

VIRGINIA TECH



**Screening Herbaceous
Perennials for Response to
Configure (PP69)**

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Floriculture

Plant Materials Responsive to Configure (600 ppm x1)

- Gaillardia arista 'Dazzler'
- Heuchera x 'Raspberry Ice'
- Lobelia cardinalis
- Leucanthemum x 'Alaska'
- Lychnis 'Vesuvius'
- Euphorbia dulcis 'Chameleon'

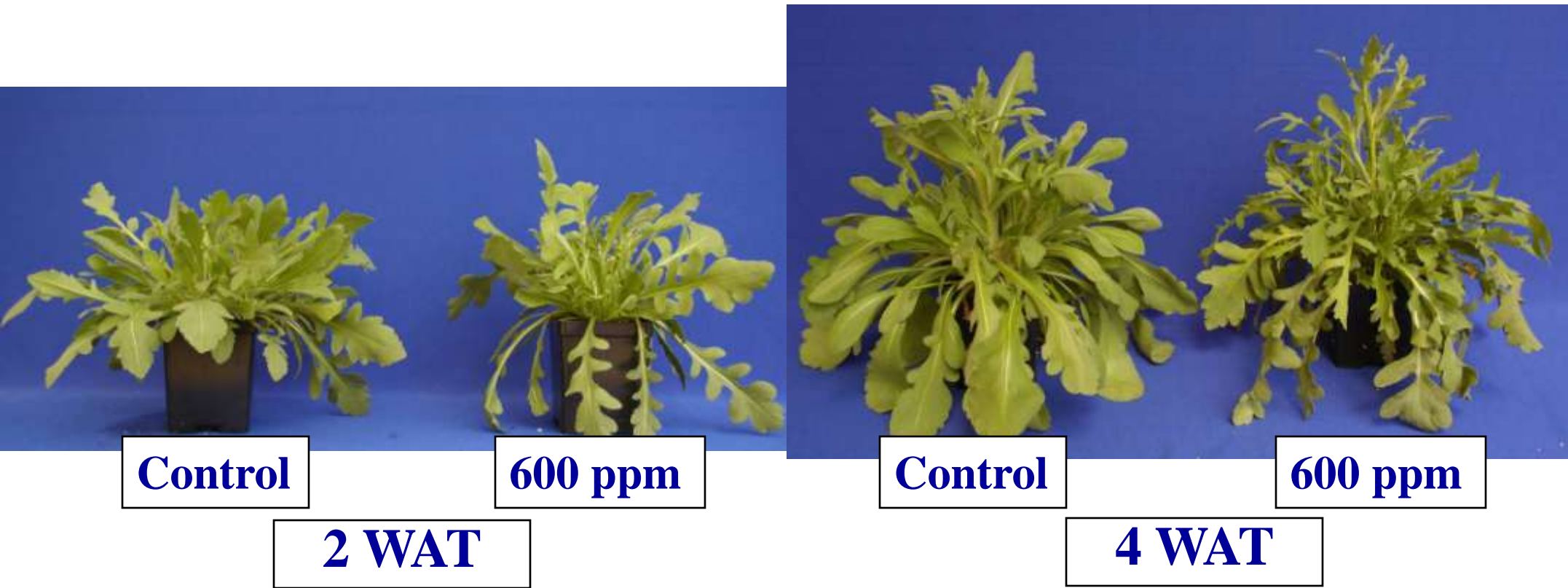


Plant Materials NOT Responsive to Configure (600 ppm x1)

- *Delphinium elatum* 'Galahad'
- *Phlox paniculata* 'David'
- *Stokesia laevis* 'Silver Moon'
- *Helenium* 'Coppelia'
- *Asclepias tuberosa*



Configure on *Gaillardia arista* 'Dazzler'



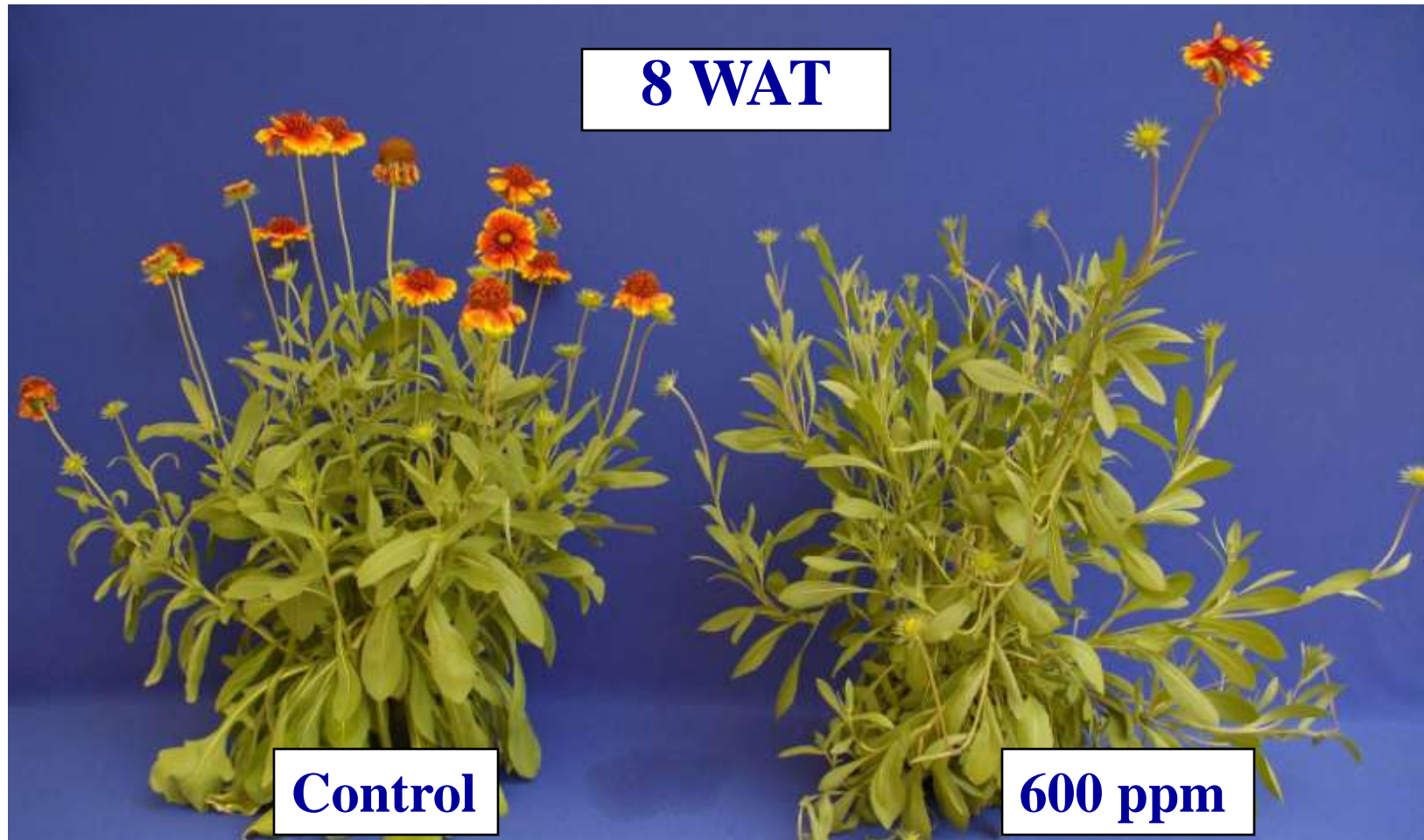
- Number of basal branches increased at 2 and 4 WAT

Configure on *Gaillardia arista* 'Dazzler'



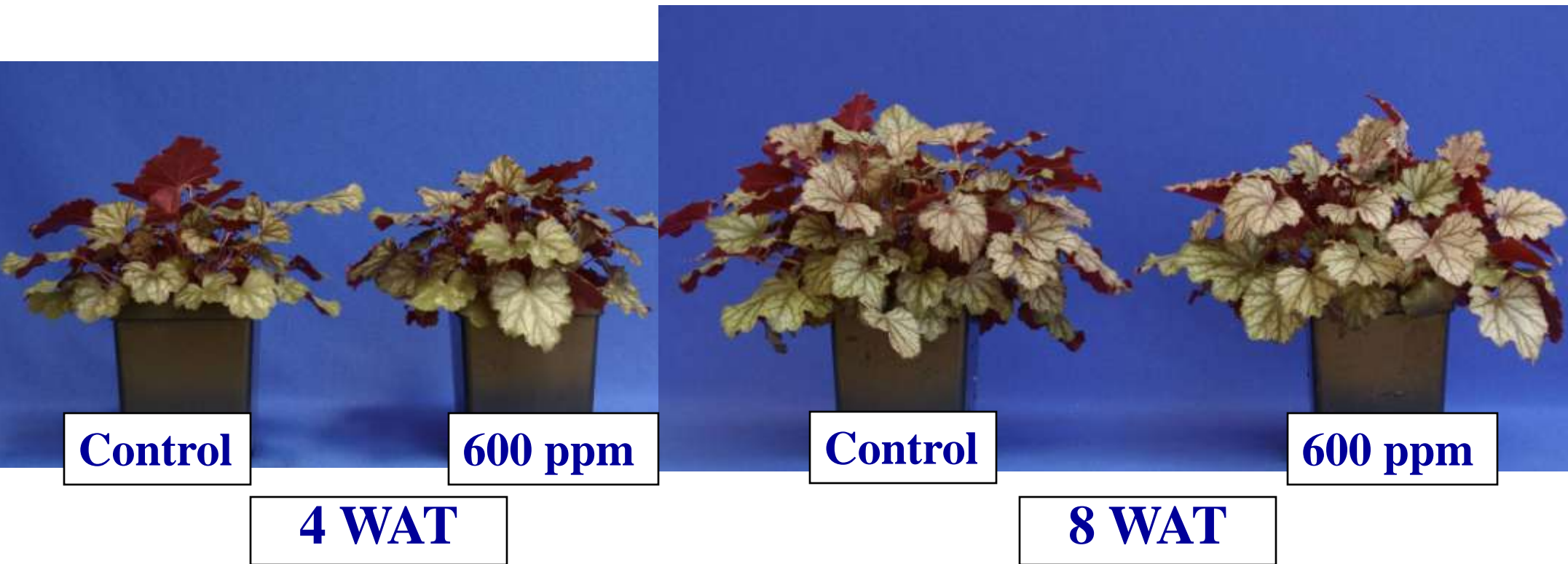
- Basal branches at 4 WAT
 - Control 23 vs. Configure 153 branches/plt

Configure on *Gaillardia arista* 'Dazzler'



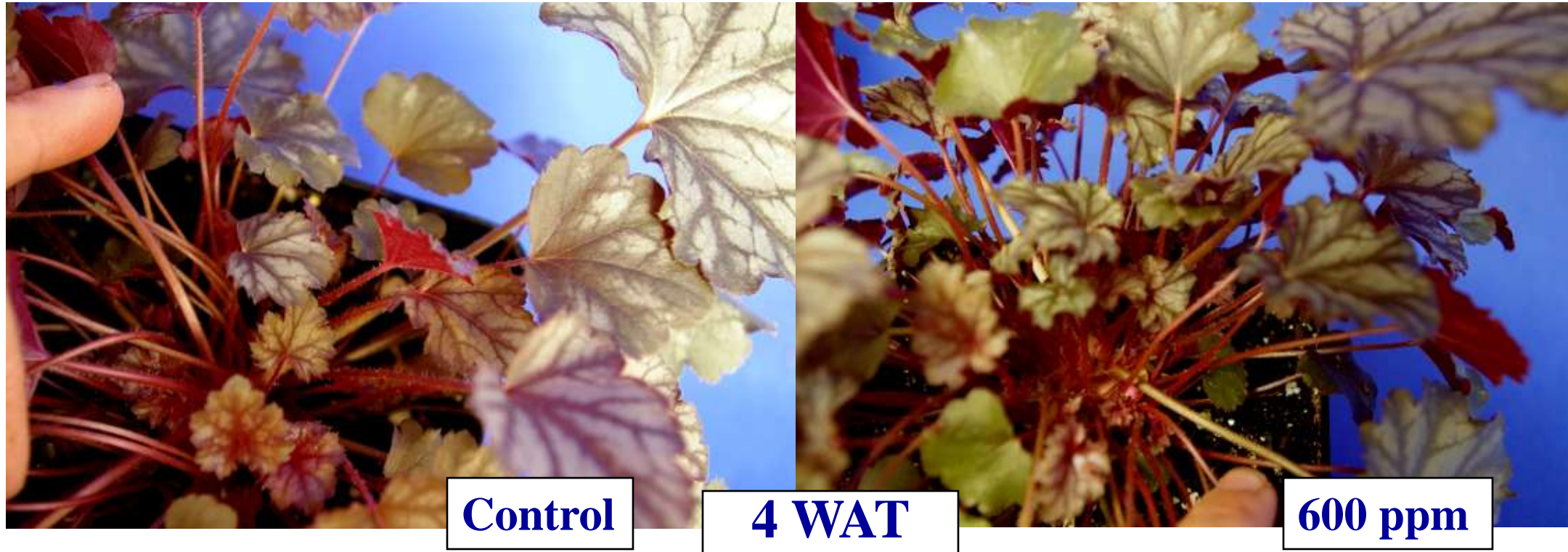
- Delayed but NS increase in number of flowers at 8 WAT (control 39 vs. Configure 62 flowers/plt)

Configure on *Heuchera* 'Raspberry Ice'



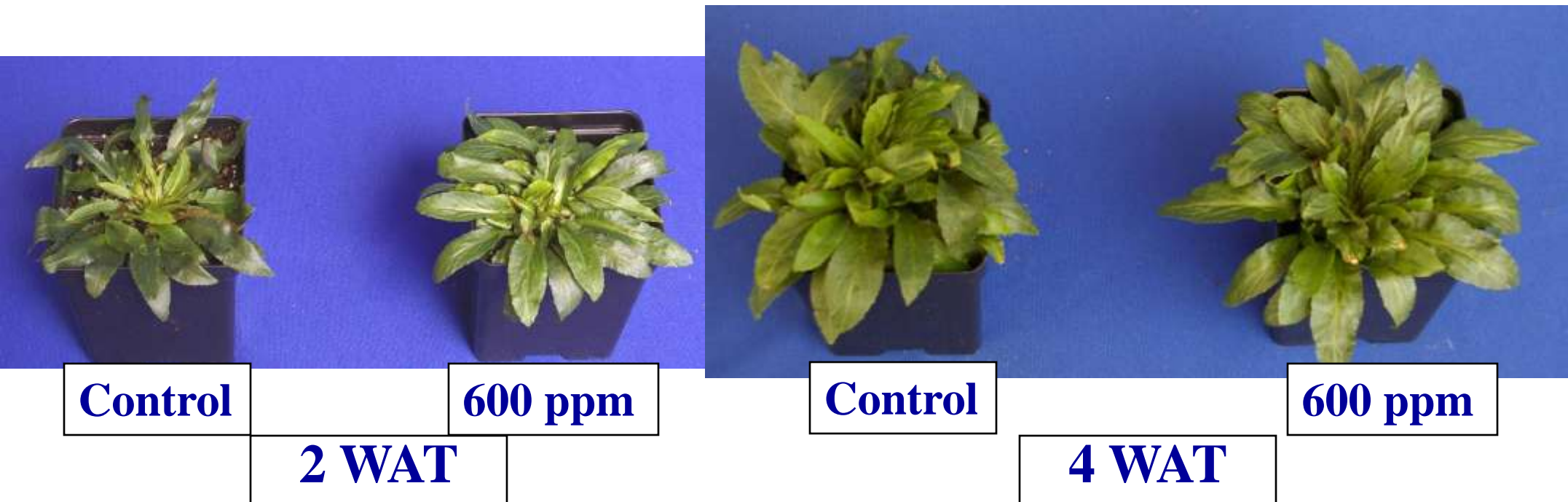
- Number of basal branches increased at 4 and 8 WAT

Configure on *Heuchera* 'Raspberry Ice'



- Basal branches at 4 WAT
 - Control 11.8 vs. Configure 18.1 branches/plt

Configure on *Lobelia cardinalis*



- Number of basal branches increased at 2, 4 and 6 WAT
 - 2WAT Control 3.8 vs Configure 12.8 breaks
 - 4WAT Control 7.3 vs Configure 12.9 breaks

Configure on *Lobelia cardinalis*



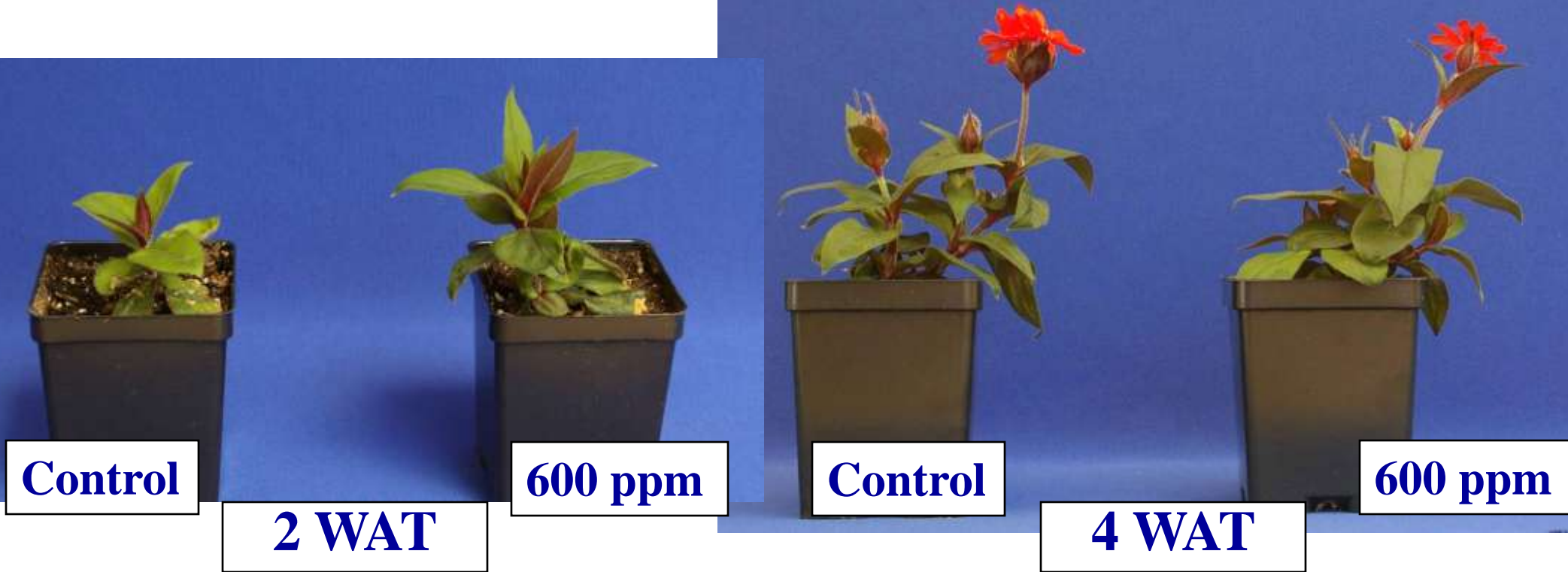
- Basal branches at 6 WAT
 - Control 10.6 vs. Configure 16 branches/plt

Configure on *Lobelia cardinalis*



- NS increase in number of flowers at 18 WAT (control (2plt) 5.0 vs. Configure (1plt) 24 flowers/plt)

Configure on *Lychnis* 'Vesuvius'



- Number of lateral branches increased at 2 and 4 WAT
 - 2WAT Control 2.1 vs Configure 3.8 breaks
 - 4WAT Control 3.1 vs Configure 5.3 breaks

Configure on *Euphorbia dulcis* 'Chameleon'



- Shoot height reduced
- Number of lateral branches increased at 4 and 6 WAT

Conclusions

- Configure could be used as a general treatment for a wide variety of herbaceous perennials with a good potential to improve the crop habit and a low potential for crop injury or negative results.
- Additional crop screening as well as evaluation of early treatment (in the plug tray) would be beneficial to the use of Configure in crop production.



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