



Maché™ Pink

syngenta®flowers

Ranunculus Maché™

Culture Guide

Botanical name: *Ranunculus asiaticus*

Product form: Seed

Containers: Quarts

Habit: Upright

Garden Specifications

Garden Height: 10–12" (25–30 cm) tall

Garden Width: 10–12" (25–30 cm) wide

Exposure: Full sun

USDA zone: 11

AHS zone: 4–1

Product use: Containers, Landscapes

Germination

Stages 1 & 2

Germination time: 14–21 days

Media temp: 50–55 °F (10–13 °C)

Chamber: Yes

Light: Not required for germination

Seed cover: Yes

Moisture level: 5 - SATURATED: Soil is dark brown and shiny, free water is present at the surface of the soil, water drips freely from the bottom of the tray, and trays are heavy with a visible bend in the middle.

Rec. tray size: 288-cell tray

Seeds per cell: 1

Young Plant Production

Stages 3 & 4

Temperature

Day: 52–54 °F (11–12 °C)

Night: 52–54 °F (11–12 °C)

Average daily temperature: 53 °F (12 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 2,500–3,000 foot candles (500–600 micro mols)

Day length response: Facultative long day

Daily light integral: 10–12 mols/day

Media pH: 5.5–5.9

Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 50–75 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 3 and 4.

3 - MOIST: Soil is brown in color, strongly squeezing the soil will extract a few drops of water, and trays are light with no visible bend.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Pinching: No

Plant growth regulators (PGRs): Usually not needed if grown cool. If necessary, due to warm temperatures, spray with B-Nine® WSG at 1,500–2,500 ppm to control growth.

Plug grow time: 8–10 weeks in a 288-cell tray

Comments: Control Thrips to avoid Tospovirus.

Finishing

Temperature

Day: 52–54 °F (11–12 °C)

Night: 50–52 °F (10–11 °C)

Average daily temperature: 52 °F (11 °C)

Lighting

Day extension lighting: Beneficial to 14 hours

Light intensity: 4,000–6,000 foot candles

Day length response: Facultative long day

Daily light integral: 16–18 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly above the level of media in the container. Make sure the root ball is covered and that the plug is situated in the center of the pot.

Media pH: 5.5–5.9

Media EC: SME EC: 1.5–2.1 mS/cm, PourThru EC: 2.3–3.2 mS/cm

Fertilizer: 125–175 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): Ranunculus responds well to sprays of B-Nine® WSG at 2,500–5,000 ppm. If grown cool, PGR applications are usually not necessary. Under warm conditions, 1–3 sprays of B-Nine® WSG may be beneficial to control leaf size.

Tech tip: Control Thrips to avoid Tospovirus.



Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

Moisture level: Media should be allowed to dry between irrigations.

Alternate between moisture level 2 and 4.

2 - MEDIUM: Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Common pests: Aphids, Whiteflies, Leafminers, Thrips, Fungus gnats

Common diseases: Cercospora, Pythium, Botrytis, Tospovirus, Xanthomonas

Scheduling

Size	Crop Time	Plants Per Pot
1.0 quart (4.5 to 5 inch)	12–15 weeks	1 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	13–16 weeks	1–2 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 52 °F (11 °C).

Example crop schedule for a 1.0 pint

Weeks From Transplant	Description
1 week	Scout for Thrips. Treat plants if necessary. Provide long day lighting to speed up flowering if under short days
6 weeks	Ready to ship
8 weeks	Apply plant growth regulators (PGRs) if needed
10 weeks	Apply plant growth regulators (PGRs) if needed
14 weeks	Ready to ship

Maché™ Fire



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