



North Face™ White

syngenta®flowers

Alyssum North Face™

Culture Guide

Botanical name: *Lobularia maritima*

Product form: Seed

Containers: Packs, Pints, Quarts, Gallons, Hanging Baskets

Habit: Trailing/Spreading

Garden Specifications

Garden Height: 5–6" (13–15 cm) tall

Garden Width: 12–16" (30–40 cm) wide

Exposure: Full sun

USDA zone: 11

AHS zone: 12–1

Product use: Packs, Containers, Hanging Baskets, Landscapes, Patio Pots, Combos

Germination

Stages 1 & 2

Germination time: 3–4 days

Media temp: 68–72 °F (20–22 °C)

Chamber: No

Light: Not required for germination

Seed cover: Yes

Moisture level: 4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Rec. tray size: 288-cell tray

Seeds per cell: 3–5

Young Plant Production

Stages 3 & 4

Temperature

Day: 66–68 °F (19–20 °C)

Night: 66–68 °F (19–20 °C)

Average daily temperature: 67 °F (19 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 2,000–3,000 foot candles (400–600 micro mols)

Day length response: Day neutral

Daily light integral: 8–10 mols/day

Media pH: 5.5–5.9

Media EC: SME 0.5 to 0.75 mS/cm

Fertilizer: 75–125 ppm N

Moisture level: Media should be allowed to dry between irrigations. Alternate between moisture level 2 and 4.

2 - MEDIUM: Soil is light brown in color, no water can be extracted from soil, and soil will crumble apart.

4 - WET: Soil is dark brown but not shiny, no free water is seen at the surface of the soil, when pressed or squeezed water drips easily, and trays are heavy with a visible bend in the middle.

Pinching: No

Plant growth regulators (PGRs): Spray with Bonzi® at 1–3 ppm or A-Rest® at 3–5 ppm as needed.

Plug grow time: 3–4 weeks in a 288-cell tray

Comments: Avoid stressing Alyssum with water, fertilizer, and high light, as this can cause lower leaves to drop. It is best to germinate on the bench to avoid hypocotyl stretch.

Finishing

Temperature

Day: 66–68 °F (19–20 °C)

Night: 60–62 °F (16–17 °C)

Average daily temperature: 64 °F (18 °C)

Lighting

Day extension lighting: Not necessary

Light intensity: 2,000–4,000 foot candles

Day length response: Day neutral

Daily light integral: 10–12 mols/day

Transplanting: Transplant directly into the finished container. Place the rooting media slightly below the level of media in the container. Make sure the root ball is covered and that the plug is situated in the center of the pot.

Media pH: 5.5–5.9

Media EC: SME EC: 0.9–1.3 mS/cm, PourThru EC: 1.4–2.0 mS/cm

Fertilizer: 75–125 ppm N

Pinching: No. Pinching is not recommended or needed.

Plant growth regulators (PGRs): Sprays of Bonzi® at 10 ppm or Sumagic® at 2 ppm are effective in controlling growth. If more growth control is needed after buds have set, drench with Bonzi® at 2–3 ppm or Sumagic® at 0.5 ppm. PGR sprays at this time will delay flowering.

Tech tip: Feed with a nitrate-based fertilizer such as 15–5–15 or 17–5–17. If lower leaves start to yellow, an occasional feed with 20–10–20 will help to green them up. Use a preventative spray program against Downy mildew. Keeping Alyssum too wet tends to lead to damping off diseases.



Try Chrysal Alesco®, a postharvest foliar spray, to protect ethylene sensitive crops during shipping and retail

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Common pests: Thrips

Common diseases: Damping off, Pythium, Botrytis, Downy mildew

Scheduling

Size	Crop Time	Plants Per Pot
Large Packs	4–6 weeks	1 ppp
1.0 pint (4 inch)	5–6 weeks	1–2 ppp
1.0 quart (4.5 to 5 inch)	5–6 weeks	2–3 ppp
1.25 to 2.5 quart (5.5 to 6.5 inch, trade gallon)	5–6 weeks	3–4 ppp
1.5 gallon hanging basket (10 inch basket)	6–7 weeks	6–7 ppp

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 64 °F (18 °C).

Example crop schedule for a large pack

Weeks From Transplant	Description
1 week	Start a preventative fungicide program for Downy mildew
3 weeks	Spray with Bonzi® at 10 ppm or Sumagic® at 2 ppm if needed
6 weeks	Ready to ship

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