

Matthiola Katz Hi Double Series

(*Matthiola incana*)

Cut Flowers Culture (revised 10/23/18)

More usable stems

NEW Katz Hi Double White provides greater than 90% yield of usable double-flowered stems, and this top-selling colour also has flower quality to match current Katz White.

Stem length: 32 in./81 cm

Planting density: 12 plants/ft.² (126 plants/m²)

Best for: High tunnel, field

Plug crop time: 4 weeks

Transplant to finish: 8 to 13 weeks

- Delivers shorter crop time, uniform stem length and timing between colours, and better heat tolerance than European or traditional field types.
- Can be grown earlier and later in the season, and even year-round in some climates, allowing for programmable Christmas through Valentine's Day flowering.
- NEW Katz Hi Double White provides greater than 90% yield of double-flowered stems in this top-selling colour.
- 5% of PanAmerican Seed net seed sales of Katz are donated to PanCan for Pancreatic Cancer research in honor of Philip Katz, former PanAmerican Seed Product Manager.

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Spring, Autumn	32 in. (81 cm)	-	-

Germination

Seed Form	Recommended Plug Size	Seeds/Cell	Plug Crop Weeks	Days to Germinate	Initial Media pH/EC	Cover Seed
RAW	512	1	4	3-4	5.8-6.2 pH 0.75 mmhos/cm	Yes

Plug Production

	Stage 1	Stage 2	Stage 3	Stage 4
Moisture	Level 4	Level 3-4	Level 3-4	Level 3
Temperature	68-72°F (20-22°C)	60-65°F (16-18°C)	60-65°F (16-18°C)	55-60°F (13-16°C)
Light		1,000-2,500 f.c. (10,800-26,900 Lux)	1,000-2,500 f.c. (10,800-26,900 Lux)	2,500-5,000 f.c. (26,900-53,800 Lux)
Fertilizer		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

Propagation Key Tips

Katz Hi Double produces a minimum of 90% double-flowering plants. Katz Hi Double is not recommended for seedling selection of double-flowering plants. Incorporate a preventative fungicide program for Downy Mildew control.

Growing on to Finish

Growing on Temperature	Target Media pH/EC	Fertilizer	Daylength
Before flower development: (day) 60-75°F (16-24°C) (night) 45-55°F (7-13°C)	5.8-6.5 pH 1.5-2.0 mmhos/cm	175 to 225 ppm N - 1.2 to 1.5 EC	-

Crop Scheduling

Crop Type	Season	Density	Crop Time
-	Autumn	12 plants/ft ² (129 plants/m ²)	7-11 weeks
-	Spring	12 plants/ft ² (129 plants/m ²)	8-13 weeks

Fertilizer Notation

Fertilize twice a week at rate 3 (175 to 225 ppm N/1.2 to 1.5 mS/cm EC) from a nitrate-based fertilizer with low phosphorus. Maintain EC at about 1.5 to 2.0 mS/cm (1:2 extraction) and pH at 5.8 to 6.5. Continue fertilizing until harvest.

Common Problems

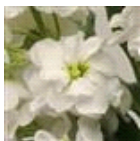
Insects: Aphids, Thrips, Caterpillars Diseases: Downy Mildew, Botrytis

Finishing Key Tips

Crop time is dependent on daylength and light intensity. As a general guide, with daylength of 13 hours or more, the crop time will be 8 weeks from planting. Shorter days will slow the crop time, depending on the temperature, up to 13 weeks from planting. Best performance when grown in tunnels.

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



White

PanAmericanSeed™

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