

Tomato F1 Sweet Valentines

Life cycle	Annual / Vegetables
Family / Origin	Solanaceae / South America
Popular uses	Patio plant, (mixed) containers and pots
Mature plant height	30-35 cm (12-14")
Mature plant width	25-30 cm (10-12")
Pot size	10-15 cm (4-5")
Plants per pot	1 plant in small pots 3 plants in large containers
Sun exposure	Full sun
Water requirements	Reduced
Flowering season	Entire growing season
Media	Use a well-drained, porous media is best to prevent over watering pH 5.5-6.2 EC 0.5-1.8 (75-270 ppm N)
Growing temperature	Day temperature 18-21°C (64- 70°F) Night temperature 14-16°C (57-61°F) Higher average day temperature will speed up the process
Light	Increasing day length induces flowering
Fertilizer needs	Balanced N:P:K fertilizer with a calcium-based EC of 1.8-2.5 (270-375 ppm N)
Crop time	15-18 weeks (fruits)
Hardiness zone	N/A



Description

Small fruited and heart-shaped tomato with a very compact self-mounding/cascading plant habit

Growth regulators

Not applicable to edible pot products

Common Diseases

Pythium, Phytophthora, Leaf Spot and Botrytis

Common Pests

Whitefly and Aphids

Plug Production

Seed forms	Profi-seed
Seed count	350-550 seeds/gram (10.000-15.500 seeds/oz); varies by lot!
Recommended plug size	288-128
Seeds cell	1
Vermiculite cover	Light cover
Stage 1 Germination	2-3 days for germination Media pH 5.5 to 6.2 Media EC 0.5-1.0 (75-150 ppm N); use calcium based fertilizers Medium moisture: keep medium saturated; tomato seed needs a lot of moisture Medium temperature: 20-22°C (68-72°F)
Stage 2 Stem and cotyledon	2-3 days for germination Media pH 5.5 to 6.2 Media EC 0.5-1.0 (75-150 ppm N); use calcium based fertilizers Medium moisture: keep medium saturated; tomato seed needs a lot of moisture Medium temperature: 20-22°C (68-72°F)
Stage 3 Growth and development	Moisture: reduce moisture levels and allow medium to dry between watering Do not allow plants to wilt. Temperature: 20-22°C (68-72°F) Fertilizers: to prevent stretching alternate with potassium nitrate at EC 1.0-1.8 (150-270 ppm N) Lighting: light levels of 10.800-26.900 Lux (1.000-2.500 fc) for the remainder of plug production
Stage 4 Ready for transplanting	Maintain soil temperature at 18-20°C (64-68°F) Moisture: reduce moisture levels and allow medium to dry between watering For lighting and fertilizer, see stage 3
Plug crop time	4-5 weeks
Approximate finish time	11-14 weeks
Special tips	Sweet Valentines is a potted plant product. The plant is suitable for patio, terrace and balcony and not suitable for planting in open soil and greenhouse productions