



UNIVERSITY *of* NEW HAMPSHIRE
COOPERATIVE EXTENSION

Abide

Easter Lily 'Nellie White'

fine



UNIVERSITY *of* NEW HAMPSHIRE
COOPERATIVE EXTENSION

Study Conducted by:

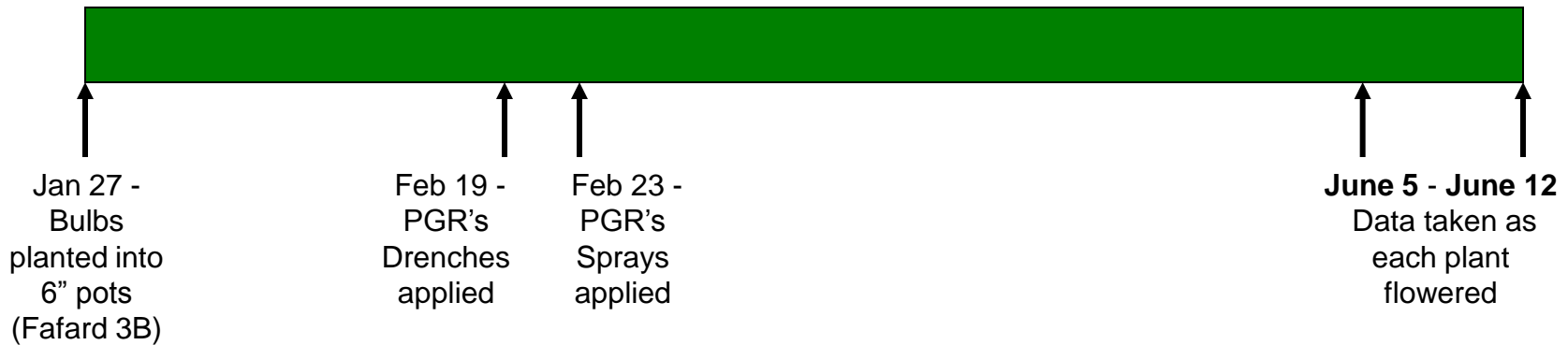
Dr. Brian A. Krug

University of New Hampshire

Cooperative Extension

The logo for 'fine', featuring the word in a lowercase, sans-serif font with a green leaf icon positioned above the letter 'i'.

Cultural Information



Fertilizer - Constant liquid feed using 17-5-17 @ 150 ppm + 2 ppm Fe

Temperatures - 67/65 °F day/night set points

Treatments

- Untreated Control
- Foliar Sprays
 - Abide (32.5, 65, and 130 ppm)
 - A-Rest (32.5, 65, and 130 ppm)
- Substrate Drenches (118 ml/pot)
 - Abide (2 and 4 ppm)
 - A-Rest (2 and 4 ppm)
- 4 replications per treatments



Stage of development at treatment (spray) ~ 9 cm tall

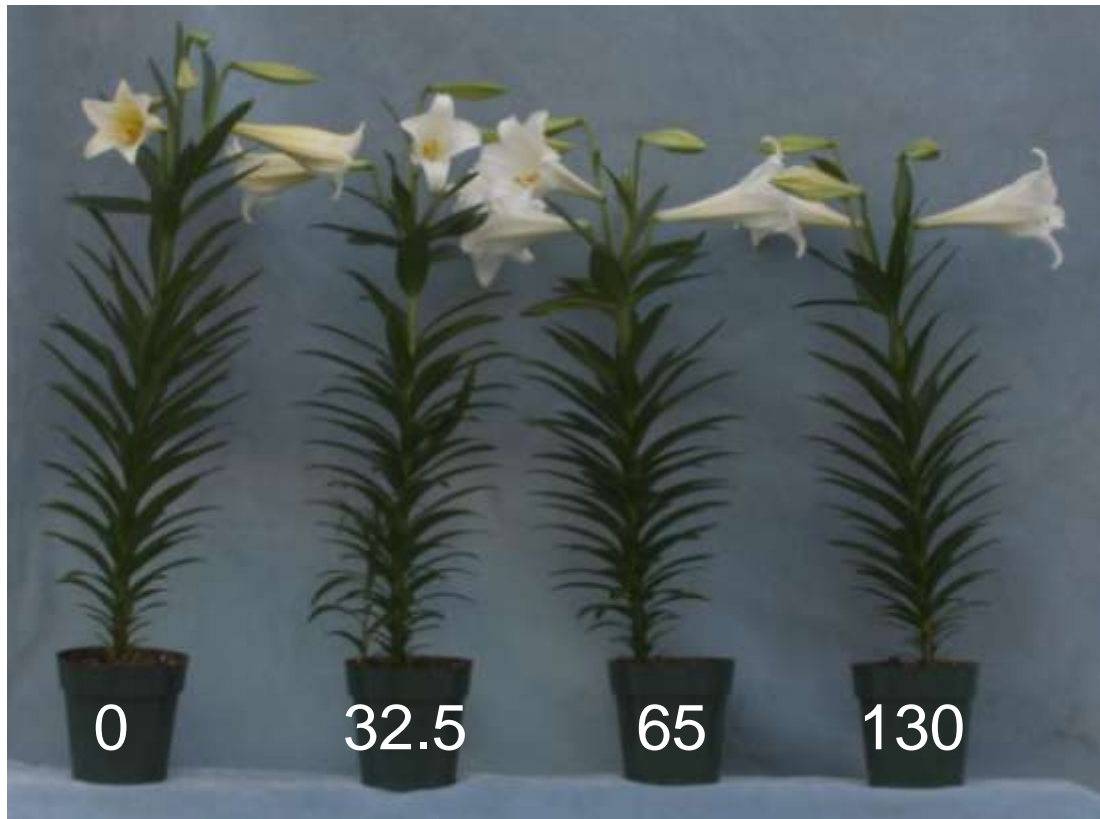


Stage of development at treatment (Drench) ~ 5 cm tall



Easter Lily 'Nellie White'

Abide Foliar Sprays

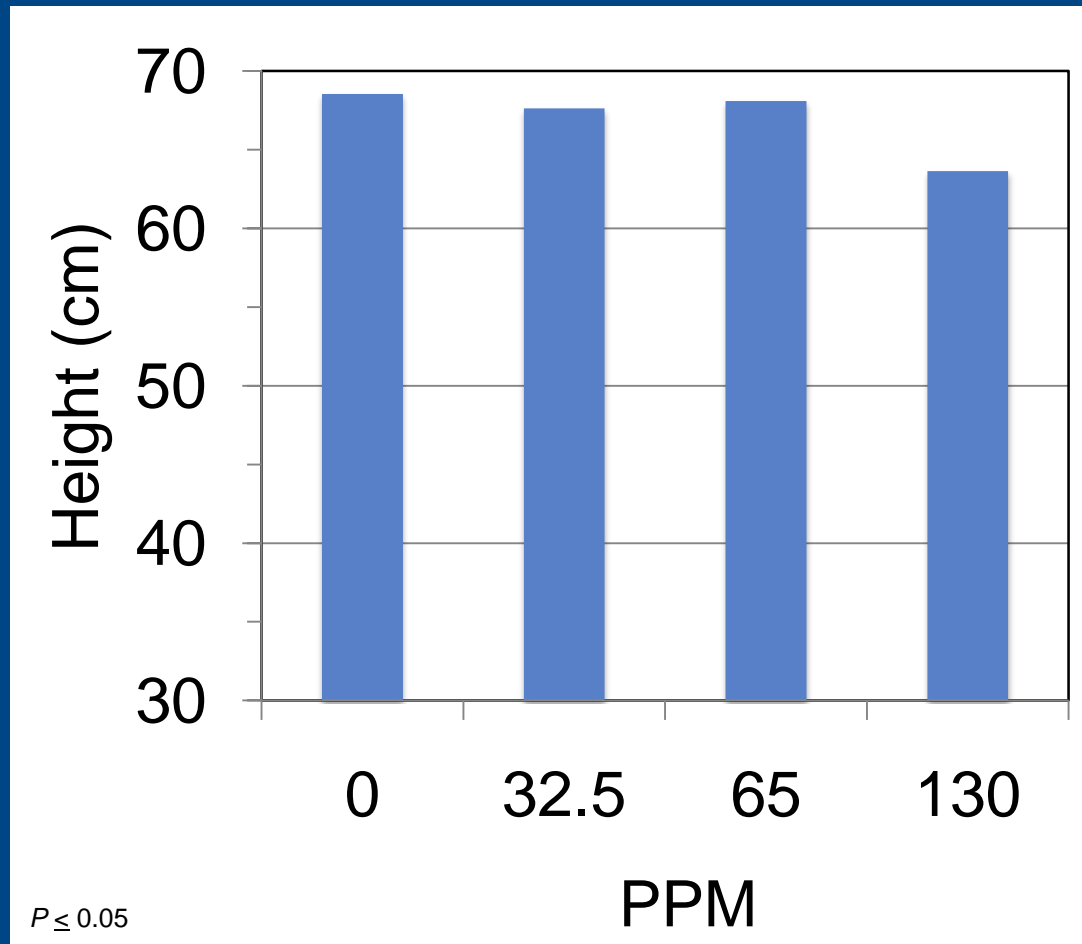


ppm

Easter Lily 'Nellie White'

Abide Foliar Sprays

Plant Height

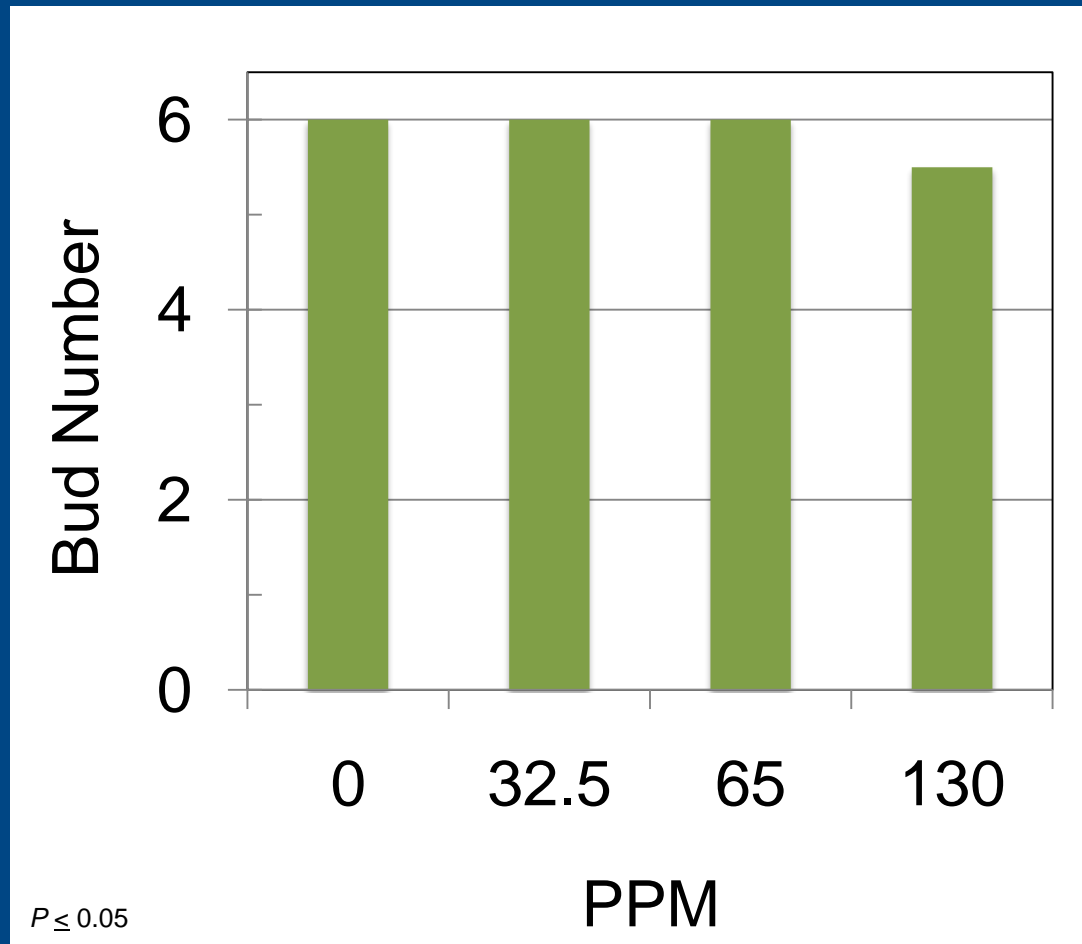


No Significant Difference

Easter Lily 'Nellie White'

Abide Foliar Sprays

Bud Count

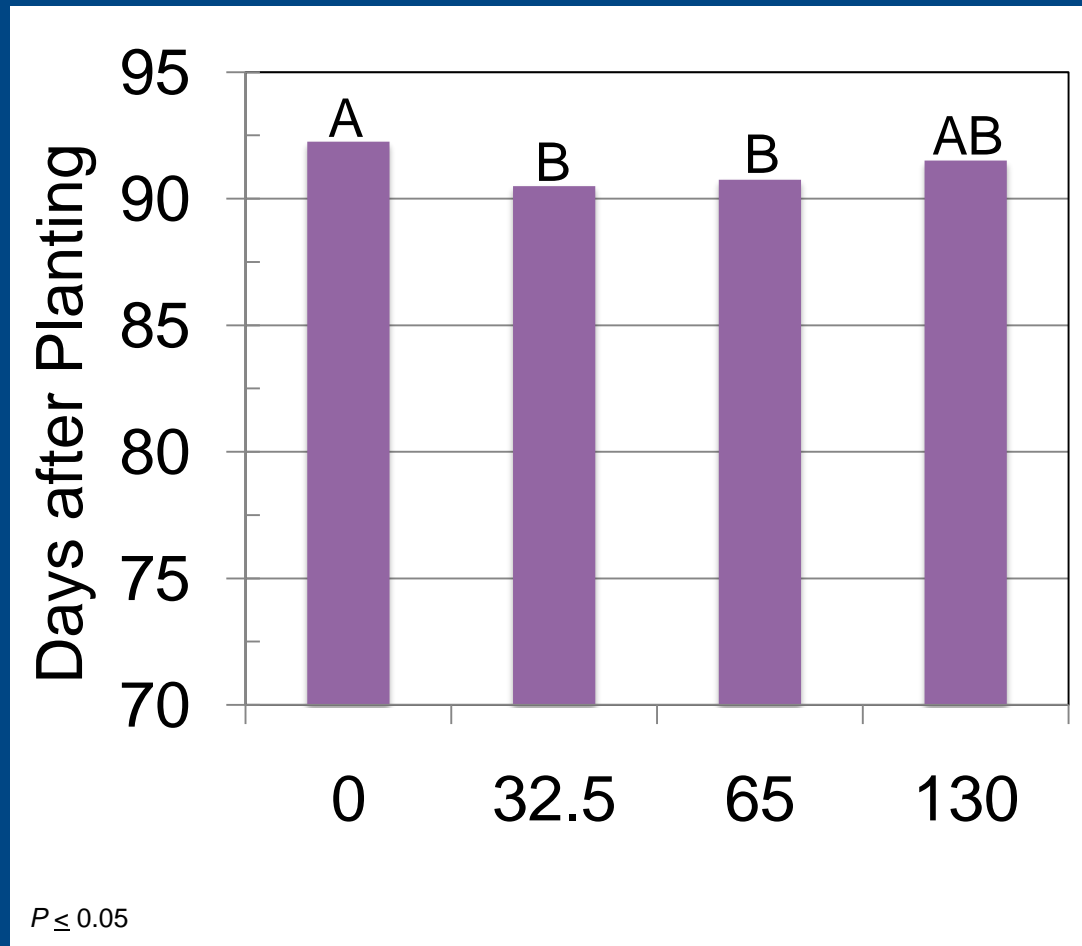


No Significant Difference

Easter Lily 'Nellie White'

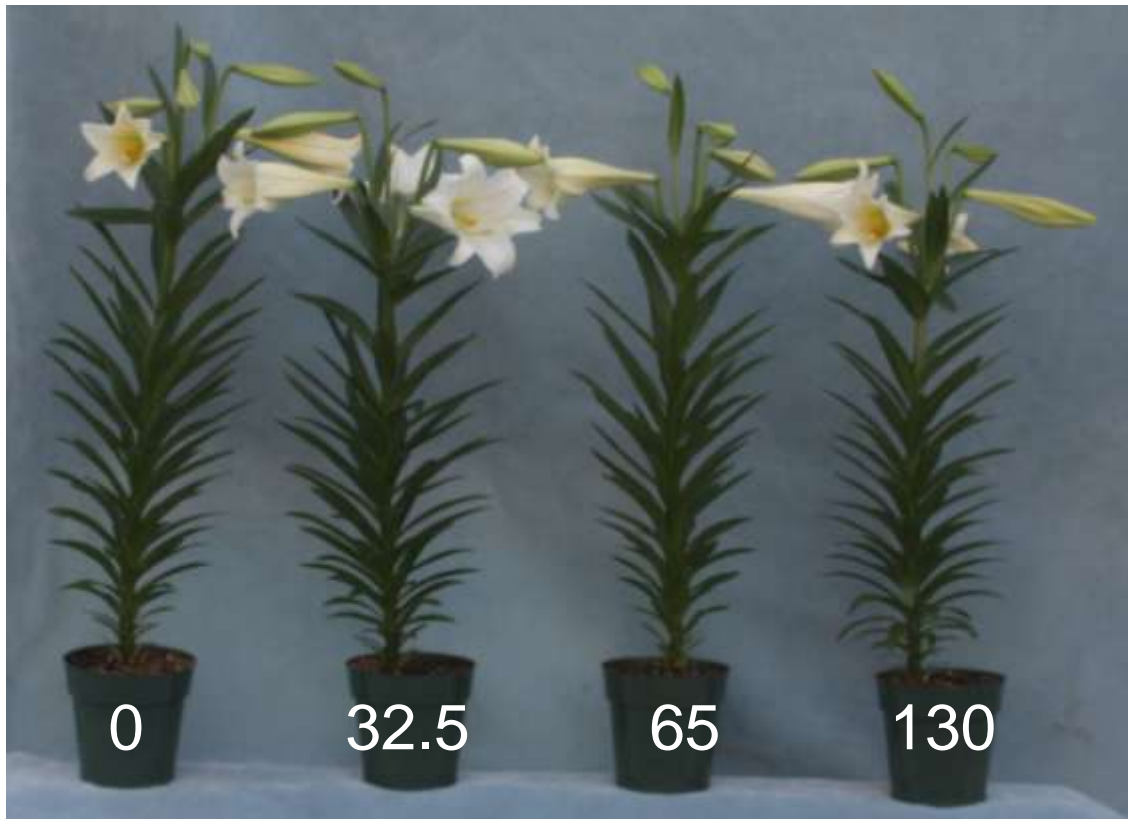
Abide Foliar Sprays

Days to Flower



Easter Lily 'Nellie White'

A-Rest Foliar Sprays

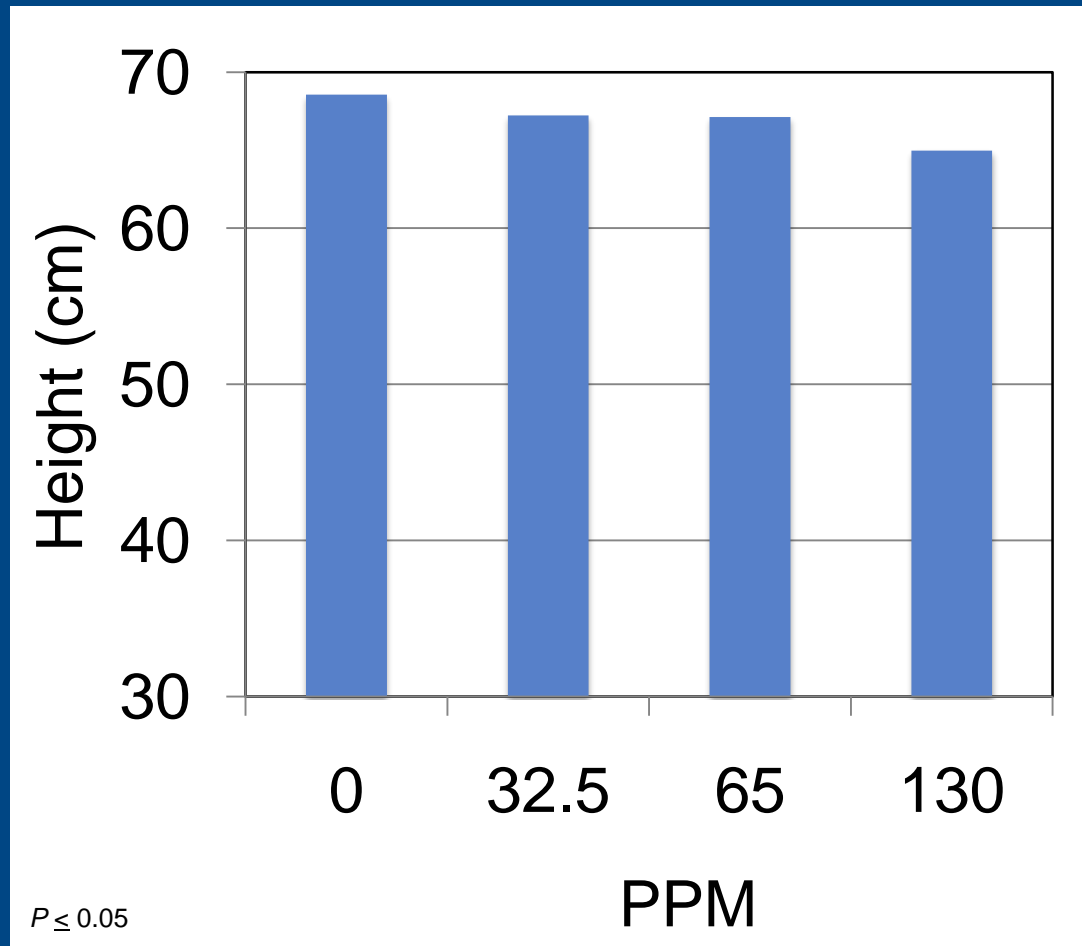


ppm

Easter Lily 'Nellie White'

A-Rest Foliar Sprays

Plant Height

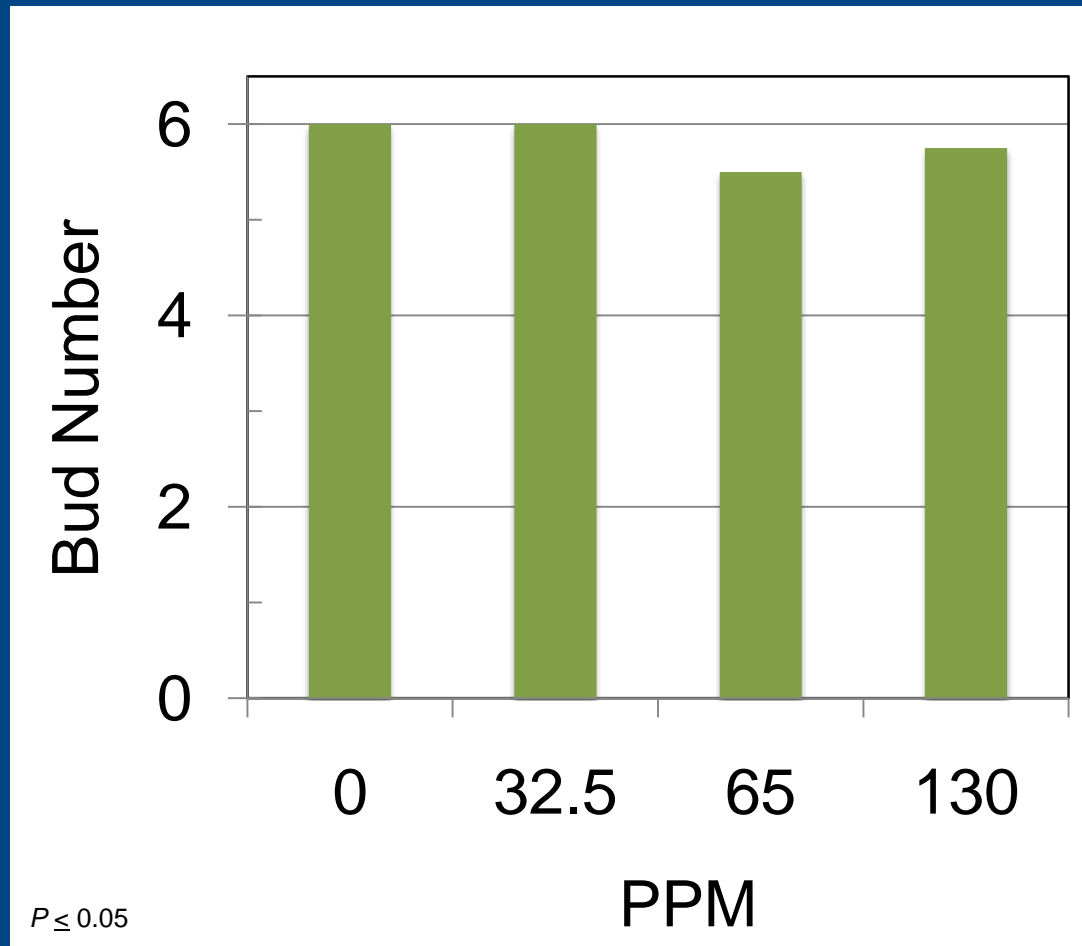


No Significant Difference

Easter Lily 'Nellie White'

A-Rest Foliar Sprays

Bud Count

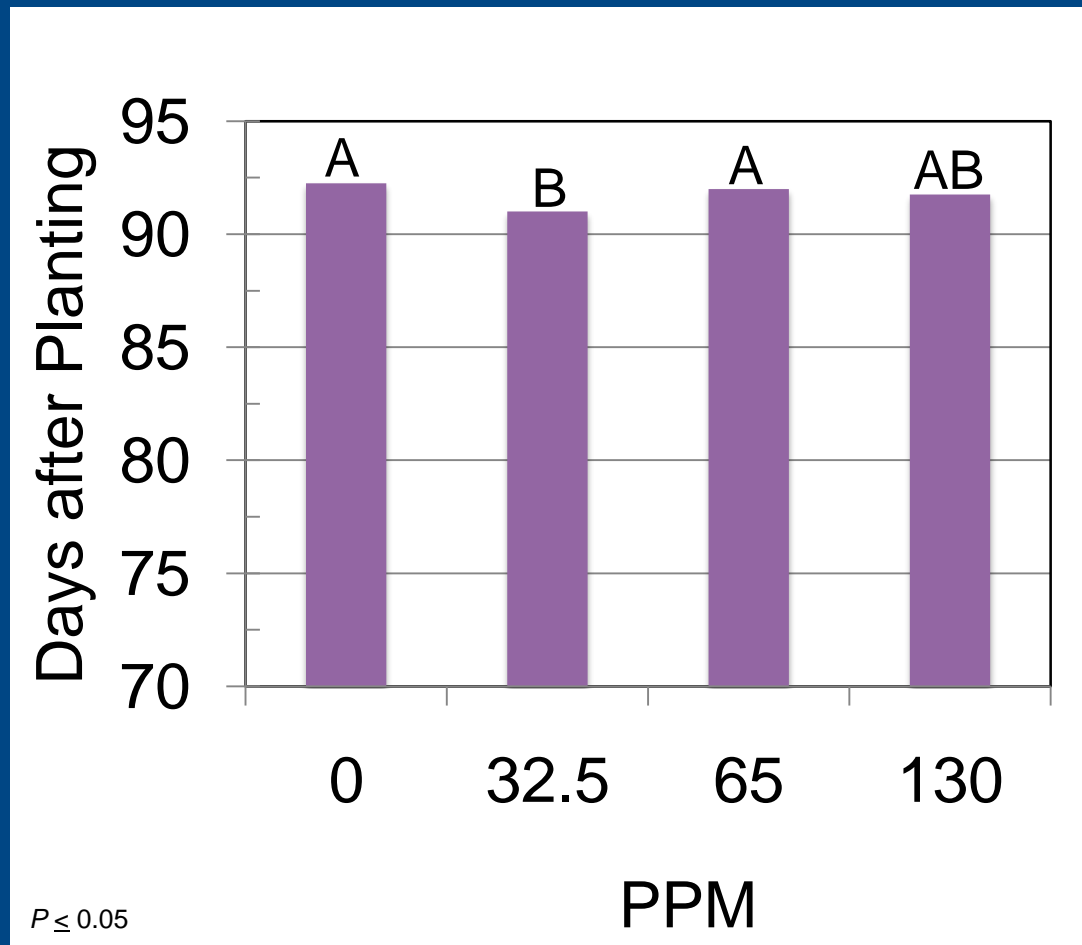


No Significant Difference

Easter Lily 'Nellie White'

A-Rest Foliar Sprays

Days to Flower



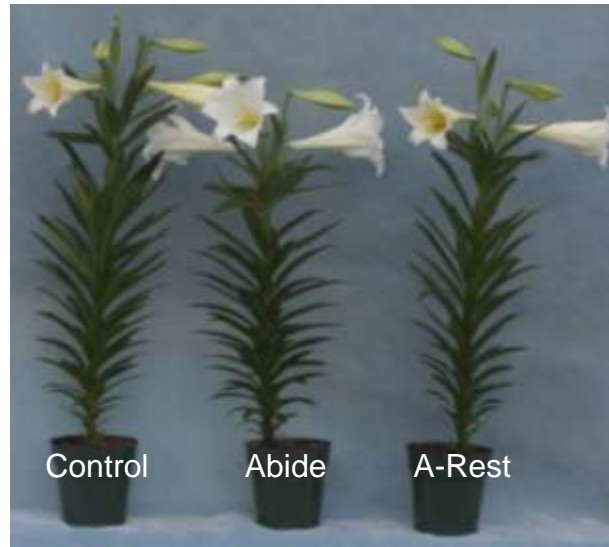
Easter Lily 'Nellie White'

Foliar Sprays

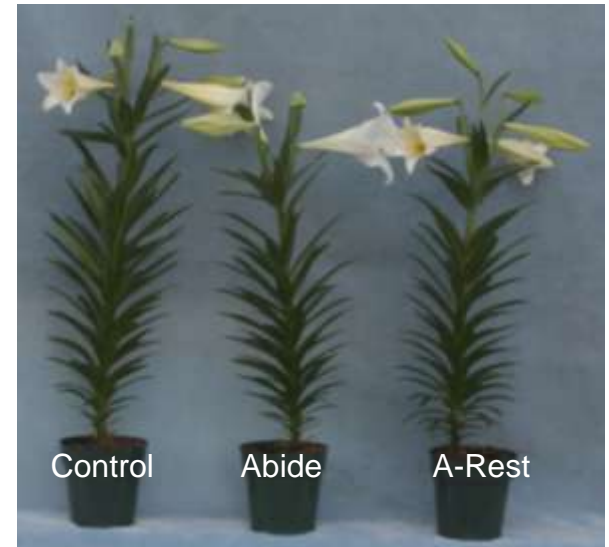
Abide vs. A-Rest



32.5 ppm



60 ppm

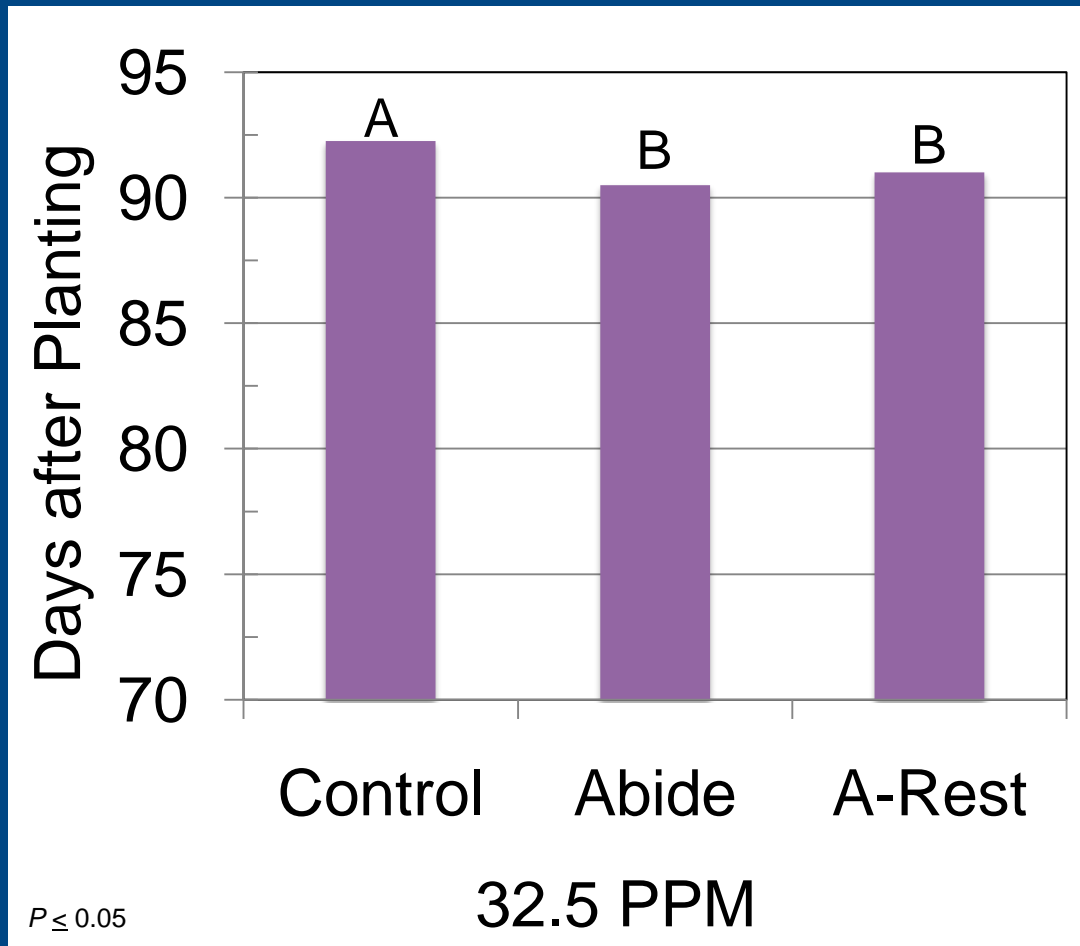


130 ppm

Easter Lily 'Nellie White'

Foliar Sprays

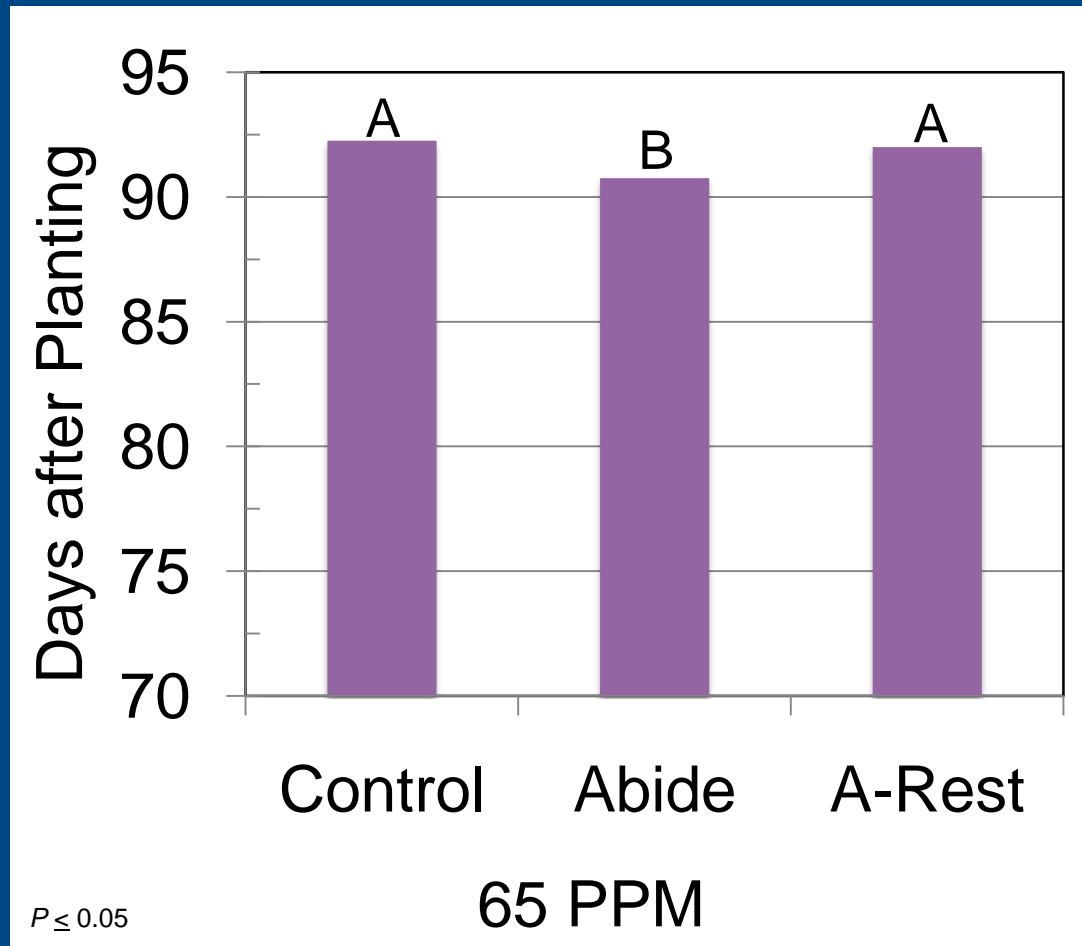
Abide vs. A-Rest (days to flower)



Easter Lily 'Nellie White'

Foliar Sprays

Abide vs. A-Rest (days to flower)



Easter Lily 'Nellie White'

Abide Substrate Drenches

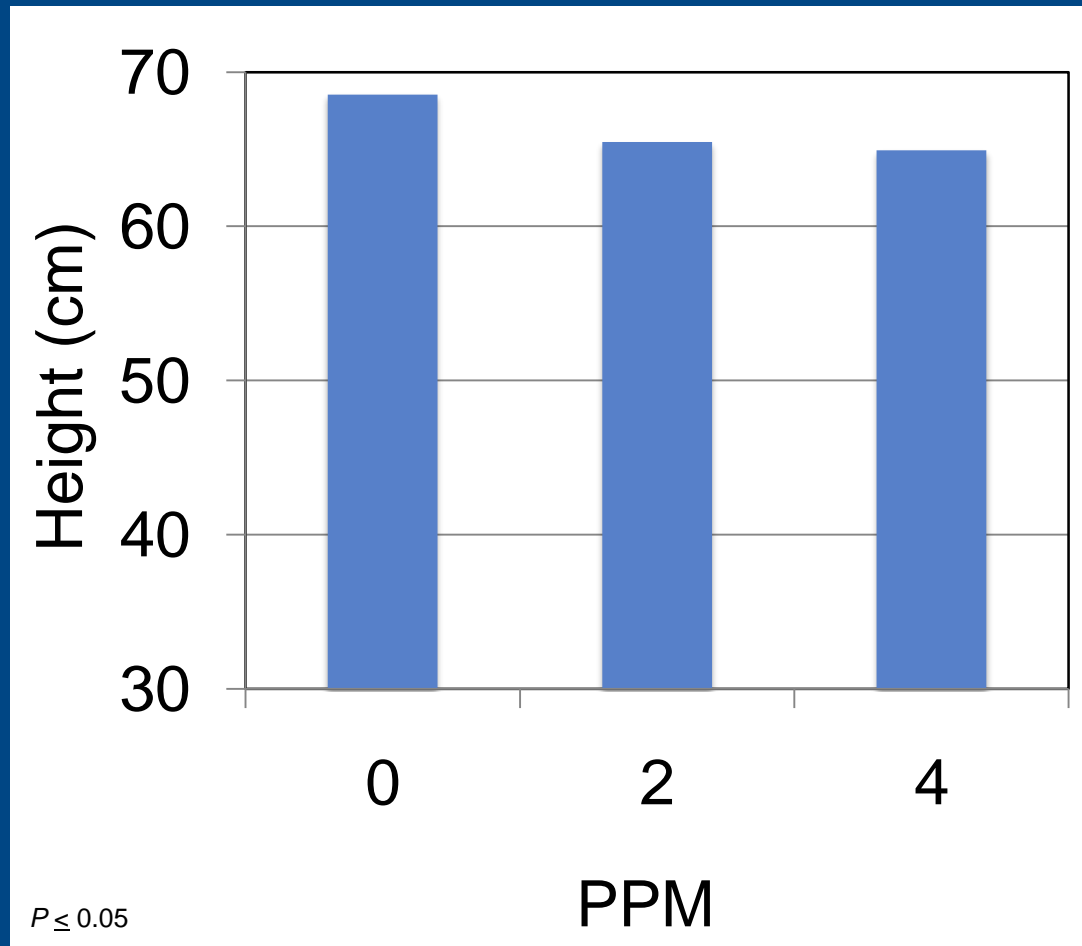


ppm

Easter Lily 'Nellie White'

Abide Substrate Drenches

Plant Height

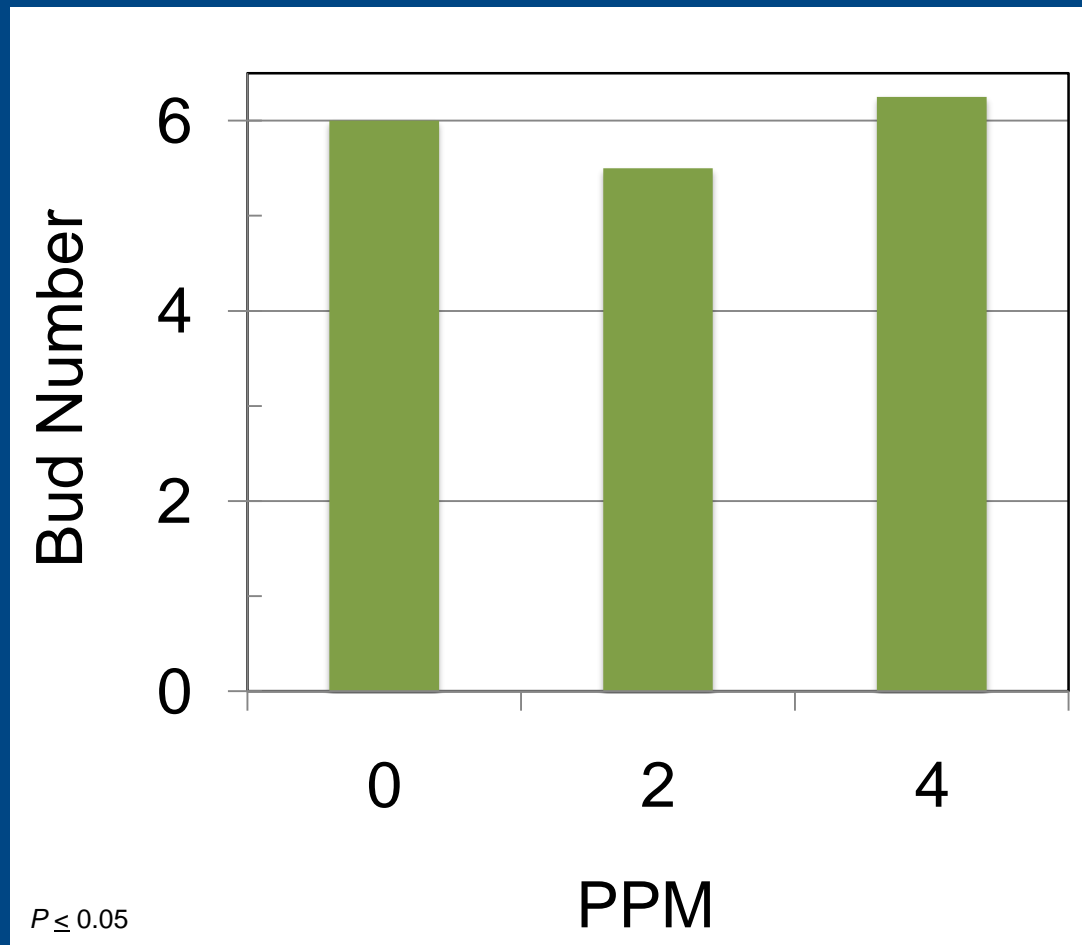


No Significant Difference

Easter Lily 'Nellie White'

Abide Substrate Drenches

Bud Count

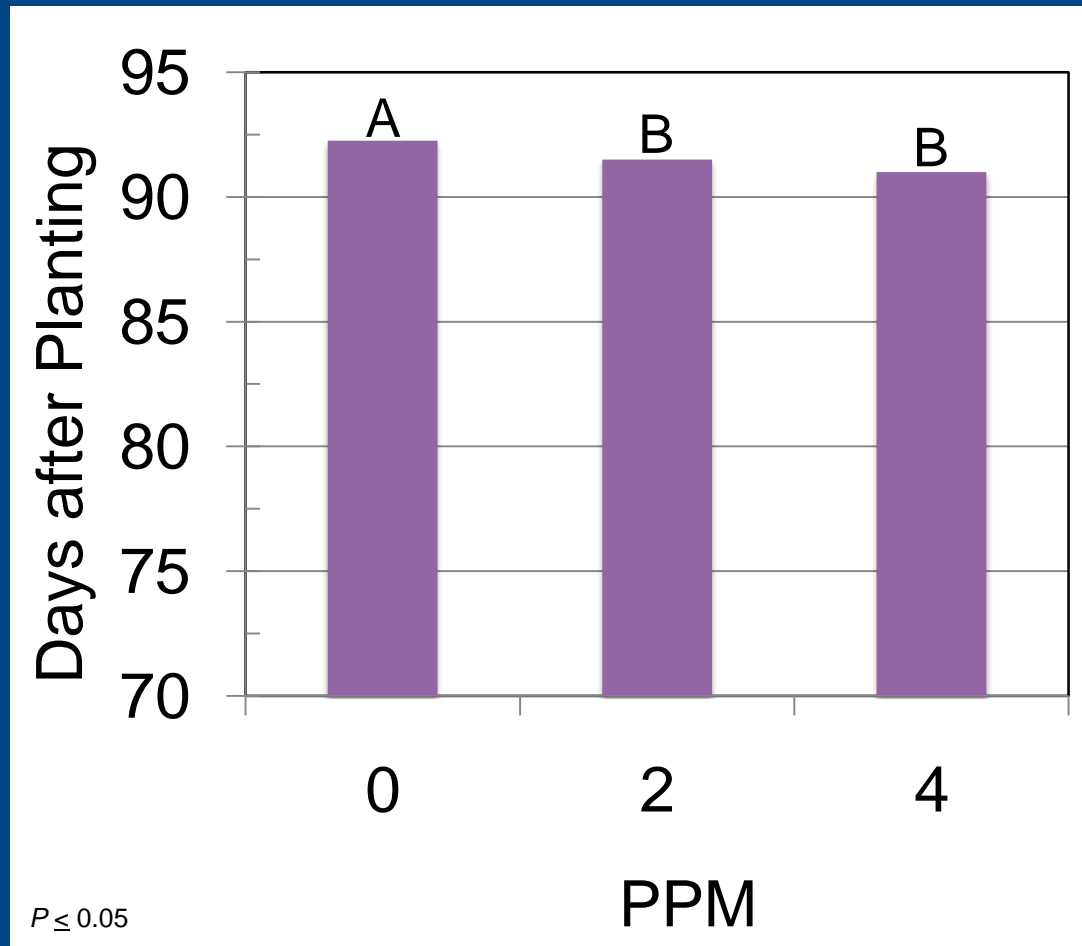


No Significant Difference

Easter Lily 'Nellie White'

Abide Substrate Drenches

Days to Flower



Easter Lily 'Nellie White'

A-Rest Substrate Drenches

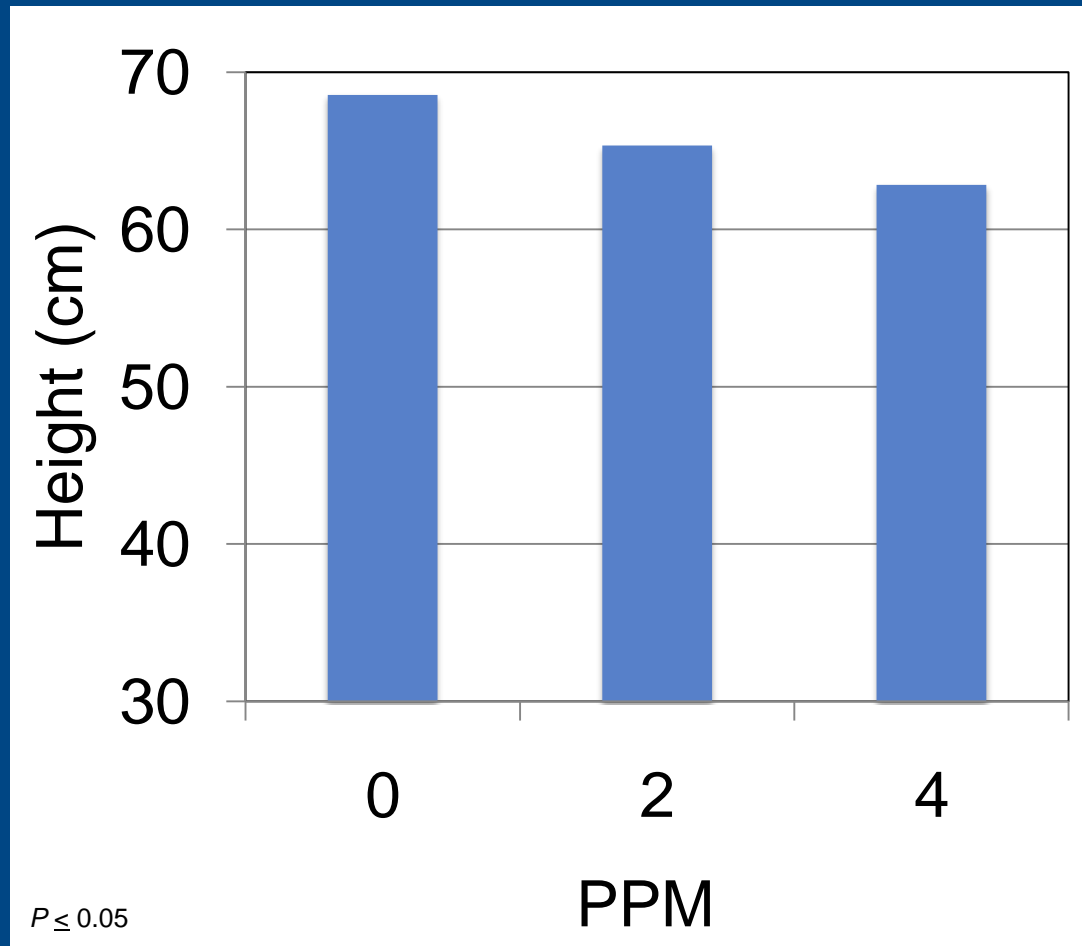


ppm

Easter Lily 'Nellie White'

A-Rest Substrate Drenches

Plant Height

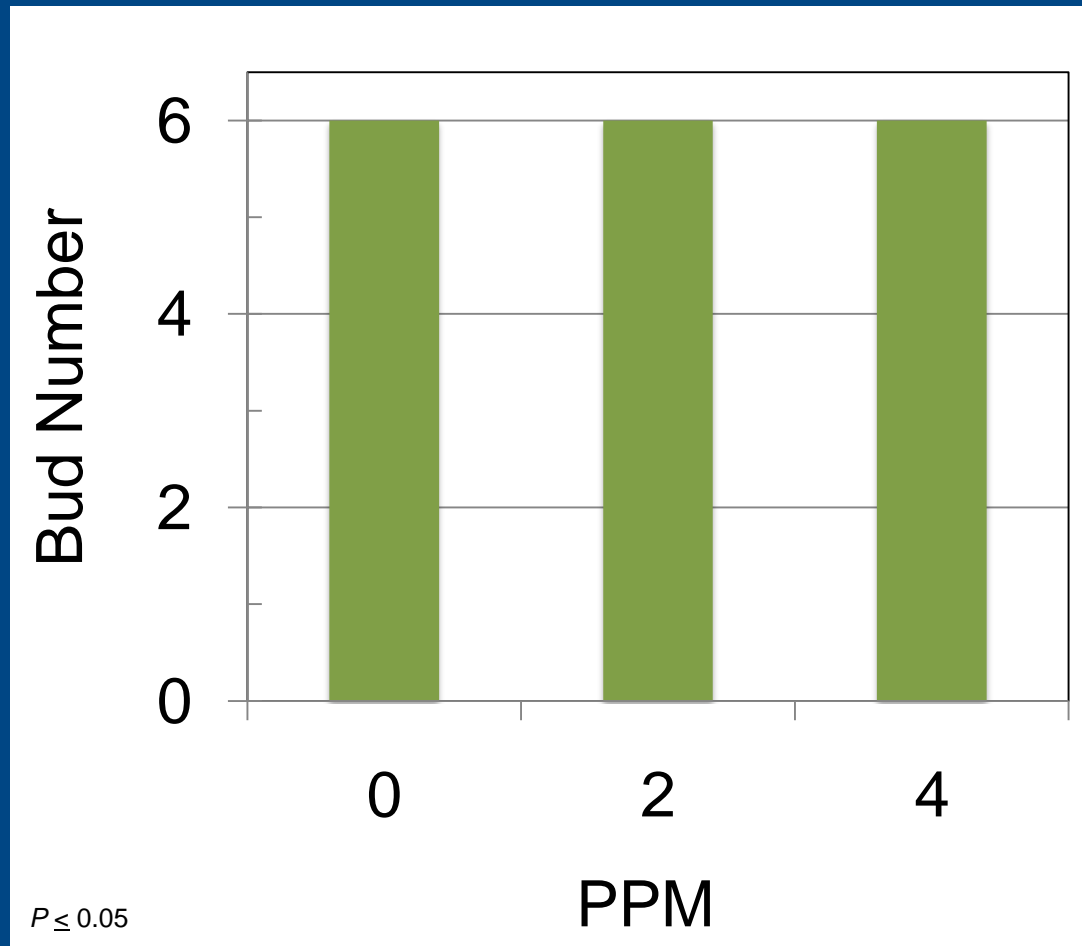


No Significant Difference

Easter Lily 'Nellie White'

A-Rest Substrate Drenches

Bud Count

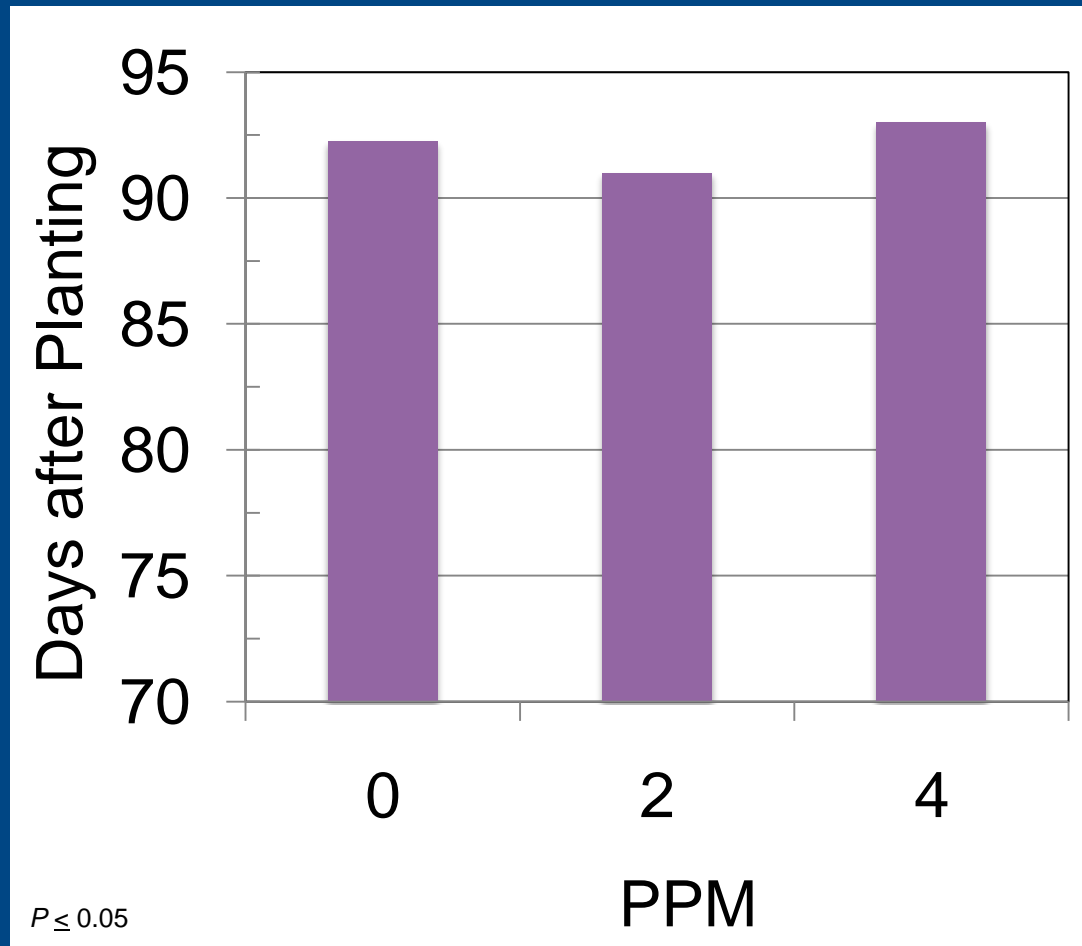


No Significant Difference

Easter Lily 'Nellie White'

A-Rest Substrate Drenches

Days to Flower



No Significant Difference

Easter Lily 'Nellie White'

Substrate Drenches Abide vs. A-Rest



2 ppm



4 ppm

Easter Lily 'Nellie White'

Easter Lily Comments

- Abide Foliar Sprays
 - No effect on plant height or bud count at any concentration
 - Flower date delayed by 1.5-1.75 d at concentrations of 32.5 and 65 ppm
- A-Rest Foliar Sprays
 - No effect on plant height at any concentration
 - Flower date delayed by 1.25 d at a concentration of 32.5 ppm

(Significance Level of $P \leq 0.05$)

Easter Lily Comments

- Abide Drenches
 - No effect on plant height or bud count at any concentration
 - Flower date delayed by 0.75-1.25 d at concentrations of 2 and 4 ppm
- A-Rest Drenches
 - No effect on plant height at any concentration

(Significance Level of $P \leq 0.05$)

Easter Lily Comments

- Only difference between Abide and A-Rest was in days to flower
 - 65 ppm foliar spray
 - Abide delayed 1.25 d compared to A-Rest

(Significance Level of $P \leq 0.05$)

Easter Lily Comments

- One application of Abide or A-Rest is insufficient to control height of Easter Lilies.
- Although some flower delay occurred it was less than 2 days