



Sugar Rush™  
Purple Bicolor

syngenta®flowers

# Wallflower Sugar Rush™

## Culture Guide

**Botanical name:** *Cheiranthus cheiri*

**Product form:** Seed

**Containers:** Packs, Pints, Quarts, Gallons

**Habit:** Upright

### Garden Specifications

**Garden Height:** 8–10" (20–25 cm) tall

**Garden Width:** 8–10" (20–25 cm) wide

**Exposure:** Full sun

**USDA zone:** 2–11

**AHS zone:** 6–1

**Product use:** Packs, Containers, Landscapes, Patio Pots

### Germination

Stages 1 & 2

**Germination time:** 9–10 days

**Media temp:** 68–72 °F (20–22 °C)

**Chamber:** Optional

**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:** 1

### Young Plant Production

Stages 3 & 4

#### **Temperature**

**Day:** 64–66 °F (18–19 °C)

**Night:** 62–64 °F (17–18 °C)

**Average daily temperature:** 65 °F (18 °C)

#### **Lighting**

**Day extension lighting:** Not necessary

**Light intensity:** 3,000 foot candles (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):** To help prevent stretch and floppiness, sprench with Bonzi® at 1 ppm during seedling emergence or spray with Bonzi at 10 ppm during stage 3.

**Plug grow time:** 4–5 weeks in a 288-cell tray

**Comments:** It is important to treat with Bonzi early in the plug cycle, as stated above to help create a stronger main stem.

### Finishing

#### **Temperature**

**Day:** 60–62 °F (16–17 °C)

**Night:** 58–60 °F (14–16 °C)

**Average daily temperature:** 60 °F (16 °C)

#### **Lighting**

**Day extension lighting:** Not necessary

**Light intensity:** 4,000–6,000 foot candles

**Day length response:** Facultative long day

**Daily light integral:** 12–14 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:** 125–175 ppm N

**Pinching:** No. Pinching is not recommended or needed.

**Plant growth regulators (PGRs):** Under favorable conditions, growing on the dry side will control growth adequately. Fall crops usually require a PGR application due to the warmer temperatures. Sprays of B-Nine® WSG at 2,500 ppm plus Cycocel® at 1,000 ppm are effective as are sprays of Bonzi® at 20 ppm.

**Tech tip:** Providing day length of longer than 13 hours in the spring will promote faster flowering. Do not let media stay saturated during periods of low light levels or root rot may occur.

## Scheduling

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

Estimated finish crop time is from transplant of a 288-cell tray and finished at an average daily temperature (ADT) of 60 °F (16 °C).

## Example crop schedule for a large pack

Weeks From Transplant	Description
1 week	Provide 13 hours plus day length extension lighting if under short days
3 weeks	Apply PGRs if under higher than optimal temperatures
6 weeks	Ready to ship

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**Common pests:** Thrips, Spider Mites, Aphids

**Common diseases:** Botrytis, Sclerotinia, Powdery Mildew, Pythium, Rhizoctonia



Sugar Rush™ Mix

syngenta® flowers

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