65 to fruit.

Sweet 'n' Neat: 26 to flower, 35 to green fruit, 65 to fruit

Totem: 28 to flower, 40 to green fruit, 70 to fruit

Plug Production 288 or Larger

Stage 1 2-3 days - Radicle emergence

Use a well-drained, disease-free, peat based plug media with pH 5.5-5.8, EC <0.5mS/cm. Cover seed with coarse vermiculite. Keep media uniformly moist, media temperature should be 70-75°F (21-24°C) air temp. 60-70°F (15-21°C). Light not necessary for germination until radicle emerges.

Stage 2 7 days - Stem and cotyledon emergence

Maintain media to 68-72°F (20-22°C) air temp. 58-68°F (14-20°C) allow media to dry out slightly prior to watering. Light levels 1000-1500 f.c. Keep soil pH 5.5-5.8 and EC to less than 0.50 Fertilizer 14-0-14 (Rate 50-75ppm) every other watering. Irrigate early in the day so foliage is dry by nightfall to prevent diseases.

Stage 3 7 days - True leaf growth

Maintain media temperature to 60-65°F (16-18°C) air temp. 55-60°F (13-16°C) allow media to dry out slightly prior to watering avoiding wilt. Maintain media pH 5.5-5.8 and EC <0.75 mS/cm Light levels 1500-2500 f.c. Increase light intensity to 1500-2500 foot-candles. Fertilizer 14-0-14 (Rate 50-75ppm) every 2nd-3rd watering. Use DIF whenever possible, especially the first 2 hours after sunrise, to control plant height.

Stage 4 7 days - To transplant stage or shipping

Maintain soil temperature to 60-62°F (16-17°C) air temp. 58-65°F (13-18°C). Allow soil to dry thoroughly between irrigations. Ensure you maintain pH at 5.5 to 5.8 and EC <0.75mS/cm. Light levels 1500-2500 f.c. Fertilizer 14-0-14 (Rate 100-150ppm) every other watering.

Growing On to Finish

Well-drained, disease free media with pH 5.5-6.3 and EC <1.0 mS/cm. Keep media uniformly moist, media temperature should be day 65-70°F (18-21°C) night 62-65°F (16-18°C) pH 5.5-6.2. Light levels 4000-5000 f.c. or as high as possible. Fertilizer 15-0-15, 15-5-15 Rate 100-150ppm frequency every 2nd or 3rd watering.

Height Control

The use of chemical growth regulators are not recommended on tomato plants. Growth can be effectively controlled by high light levels and spacing of plants. Once plants are rooted to the sides of the containers they can be allowed to wilt prior to irrigation to provide some height control.