GrowerFacts

PanAmericanSeed®

Zinnia Zesty™ Series

(Zinnia elegans (syn. Zinnia violaceae))

Annuals Culture (revised 11/02/23)

Plug crop time: 3 to 4 weeks
Transplant to finish: 6 to 7 weeks

- Extraordinary garden appeal!
- Features fully double flowers and excellent garden vigour.
- Displays huge, vibrant colours all season long.
- Impressive in containers, mixed combinations and borders.
- Pollinators love this plant!

General Information

Exposure	Bloom Season	Height	Spread	Spacing
Sun	Late Spring, Summer, Late Summer, Autumn	18-24 in. (46-61 cm)	18-24 in. (46-61 cm)	10-12 in. (25-30 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
COT	288	1	3-4	2-3	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 3-4
Temperature	68-73°F (20-23°C)	68-75°F (20-24°C)	68-75°F (20-24°C)	65-70°F (18-21°C)
Light	Optional	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)
Fertiliser		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)
PGR			daminozide/2,500 ppm/Spray	daminozide/2,500 ppm/Spray

Propagation Key Tips

Do not hold the plugs too long, as this may cause delay in flowering.

Growing on to Finish

Growing on Temperature	Target Media pH/EC (1:2)	Fertiliser	Daylength
(day) 70-85°F (21-29°C) **(night)** 60-68°F (16-20°C)	5.5-6.0 pH 0.75 mmhos/cm	225 to 300 ppm N (1.5 to 2.0 EC)	Facultative Short Day

Crop Scheduling

Container Size	Plugs/Pot	Crop Time	Season	PGR
4"/4.5"/Quart/10 cm	1 (ppp)	6-7 (weeks)	Spring	daminozide 1,500-3,500 ppm Spray
5"/6"/1 Gallon/15 cm	1 (ppp)	6-7 (weeks)	Spring	daminozide 1,500-3,500 ppm Spray
4"/4.5"/Quart/10 cm	1 (ppp)	6-7 (weeks)	Late Spring	paclobutrazol 5 ppm Drench
5"/6"/1 Gallon/15 cm	1 (ppp)	6-7 (weeks)	Late Spring	paclobutrazol 5 ppm Drench

Common Problems

Avoid moisture/humidity condesation in the greenhouse, as this can cause Botrytis. A preventative fungicide program is recommended for powdery mildew control.

Finishing Key Tips

Growth regulators are recommended for pack and container production. Foliar sprays of daminozide at 1,500-3,500 ppm (rate dependent on temperature) applied 2 to 3 times are beneficial for Zesty zinnia. First application can be done 1 week after transplant, followed by a second application one week later. If necessary, a third application can be done 3 to 4 weeks after transplant. Adjust PGR rates and frequency of application depending on local conditions. Keep light as high as possible. A DLI below 8 $mol \cdot m^{-2} \cdot d^{-1}$ reduces flower doubleness on this crop.

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

Fuchsia

Orange

Pink

Purple

Scarlet

White

Yellow

Mixture

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