

Verbena Santos Purple

(*Verbena rigida*)

Plug crop time: 6 to 7 weeks

Transplant to finish: 11 to 13 weeks

Perennials Culture (revised 10/31/23)

- One of the best tough and long-lasting landscape perennials available – very heat and drought tolerant, plus exceptional performance in cool climates.
- Compact and upright, well-branched plants bloom late Spring through Summer.
- High powdery mildew resistance.
- Ideal for use in combo planters.

General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|----------|--|-------------------|--------------------|-------------------|
| Sun | Late Spring, Summer, Late Summer, Autumn | 12 in. (30 cm) | 48 in. (122 cm) | 16 in. (41 cm) |

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 |
|-----------|-----------------------|------------|-----------------|--------------------------------------|-----------------------------|------------|
| PRM | 288 128* | 4 4 | 6-7 8 | 7-10 | 5.5-6.2 pH 0.75 mmhos/cm | Yes |

* Recommend plug size for forcing.

Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|--------------------|-------------------------------------|--|---|--|
| Moisture | Level 4 | Level 3 | Level 2 | Level 2 |
| Temperature | 68-72° F (20-22° C) | 65-68°F (18-20°C) | 60-65°F (16-18°C) | 60-65°F (16-18°C) |
| Light | Dark | 2,000-2,500 f.c. (21,500-26,900 Lux) | 2,000-2,500 f.c. (21,500-26,900 Lux) | 4,000-5,000 f.c. (43,100-53,800 Lux) |
| Fertiliser | 100 to 175 ppm N (0.7 to 1.2 EC) | 100 to 175 ppm N (0.7 to 1.2 EC) | | 100 to 175 ppm N (0.7 to 1.2 EC) |
| PGR | | daminozide/chlormequat chloride tank mix/1,500/200-2,500/300 ppm/Spray | | daminozide/chlormequat chloride tank mix/2,500/300-3,750/500 ppm/Spray |

Vernalisation

No

Propagation Key Tips

For forcing info: see Perennials Forcing Guide.
Spray damp-off fungicide.

Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | Daylength |
|--|--------------------------------|-------------------------------------|----------------------|
| (day) 65-68°F (18-20°C) (night) 60-65°F (16-18°C) | 5.5-6.2 pH 1.3-1.5 mmhos/cm | 175 to 225 ppm N (1.2 to 1.5 EC) | Facultative Long Day |

Daylength Notation

For forcing info: See Perennials Forcing Guide.

Crop Scheduling

| Crop Type | Container Size | Plugs/Pot | Crop Time | Season | PGR |
|-----------|----------------------|-----------|---------------|-------------|--|
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 11-14 (weeks) | Late Spring | daminozide/chlormequat chloride tank mix 2,000-2,500 ppm Spray |
| Annual | 4"/4.5"/Quart/10 cm | 1 (ppp) | 11-14 (weeks) | Late Spring | daminozide 2,000-2,500 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-4 (ppp) | 10-13 (weeks) | Summer | daminozide/chlormequat chloride tank mix 2,000-750 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-4 (ppp) | 10-13 (weeks) | Summer | daminozide 2,000-2,500 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-4 (ppp) | 11-14 (weeks) | Late Spring | daminozide/chlormequat chloride tank mix 2,000-750 ppm Spray |
| Annual | 5"/6"/1 Gallon/15 cm | 3-4 (ppp) | 11-14 (weeks) | Late Spring | daminozide 2,000-2,500 ppm Spray |

Fertiliser Notation

Apply fertiliser at rate 1 to 2 (100 to 125 ppm N/1.1 to 1.3 mmhos/cm EC) or 200 ppm as needed. Maintain the pH at 5.5 to 6.

Common Problems

Monitor for Powdery Mildew, Aphids and Thrips.

Finishing Key Tips

Grow dry and light. Relatively high fertilisation. Avoid high N. Prevent Mg and Fe deficiency.

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



Santos Purple

Santos Purple

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PanAmerican Seed Co.
622 Town Road, West Chicago, Illinois, USA, 60185
+1 800-231-7065 PanAmSeed.com

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