



GrowerFacts Extra
Petchoa Caliburst™ Yellow

Additional Culture Research

from

PanAmerican Seed®

Petchoa Caliburst™ Yellow

Plant Growth Regulator, published 2022

PanAmericanSeed.

Plug PGR Response

2x B-Nine 2,500 ppm spray

Caliburst Yellow

E3 Easy Wave Yellow



1. Caliburst Yellow plug is less vigorous than E3 Easy Wave® Yellow. Daminozide (B-Nine, Alar) 2,500 ppm spray twice is good under ADT about 68°F/20°C and DLI about 12 mol·m⁻²·d⁻¹.
2. Caliburst Yellow foliage colour is slightly light green compared with E3 Yellow.

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Finish PGR Response

Effects of B-Nine Spray on Flower Colour

- Daminozide (B-Nine, Alar) spray reduced the intensity of petchoa flower colour
- To maintain vibrancy of flower colour, do not apply Daminozide (B-Nine, Alar) at or after visible bud stage

B-Nine 2,500 ppm at 1WAT
then Bonzi 5 ppm drench

B-Nine 5,000
ppm weekly

Control



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Control

Bonzi 20 ppm sp
weekly

Bonzi 30 ppm sp
weekly

Alar/B-Nine 2,500
ppm sp weekly

Alar/B-Nine+CCC
2,500+ 375 ppm
sp weekly

Under Northern Europe conditions:

- PGRs reduced finish plant height.
- PGRs also reduced flower size and reduced intensity of yellow flower colour.
- Paclobutrazol (Bonzi) is recommended for height control with minimal flower fading.

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RECOMMENDATION

- Plug PGR: Daminozide (B-Nine, Alar) 2,500 ppm spray twice.
- Finish PGR: Daminozide 2,500 ppm spray at 1 WAT, then paclobutrazol (Bonzi) 3-5 ppm drench 1 week later. In Northern Europe, paclobutrazol 20-30 ppm weekly spray can be used.
- Do not apply daminozide (B-Nine, Alar) spray at visible bud or later as it can reduce the intensity of yellow flower colour.



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Photoperiod Response, published 2022

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Caliburst Yellow flowered ~3 days later under 9 hours than 11 hours.

Daylength



Days to 50% Flower from Sowing

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CONCLUSION

- Caliburst Yellow is a facultative long-day plant but flowers under 9-hour photoperiod.
- When photoperiod increased from 9 to 11 hours, flowering was about 3 to 7 days faster depending on temperature.



Caliburst Yellow, 3/21/2022, Guadalupe, CA