

Matricaria Vegmo Series

(*Tanacetum parthenium*)

Cut Flowers Culture (revised 02/25/21)

Fast year-round crop with good uniform stems. Popular filler flower with good post-harvest life.

General Information

| Cultivation Type | Usage | Stem Length | Timing Group |
|--------------------|--------|-------------------------|--------------|
| Greenhouse, Tunnel | Filler | 28-36 in. (71-91 cm) | N/A |

Germination

| Seed Form | Recommended Plug Size | Seeds/Cell | Plug Crop Weeks | Days from 50% to maximum germination | Initial Media pH/EC (1:2) | Cover Seed |
|-----------|-----------------------|------------|-----------------|--------------------------------------|----------------------------|------------|
| PEL | 288 | 1 | 4-5 | 3-5 | 5.6-5.9 pH 0.5 mmhos/cm | No |

Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|--------------------|---|---|---|---|
| Moisture | Level 5 | Level 3-4 | Level 2-3 | Level 2-3 |
| Temperature | 64-68°F (18-20°C) | 64-68°F (18-20°C) | 64-68°F (18-20°C) | 60-65°F (16-18°C) |
| Light | Optional | 1,500-2,500 f.c. (16,100-26,900 Lux) | 1,500-2,500 f.c. (16,100-26,900 Lux) | 2,500-5,000 f.c. (26,900-53,800 Lux) |
| Fertiliser | Less than 100 ppm N (Less than 0.7 EC) | Less than 100 ppm N (Less than 0.7 EC) | 100 to 175 ppm N (0.7 to 1.2 EC) | 100 to 175 ppm N (0.7 to 1.2 EC) |

Growing on to Finish

| Target Media pH/EC (1:2) | Fertiliser | Daylength |
|--------------------------------|-------------------------------------|-------------------|
| 6.0-6.5 pH 0.2-0.6 mmhos/cm | 100 to 175 ppm N (0.7 to 1.2 EC) | Obligate Long Day |

Daylength Notation

Matricaria has an obligate long day flowering response. Critical daylength is 14 hours. When extending daylength night interruption for 2-4 hours begun at 12:00 am, or early AM extension before dawn are effective. Cyclic lighting for 7.5 minutes every half hour can also be used.

Crop Scheduling

| Cultivation Type | Support | Temperature | Density | Crop Time |
|------------------|-------------|---|---|-------------|
| Greenhouse | Recommended | 16-18°C/60-65°F (day) 13-16°C/55-60°F (night) | 7-8 plants/ft ² (75-86 plants/m ²) | 10-12 weeks |
| Greenhouse | Recommended | 13-14°C/55-58°F (day) 10-11°C/50-51°F (night) | 7 plants/ft ² (75 plants/m ²) | 14-16 weeks |
| Greenhouse | Recommended | 22-24°C/72-76°F (day) 16-23°C/60-74°F (night) | 8 plants/ft ² (86 plants/m ²) | 7-10 weeks |

Fertiliser Notation

Soil EC levels should be maintained at 0.2 to 0.6 during crop production. When fertilizing through the irrigation system, maintain EC levels from 0.8 to 1.2. Very high EC levels promote lack of plant uniformity. Utilize potassium nitrate during the bud formation. Matricaria is sensitive to high salts.

Common Problems

Insects: aphids, leaf miners, Lepidopterous larvae, thrips Diseases: Botrytis, Pythium, Rhizotonia, Sclerotinia, Tospo viruses Other: Rosetting due to lack of sufficient daylength, tip abortion or leaf burning due to inadequate temperature control

Finishing Key Tips

Stem length is affected by daylength, temperature and fertility. High temperatures during induction will result in shorter stems. Matricaria is not sensitive to ethylene.

Harvest

Harvest when stem has 65-75% of flowers open.

Post Harvest

Use a holding solution for best performance.

Vase Life

Vase life average 11 days.

NOTE: Growers should use the information presented here as guidelines only. PanAmerican Seed recommends that growers conduct a trial of products under their own conditions. Crop times will vary depending on the climate, location, time of year, and greenhouse environmental conditions. It is the responsibility of the grower to confirm the treatment is available in their region as well as read and follow all the current label directions relating to the products. Nothing herein shall be deemed a warranty or guaranty by PanAmerican Seed of any products listed herein. PanAmerican Seed's terms and conditions of sale shall apply to all products listed herein.

Variety Pictures



Single



Snowball Extra



Sunny Ball



Yellow



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