

Cuphea ramosissima Pink Shimmer

Additional Culture Research

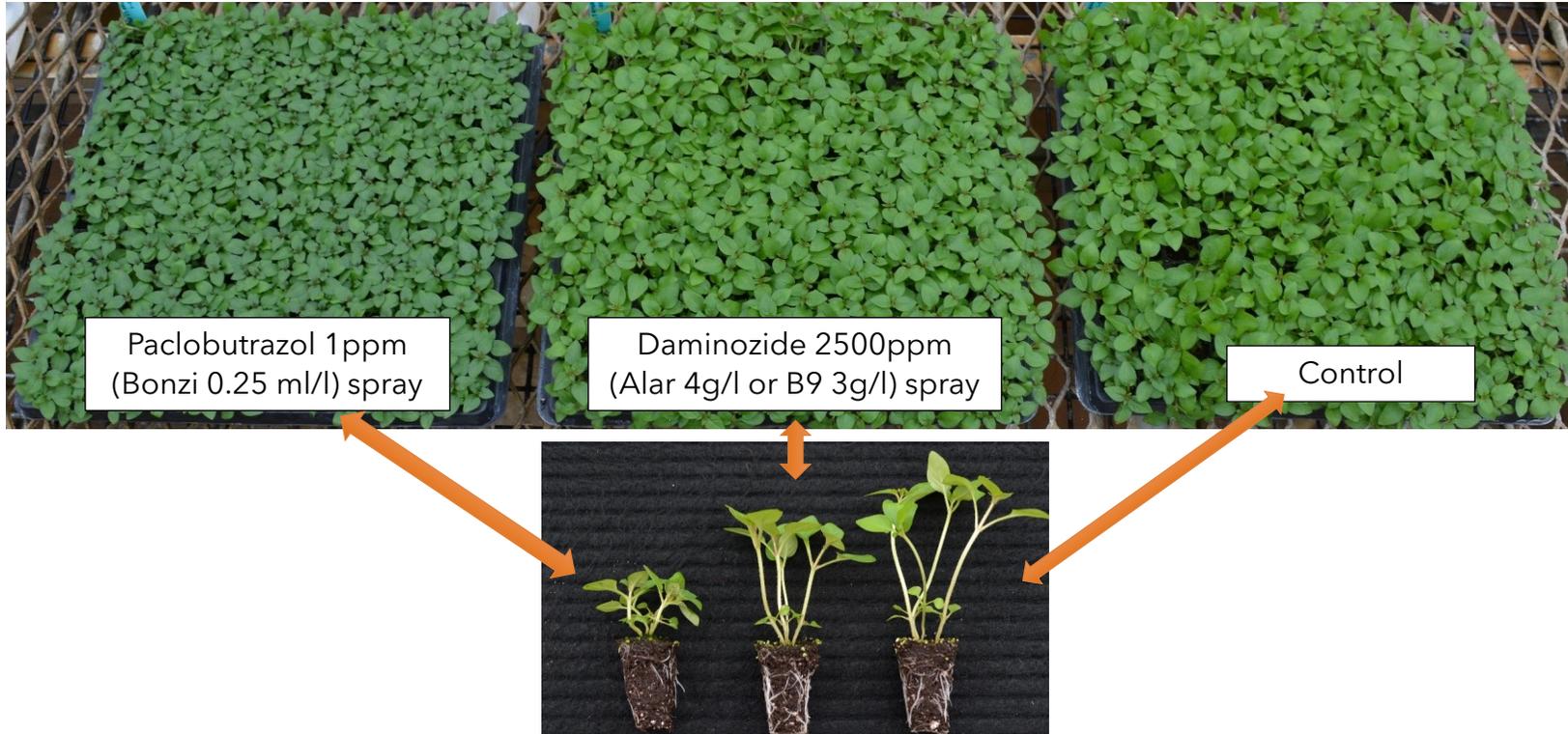
Cuphea Pink Shimmer

Materials and methods

- Sow date: week 9
- Plug tray size: 288 cell with 4 seeds/cell
- Germination conditions: 22°C, light, no cover
- Transplant date: week 13
- Container size: 6 pack and 12-13 cm pot (quart)
- Environmental conditions: ADT = 19.3C,
DLI = 11.9 mol/m²/d



Cuphea Pink Shimmer PGR Response



Cuphea Pink Shimmer PGR Response

6 pack



Paclobutrazol 1+3ppm
spray (Bonzi 0.25+0.75
ml/l)

Control

Quart (12-13 cm pot)



Paclobutrazol
1+3ppm spray

Control

For 12-13 cm pot, it is not necessary to have any PGR at finish stage.

Cuphea Pink Shimmer

PGR Response

It is suspected that Ethephon - (2-chloroethyl) phosphonic acid (Florel) will cause phytotoxicity to Cuphea. Phytotoxicity from both tank mixes of Paclobutrazol/Ethephon and Daminozide/Ethephon.



Paclobutrazol/Ethephon Tank Mix



Daminozide/Ethephon Tank Mix

Cuphea Pink Shimmer

PGR Conclusion

During plug stage

- Paclobutrazol 1ppm (Bonzi 0.25 ml/l) spray at 2 weeks after sowing controlled plug size very well.
- Cuphea was also responsive to Daminozide 2500ppm (Alar 4g/l or B9 3g/l) spray, not as strong as Paclobutrazol 1ppm spray.

After transplant

- Paclobutrazol 2-3ppm (Bonzi 0.50-0.75 ml/l) spray can be used for pack.
- For larger containers, PGR may not be necessary.



Cuphea Pink Shimmer Shearing Response

Shearing did not make significant plant fuller but reduce or delay flowers.



Cuphea Pink Shimmer

Crop time

- Plug crop time: 4 weeks
 - 288 cell, with 1 PMPL per cell.
 - Keep high humidity and moisture level at the start for a good dissolving of the pellet, then keep on the dry side after stage 1.
- Finish crop time (at ADT about 19°C)
 - 5 weeks (6 packs)
 - 6 weeks (12-13 cm, 1L pots)
- Total crop time: 9-10 weeks
- With 1 PMPL per cell, plants fill in nicely.

