

GrowerFacts Extra
Cuphea Sweet Talk™

Additional Culture Research

from

PanAmericanSeed®

Cuphea Sweet Talk™

PGR Response, published 2022

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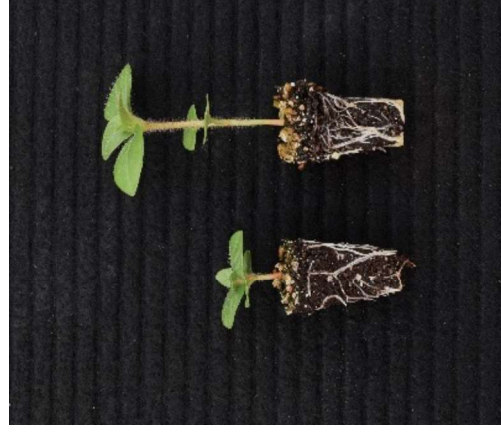
Plug PGR response: It is critical to apply PGR before radical emergence (RE) stage or within 3 days (72 hours) from sowing. Paclobutrazol (Bonzi) 1 ppm sponch at RE stage (3 days from sowing) worked best for controlling hypocotyl stretch and final plug height.

Lavender Splash



Bonzi 1 ppm sponch at RE

Control



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Finish PGR response:

1. It responds well to Bonzi 1 ppm drench at 2 weeks after transplant (WAT) under average (ADT) daily temperature (ADT) 69°F/20°C and DLI 16.2 mol·m⁻²·d⁻¹.
2. Under warmer conditions of ADT around 73°F/23°C, Bonzi drench can be increased to 2 ppm at 2 WAT.

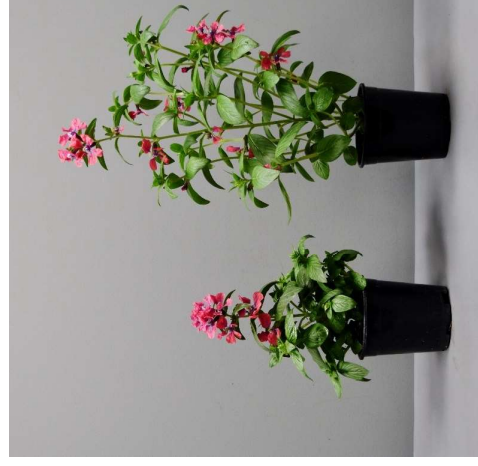
Lavender Splash Quart



Bonzi
1 ppm
drench

Control

Deep Pink Quart



Bonzi
1 ppm
drench

Control

Red Quart



Bonzi
1 ppm
drench

Control

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Optional PGR treatment: In cooler conditions (ADT < 70°F/21°C), the Bonzi/B-Nine tank mix multiple sprays can also give height control; however, this treatment will delay flowering.



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RECOMMENDATIONS

- For plug stage, paclobutrazol (Bonzi) 1 ppm sprinch should be applied before radical emergence (RE) or within 3 days (72 hours) from sowing to control hypocotyl stretch and final plug height.
- For finish, paclobutrazol (Bonzi) 1 ppm drench at 2 weeks after transplant can be used. At warmer conditions of ADT above 70°F/21°C, Bonzi drench rate should increase from 1 ppm to 2 ppm.
 - The Bonzi/B-Nine tank mix spray is optional in moderate or cooler growing conditions. Repeat as needed.

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Crop Time per Season, published 2022

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Season	ADT	Plug Crop Time (288-cell)	Finish Crop Time (Quart/6"/Gallon)	Total Crop Time
Spring	68°F/20°C	4 weeks	8-9 weeks	12-13 weeks
Summer	72°F/22°C	3 weeks	8-9 weeks	11-12 weeks

PRODUCTION SEASON CROP TIME

- Plug crop time was reduced one week from 4 to 3 weeks as ADT increased from 68°F/20°C to 72°F/22°C.
- Finish crop times from transplant to saleable did not change from Spring to Summer production when ADT changed from 68°F/20°C to 72°F/22°C. Sweet Talk is a facultative short-day plant and flowering is delayed by ~1 week at ≥14-hour photoperiod. Summer longer daylength offsets the effect of warmer temperature on crop time.