# GrowerFacts

PanAmericanSeed®

## Alyssum Clear Crystal® Series

*(Lobularia maritima)*

Annuals Culture (revised 01/23/21)

**Plug crop time:** 4 weeks
**Transplant to finish:** 4 to 6 weeks

- Tetraploid alyssums deliver more vigour than standard diploids for reduced loss and increased profits.
- Few PGRs are needed in most markets – cool-season crop can be grown with little or no heat for Spring pack programs.
- More vigorous with larger flowers than Easter Bonnet.
- Fragrant, large blooms and stronger performance in containers, hanging baskets and in-ground plantings.
- Well-matched series includes the first pigmented tetraploid alyssums.

## General Information

| Exposure | Bloom Season | Height | Spread | Spacing |
|---|---|---|---|---|
| Sun | Early Spring, Spring, Autumn | 6-10 in.<br>(15-25 cm) | 12-14 in.<br>(30-36 cm) | 6-10 in.<br>(15-25 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, MPL | 288 | 5-6<br>1 | 4 | 3-4 | 5.8-6.2 pH<br>0.75 mmhos/cm | Yes |

## Plug Production

| | Stage 1 | Stage 2 | Stage 3 | Stage 4 |
|---|---|---|---|---|
| **Moisture** | Level 4 | Level 3 | Level 3 | Level 2 |
| **Temperature** | 70-72°F<br>(21-22°C) | 65-75°F<br>(18-24°C) | 65-75°F<br>(18-24°C) | 60-70°F<br>(16-21°C) |
| **Light** | | 1,000-2,500 f.c.<br>(10,800-26,900 Lux) | 1,000-2,500 f.c.<br>(10,800-26,900 Lux) | 2,500-5,000 f.c.<br>(26,900-53,800 Lux) |
| **Fertiliser** | | Less than 100 ppm N<br>(Less than 0.7 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) | 100 to 175 ppm N<br>(0.7 to 1.2 EC) |

### Propagation Key Tips

Sow 1 multi-seed pellet or multiple-sow film-coated seed with 5 to 6 seeds per cell for best performance. Note that the multi-seed pellet form requires a thick layer of vermiculite and sufficient water to dissolve the pellet at sowing; this is especially true in low humidity environments. PGRs are not generally required for plug propagation. It is recommended to incorporate a Downy Mildew preventative fungicide program for alyssum plug propagation.

## Growing on to Finish

| Growing on Temperature | Target Media pH/EC (1:2) | Fertiliser | Daylength |
|---|---|---|---|
| **(day)** 60-75°F (16-24°C)<br>**(night)** 55-60°F (13-16°C) | 5.8-6.2 pH<br>1.5-2.0 mmhos/cm | 175 to 225 ppm N<br>(1.2 to 1.5 EC) | Day Neutral |

## Crop Scheduling

| Container Size | Plugs/Pot | Crop Time | Season | PGR |
|---|---|---|---|---|
| 306 Pack/1801 | 1 (ppp) | 4-6 (weeks) | Late Spring | - |
| 4"/4.5"/Quart/10 cm | 1 (ppp) | 7 (weeks) | Late Spring | - |

## Fertiliser Notation

Starting 1 week after transplant, apply fertilizer at rate 3 (175 to 225 ppm N/1.2 to 1.5 mS/cm) using a predominantly nitrate-based fertilizer with low phosphorus. If needed, alternate with a balanced ammonium and nitrate-based fertilizer to encourage growth and balance the media pH. Maintain the media EC at 1.50 to 2.00 mS/cm and pH at 5.8 to 6.2. Excessive fertilizer levels will result in large, lush leaves and smaller flower count, whereas fertilizer stress will cause very small leaves, hard plants and yellow lower leaves.

## Chemical Sensitivity

Avoid using copper-based fungicides on alyssum.

## Common Problems

Diseases: Downy Mildew. Also, a preventative fungicide application for damping off during plug production is recommended.

## Finishing Key Tips

Cool-season crop can be grown with little or no heat. Grow outdoors or at cool night temperatures for best colour development.

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

Lavender Shades

Purple Shades

White

Mixture

PanAmerican Seed Co.
622 Town Road,West Chicago, Illinois, USA, 60185-2698
**+1 800-231-7065 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.
©2024 Ball Horticultural Company