



Obsession™ Cascade Pink Shades Verbena

# Obsession™ Cascade Verbena

## Culture Guide

*Verbena x hybrida*

Exciting new mounding and spreading verbena series that fills pots and baskets quickly, with vibrant and unique flower patterns.

**Minimum seed germination rate:** 85%

**Product form:** Raw, primed

**Container size:** 4- to 6-inch pots, baskets, patio containers

**Habit:** Spreading/mounding

### Garden Specifications

**Garden height:** 8–10"

**Garden width:** 18–24"

**Light:** Part shade to full sun

**USDA Hardiness Zone:** 11

**AHS Heat zone:** 12–1

**Product use:** Beds, containers, hanging baskets, mixed combinations

### Germination

**Germination time:** 4–7 days

**Media temperature:** 73–76 °F (20–22 °C)

**Chamber:** Optional

**Light:** Not required for germination

**Seed cover:** Cover seed with a thin layer of media or coarse-grade vermiculite.

**Moisture Level:** Moisture level 3 (medium) until germination is complete.

**Recommended tray size:** 288- or 128-cell tray

**Seeds per cell:** One



Obsession™ Cascade Twister Red Verbena



Obsession™ Cascade Purple Shades with Eye Verbena

### Young Plant Production

#### TEMPERATURE:

**Day:** 68–72 °F (20–22 °C)

**Night:** 68–72 °F (20–22 °C)

#### LIGHTING:

**Recommended day length:** Greater than 14 hours

**Light intensity:** 3,500–4,000 foot candles, 700–900 micro mols

**Day length response:** Facultative long day

**Daily light integral:** 12–20 mols/day

**Media pH:** 5.8– 6.2

**Media EC:** 1.2–1.5 mS/cm

**Fertilizer:** 50–75 ppm Nitrogen

**Pinching:** No

**Plant growth regulators (PGRs):** Spray B-Nine® (daminozide) PGR at 3,500–5,000 ppm, Bonzi® (paclobutrazol) at 5–10 ppm, A-Rest® (ancymidol) at 5–10 ppm, or Cycocel® (chlormequat chloride) at 750–1,000 ppm to tone plugs.

**Plug grow time:** 6–7 weeks

**Tech Tips:** Maintain a moisture level 3 (medium) until seeds have germinated to maximize yields. Once cotyledons have expanded, trays can be watered up to a level 4 before drying back to a level 2. Gradually reduce temperature to 68–72 °F (20–23 °C) after cotyledon expansion.

## Finishing

### TEMPERATURE:

**Day:** 68–75 °F (20–24 °C)

**Night:** 64–68 °F (18–20 °C)

**Average daily temperature:** 68–75 °F (20–24 °C)

### LIGHTING:

**Recommended day length:** Greater than 14 hours

**Light intensity:** 3,500–4,000 foot candles (700–800 micro mols)

**Day length response:** Facultative long day

**Daily light integral:** 12–20 mols/day

**Media pH:** 5.8–6.2

**Media EC:** 1.5–2.0 mS/cm (saturated media extract)

**Fertilizer:** 100–150 ppm Nitrogen

**Pinching:** Optional. Pinching will create a more branched, fuller plant but will delay flowering by approximately 10 days.

**Plant growth regulators (PGRs):** Bonzi (paclobutrazol) drench at 1–3 ppm. Also responds to sprays of B-Nine (daminozide) at 3,500–5,000 ppm, Bonzi (paclobutrazol) at 10–20 ppm, or Sumagic® (uniconazol) at 5–10 ppm. Multiple applications as needed.

**Pests:** Fungus gnats, shore flies, thrips, aphids, spider mites

**Diseases:** Pythium, Rhizoctonia, Powdery mildew



Obsession™ Cascade  
Red with Eye  
Verbena

## Scheduling

Container size	Crop time after transplant (wks)	Plants per pot
1-quart (4-inch)	7–8	1
1.25-quart, 2.5-quart (6-inch to 1-gallon)	7–8	1–2
3.0-quart (8-inch, 2-gallon)	8–9	2–3
1.5-gallon baskets (10-inch baskets)	8–9	3–4
2.0-gallon baskets (12-inch baskets)	8–9	4–5
3.0-gallon planter (14-inch planter)	8–9	4–5

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 73 °F (23 °C).

### EXAMPLE CROP SCHEDULE FOR 4-INCH OR QUART POTS

**Week 1:** Sow into 288 or similar plug tray, cover seed with a light soil or coarse vermiculite layer.

**Week 2:** Lower temperature to 68–72 °F once cotyledons have expanded.

**Week 4:** PGR—Spray B-Nine or Bonzi to tone plugs.

**Week 6:** Transplant one plug per pot for quart pots and finish at 68 °F ADT and minimum DLI of 12–15 mols/day.

**Week 8:** PGR—Bonzi drench. A second application may be needed two weeks later.

**Week 13–14:** Finish

syngenta flowers

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