

Capsicum annuum Manhattan

Life cycle	Annual / Vegetables
Family / Origin	Solanaceae / South America
Popular uses	Mixed containers, pots and perfect as table, terrace, balcony or small garden plant
Mature plant height	20-25 cm (8-10")
Mature plant width	30-35 cm (12-14")
Fruit size / diameter	5-6 cm (2-2½") / 0.8-1½ cm (0.3-0.6")
Flower shape / color	Single flower / white
Fruit shape / color	Oblong pointed / green to yellow
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, disease-free, soil-less medium Medium initial nutrient charge pH 5.5-6.3 EC 0.5-1.4 (75-210 ppm N)
Growing temperature	Day temperature 20-24°C (68-75°F) Night temperature 18-20°C (64-68°F) Higher average day temp. will speed up the process
Light	Ornamental peppers prefer full sun, but after transplanting plants must be partial shaded during midday heat
Fertilizer needs	Balanced N:P:K-fertilizer as needed with a calcium-based EC of 1.5-2.0 (225-300 ppm N)
Crop time	10-12 weeks flowers 18-20 weeks fruits



Description

Manhattan is series of sweet pepper with an excellent pot presentation. It has a medium sized, mounding plant habit and produces masses of sweet upright, oblong pointed fruits in shades of yellow or orange.

Growth regulators

No growth regulators are needed.

Common diseases

Pythium, Phytophthora, Leaf Spot and Botrytis

Common pests

Whitefly, Thrips, Aphids and Spider Mites

Pinching

No need, although cutting will enhance re-growth

Crop type

Compact potted vegetable plant

Hardiness zone

N/A

Plug Production

Seed forms	Profi-seed
Seed count	250-300 seeds/gram (7.100- 8.500 seeds/oz); seed count varies by lot!
Seeds cell	1
Vermiculite cover	Thin cover
Stage 1 Germination	5-7 days for germination Media pH 5.5 to 5.8 EC 0.5-0.7 EC (75-105 ppm N); use calcium-based fertilizers Medium moisture: keep medium evenly moist but not saturated Medium temperature: 21-23°C (70-73°F)
Stage 2 Stem and cotyledon	Moisture: reduce moisture levels slightly to encourage root penetration Temperature: 20-22°C (68-72°F) Fertilizers: use calcium- based fertilizers at EC 0.5-1.0 EC (75-150 ppm N) Lighting: provide light levels of 10.800-26.900 Lux (1.000-2.500 fc) for the remainder of plug production
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: as stage 2; to prevent stretching alternate with potassium nitrate at EC 1.2-1.5 (180-225 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	Temperature: 20-22°C (68-72°F) Moisture: reduce moisture levels and allow medium to dry between watering Lighting: light levels of 26.900-53.800 Lux (2.500 to 5.000 fc) for the remainder of plug production Continue to fertilize with EC 1.2-1.5 (180-225 ppm N)
Plug crop time:	4-5 weeks
Approximate finish time	14-15 weeks fruits
Special tips	Calcium is essential for healthy fruit Crops need good air circulation and well-ventilated conditions