

Verbena Santos Purple

(*Verbena rigida*)

Perennials Culture (revised 02/22/19)

Plug crop time: 6 to 7 weeks

Transplant to finish: 11 to 13 weeks

USDA Hardiness Zones: tender perennial; 7a to 11 (0°F/-18°C minimum temperatures)

- Kieft Seed offers the first high-yield primed seed form of Santos Purple – count on reliable availability, high germination and excellent plug yield for this popular variety.
- 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.
- Good in baskets and combo planters, too.

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 to Germinate	Initial Media pH/EC	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)
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	100 to 175 ppm N - 0.7 to 1.2 EC

Vernalization

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	Fertilizer	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	1 (ppp)	11-14 (weeks)	Late Spring	daminozide/chlormequat chloride tank mix 2,000-2,500 ppm Spray
Annual	4"/4.5"/Quart	1 (ppp)	11-14 (weeks)	Late Spring	daminozide 2,000-2,500 ppm Spray
Annual	5"/6"/1 Gallon	3-4 (ppp)	10-13 (weeks)	Summer	daminozide/chlormequat chloride tank mix 2,000-750 ppm Spray
Annual	5"/6"/1 Gallon	3-4 (ppp)	10-13 (weeks)	Summer	daminozide 2,000-2,500 ppm Spray
Annual	5"/6"/1 Gallon	3-4 (ppp)	11-14 (weeks)	Late Spring	daminozide/chlormequat chloride tank mix 2,000-750 ppm Spray
Annual	5"/6"/1 Gallon	3-4 (ppp)	11-14 (weeks)	Late Spring	daminozide 2,000-2,500 ppm Spray

Fertilizer Notation

Apply fertilizer 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 fertilization. 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

PanAmericanSeed™

PanAmerican Seed Co.
622 Town Road, West Chicago, Illinois, USA, 60185-2698
630 231-1400 Fax: 630 231-3609 PanAmSeed.com

™ denotes a trademark of and ® denotes a registered trademark of Ball Horticultural Company in the US. It may also be registered in other countries.
©2019 Ball Horticultural Company