

Zinnia Zesty™ Series

(*Zinnia elegans* (syn. *Zinnia violaceae*))

Annuals Culture (revised 12/07/21)

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, 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) |
| 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) |
| 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) | Fertilizer | 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 condensation 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. A DLI below 8 mol·m⁻²·d⁻¹ reduces 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.

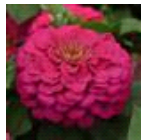
Variety Pictures



Fuchsia



Orange



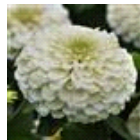
Pink



Purple



Scarlet



White



Yellow



Mixture

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