

Comparison of Concise™ and Sumagic® as Substrate Drenches on Hyacinth and Tulip

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OBJECTIVE

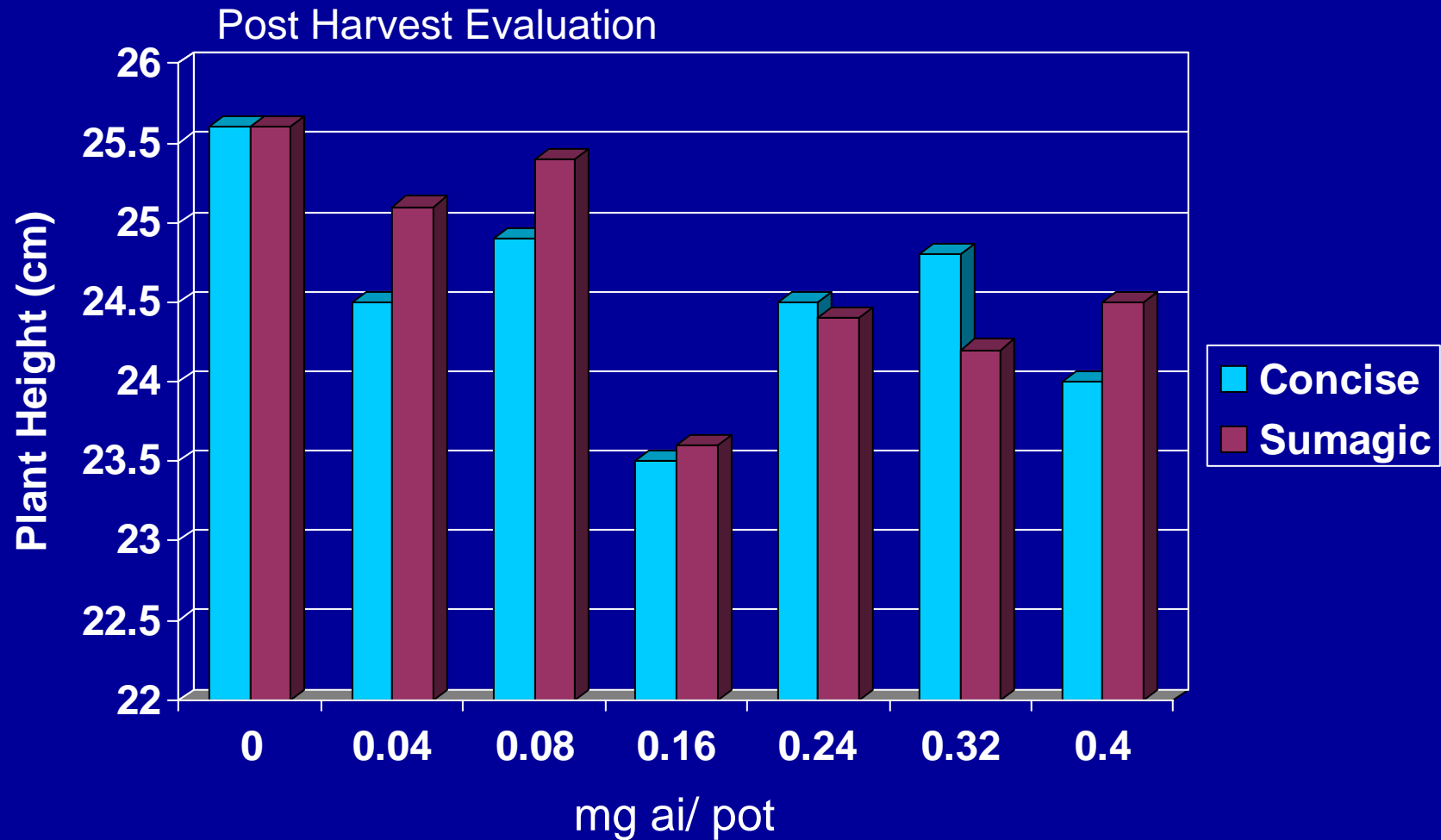
The objective of these experiments was to compare efficacy of Concise to Sumagic as substrate drenches on Hyacinth and Tulip.

METHODS

Hyacinth Drenches

- Treatments applied on 8 February, 2006
- Rates: 0, 0.5, 1, 2, 3, 4, and 5 ppm uniconazole-p (actual rates were based on mg of active ingredient per pot)
- Drench Volume: 3 fl oz/pot
- Cultivar: Pink Pearl
- Replications: 6
- Pot Size: 5 inch, Berger BM6. Potted 21 October, 2005
- Vernalization Temperatures:
 - 41° F 21 October, 2005 to 2 January, 2006
 - From 2 January through 7 February the temperature was lowered to 34° F to hold the plants

Hyacinth – *Pink Pearl*



Hyacinth – *Pink Pearl*



Hyacinth – *Pink Pearl*



CONCLUSIONS

Hyacinth

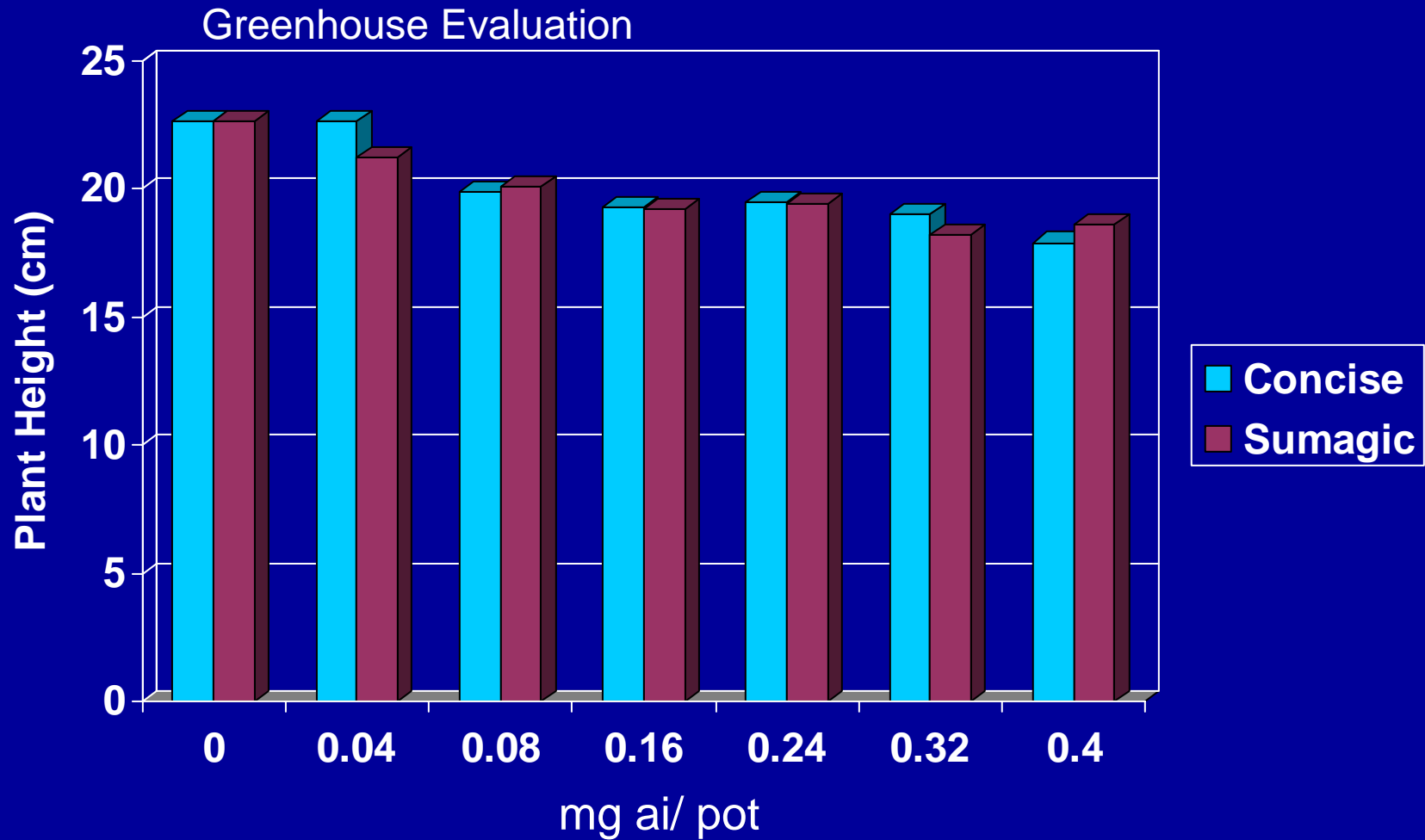
- During the greenhouse evaluation, plant height was not significantly different as the concentration of uniconazole applied increased.
- Total plant height during the postharvest evaluation was significantly different as the concentration of uniconazole applied increased.
- Plant height was 5% shorter with the use of 0.4 mg of uniconazole.
- Flowering date was not delayed by any of the substrate drench applications.
- Both uniconazole types (Concise and Sumagic) had similar control as the concentration increased. Therefore it could be stated that they both have similar efficacies.

METHODS

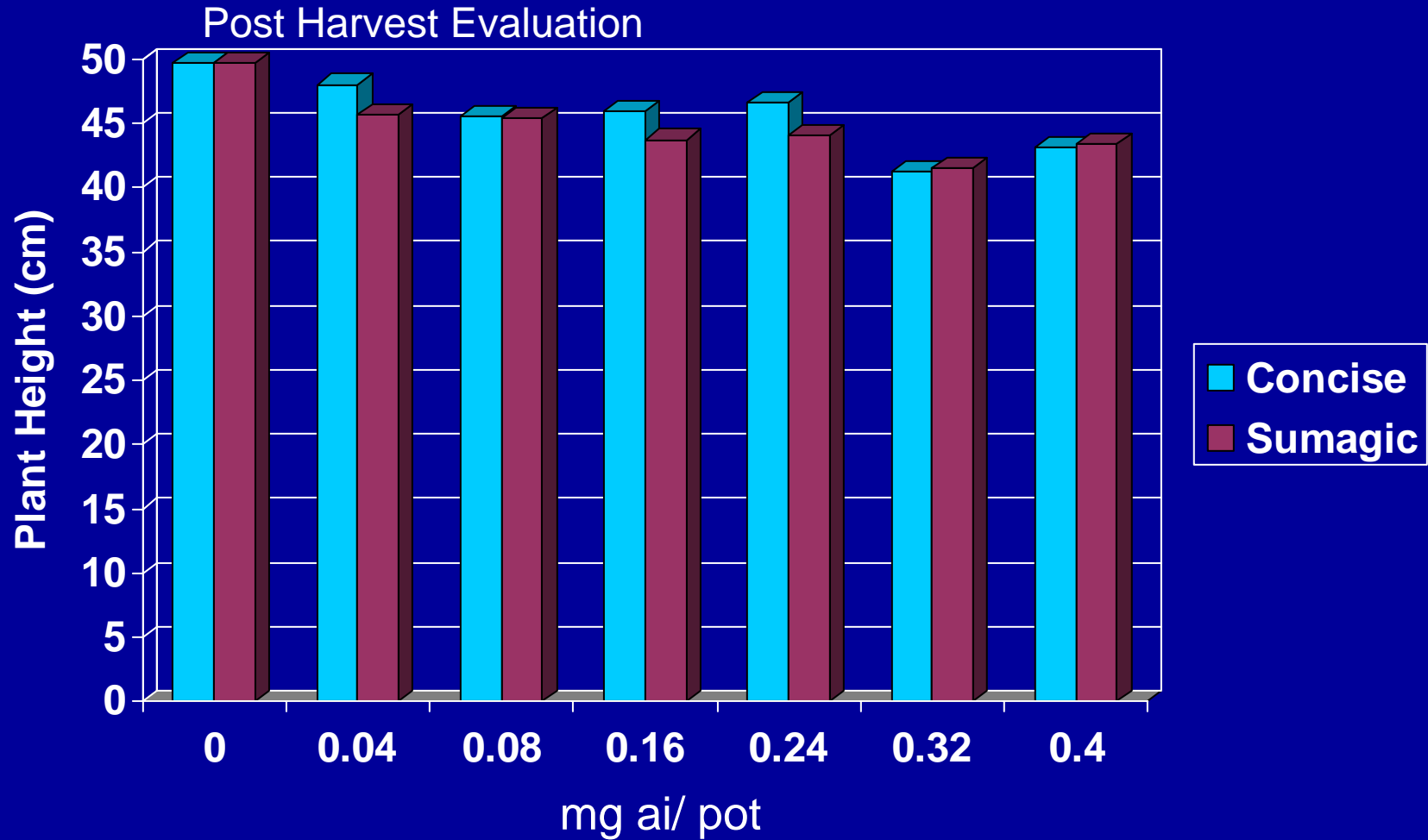
Tulip Drenches

- Treatments applied on 8 February, 2006
- Rates: 0, 0.5, 1, 2, 3, 4, and 5 ppm uniconazole-p (actual rates were based on mg of active ingredient per pot)
- Cultivar: Blenda
- Replications: 6
- Pot Size: 5 inch, Berger BM6. Potted 21 October, 2005
- Vernalization Temperatures:
 - 41° F 21 October, 2005 to 2 January, 2006
 - From 2 January through 7 February the temperature was lowered to 34° F to hold the plants

Tulip – *Blenda*



Tulip – *Blenda*



Tulip – *Blenda*



Tulip – *Blenda*



CONCLUSIONS

Tulip

- Statistically total plant height during the greenhouse forcing and during the postharvest evaluation were significantly different as the concentration of uniconazole applied increased.
- Plant height during the greenhouse forcing was 19% shorter with the use of 0.4 mg of uniconazole.
- During the postharvest evaluation period, plant height was 13% shorter with the use of 0.4 mg of uniconazole.
- Flowering date was significantly different based on statistics, but the difference among all concentrations was 1 day or less and would not be commercially significant.
- Based on greenhouse plant height and postharvest plant height, both types of uniconazole provided a similar degree of control. Growers will be able to use either uniconazole product interchangeably, with rates of 0.32 to 0.40 mg being recommended.

TM Concise is a Trademark of Fine Agrochemicals Limited

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