



UNIVERSITY *of* NEW HAMPSHIRE  
COOPERATIVE EXTENSION

**Abide**

**Easter Lily 'Nellie White'**

**fine**



UNIVERSITY *of* NEW HAMPSHIRE  
COOPERATIVE EXTENSION

Study Conducted by:

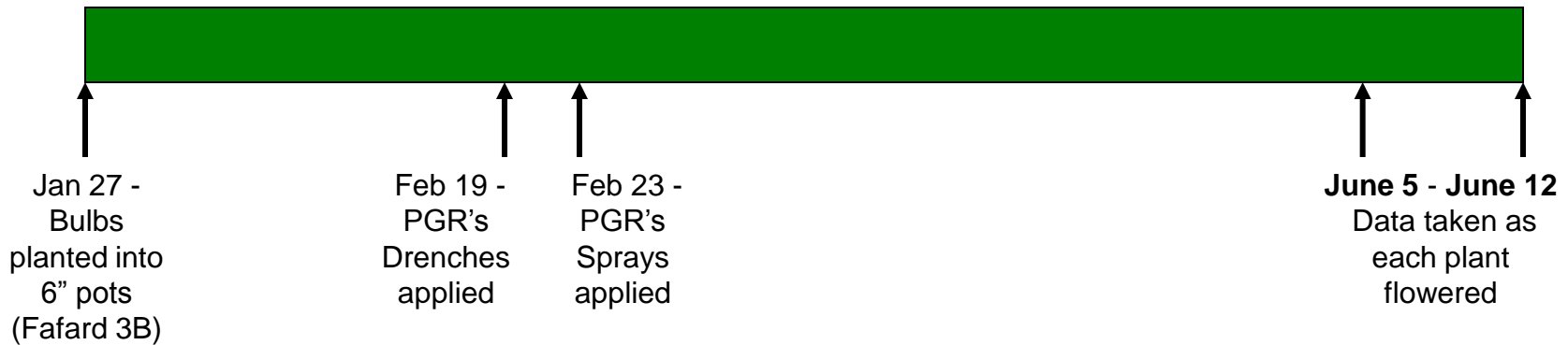
Dr. Brian A. Krug

University of New Hampshire

Cooperative Extension

fine

# 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

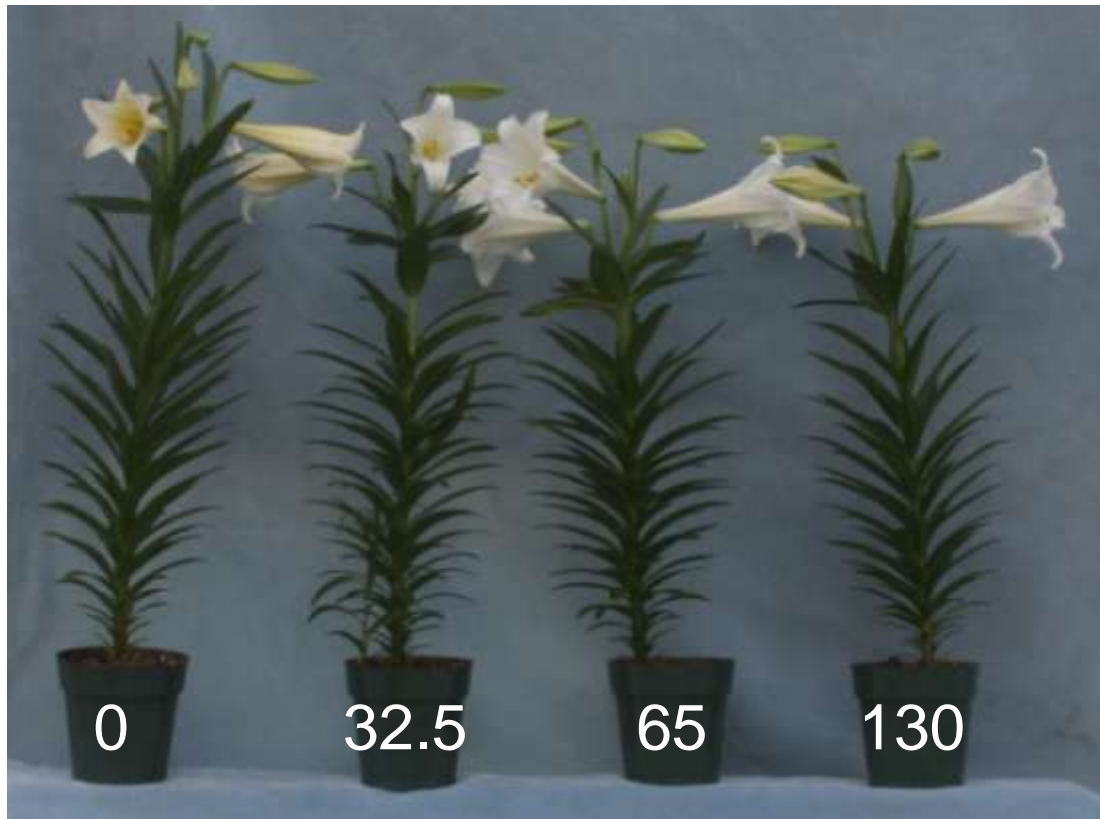


Stage of development at treatment (Drench) ~ 5 cm tall



# Easter Lily 'Nellie White'

# Abide Foliar Sprays

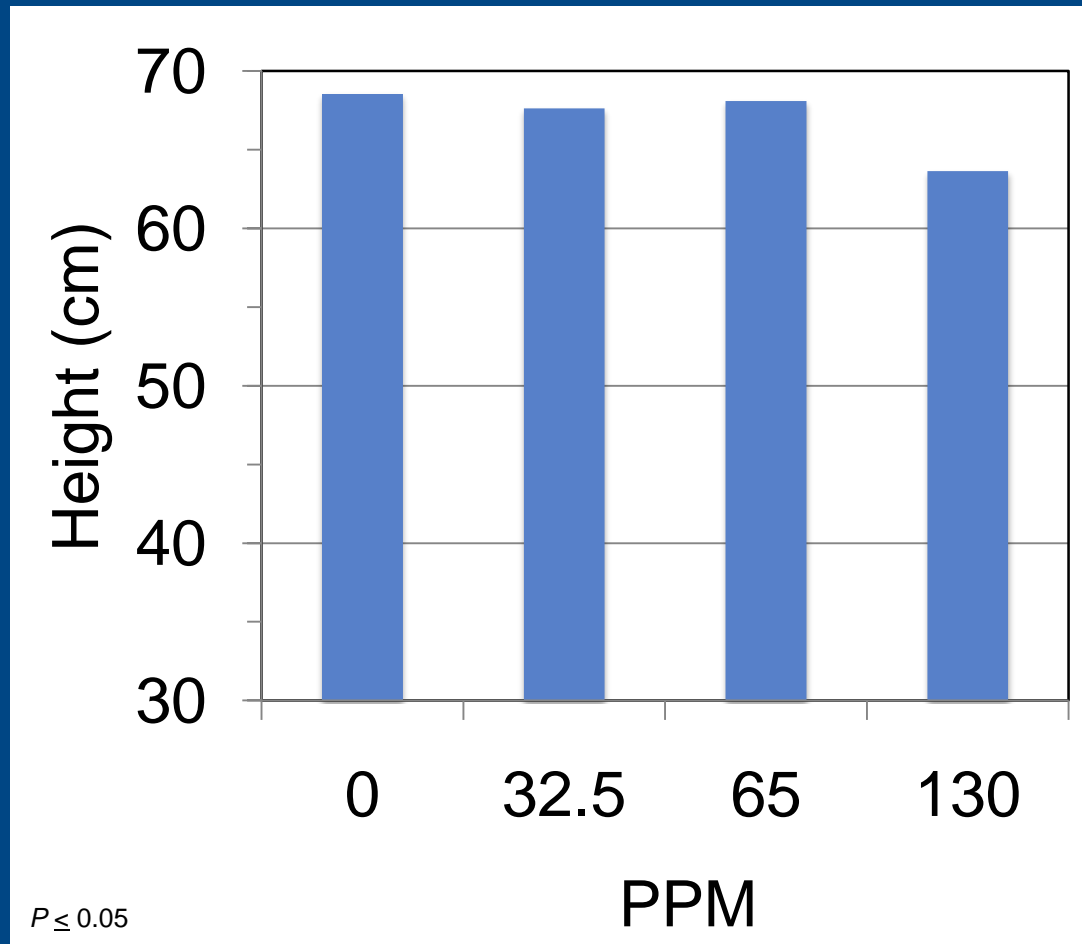


ppm

Easter Lily 'Nellie White'

# Abide Foliar Sprays

## Plant Height

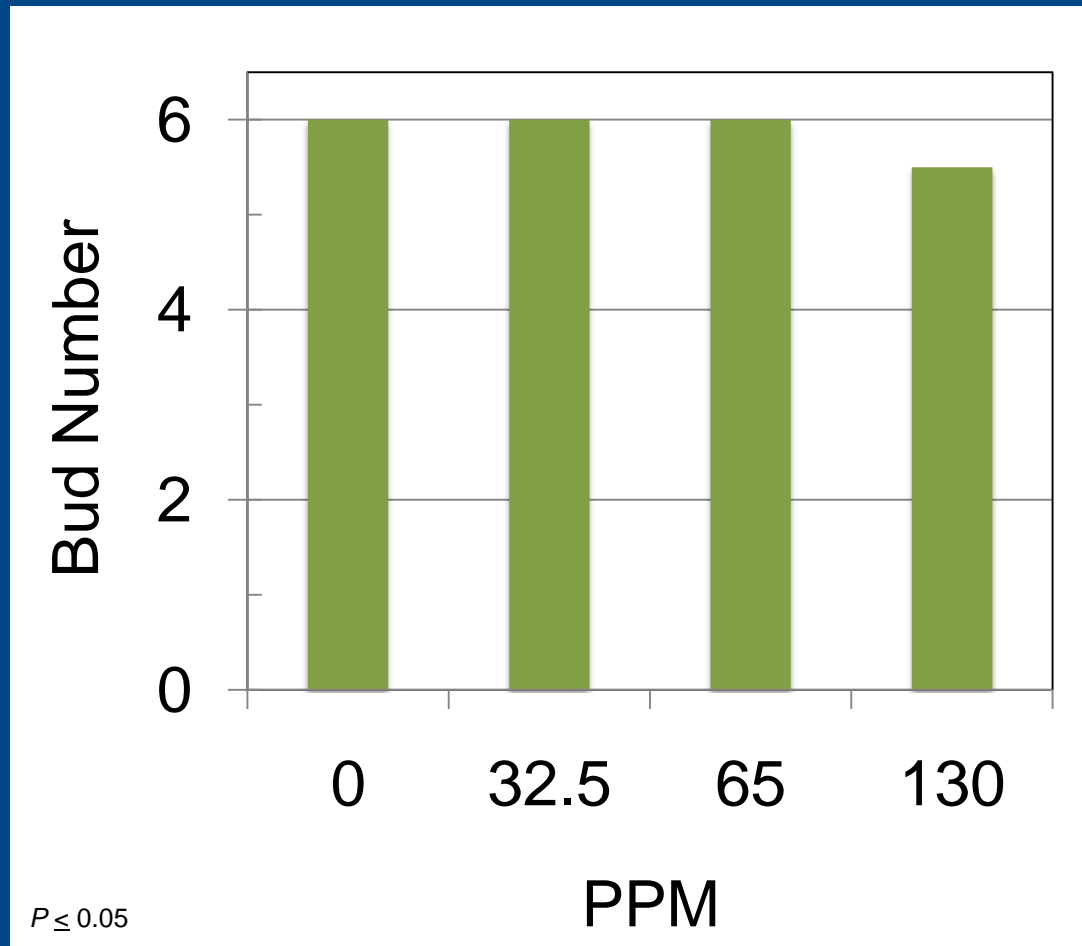


No Significant Difference

Easter Lily 'Nellie White'

# Abide Foliar Sprays

## Bud Count



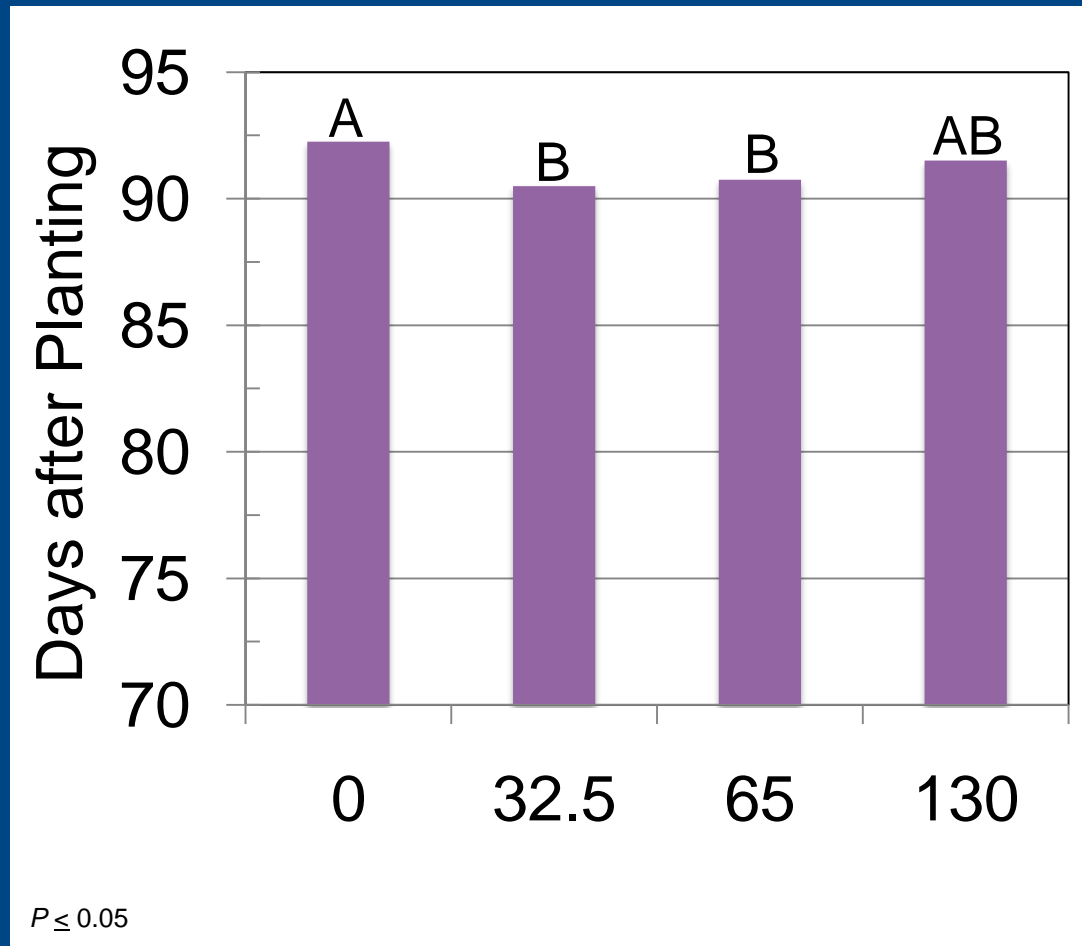
No Significant Difference

Easter Lily 'Nellie White'



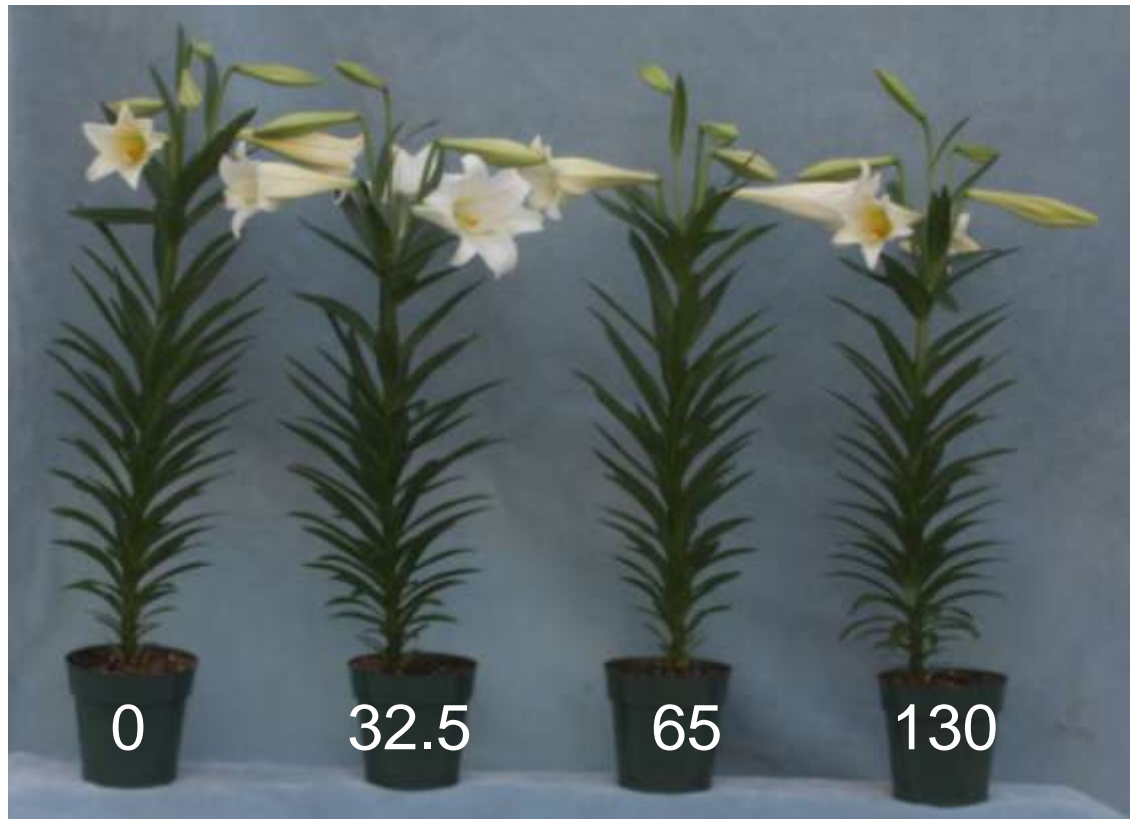
# Abide Foliar Sprays

## Days to Flower



Easter Lily 'Nellie White'

# A-Rest Foliar Sprays

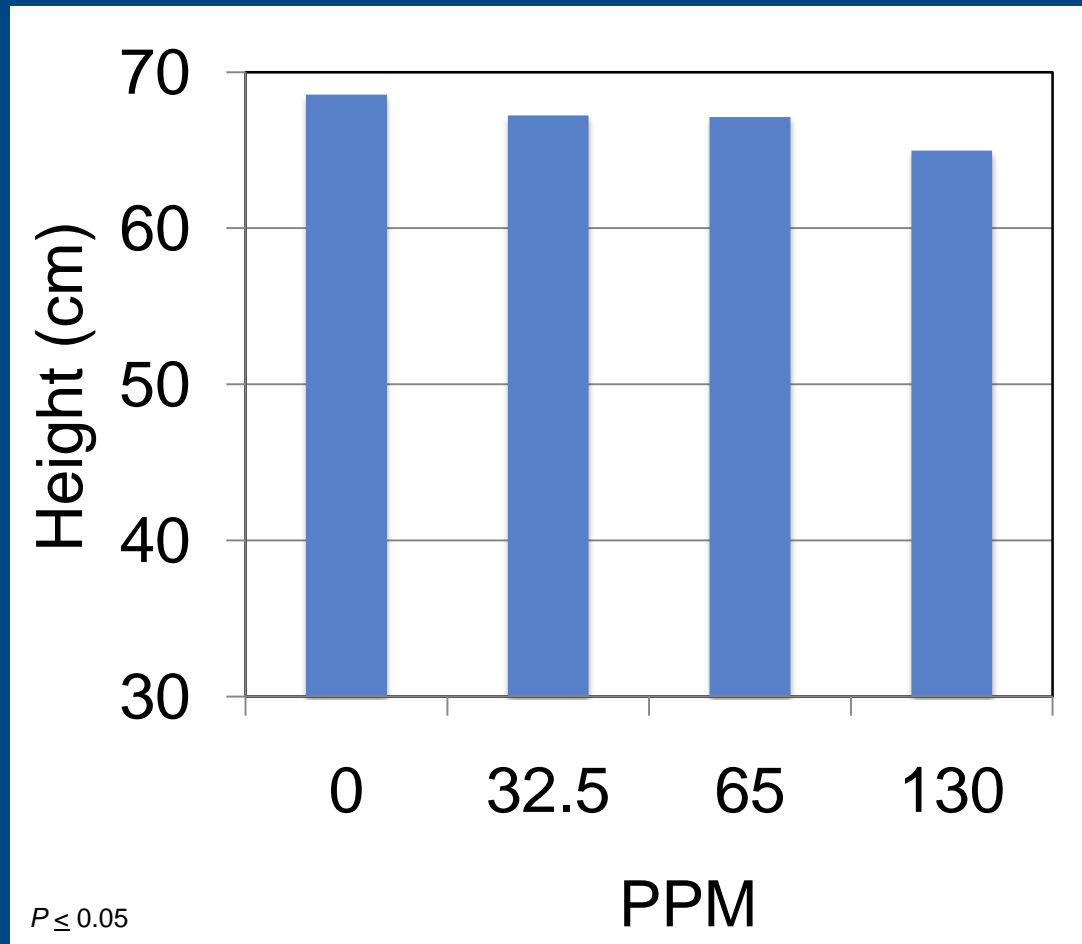


ppm

Easter Lily 'Nellie White'

# A-Rest Foliar Sprays

## Plant Height

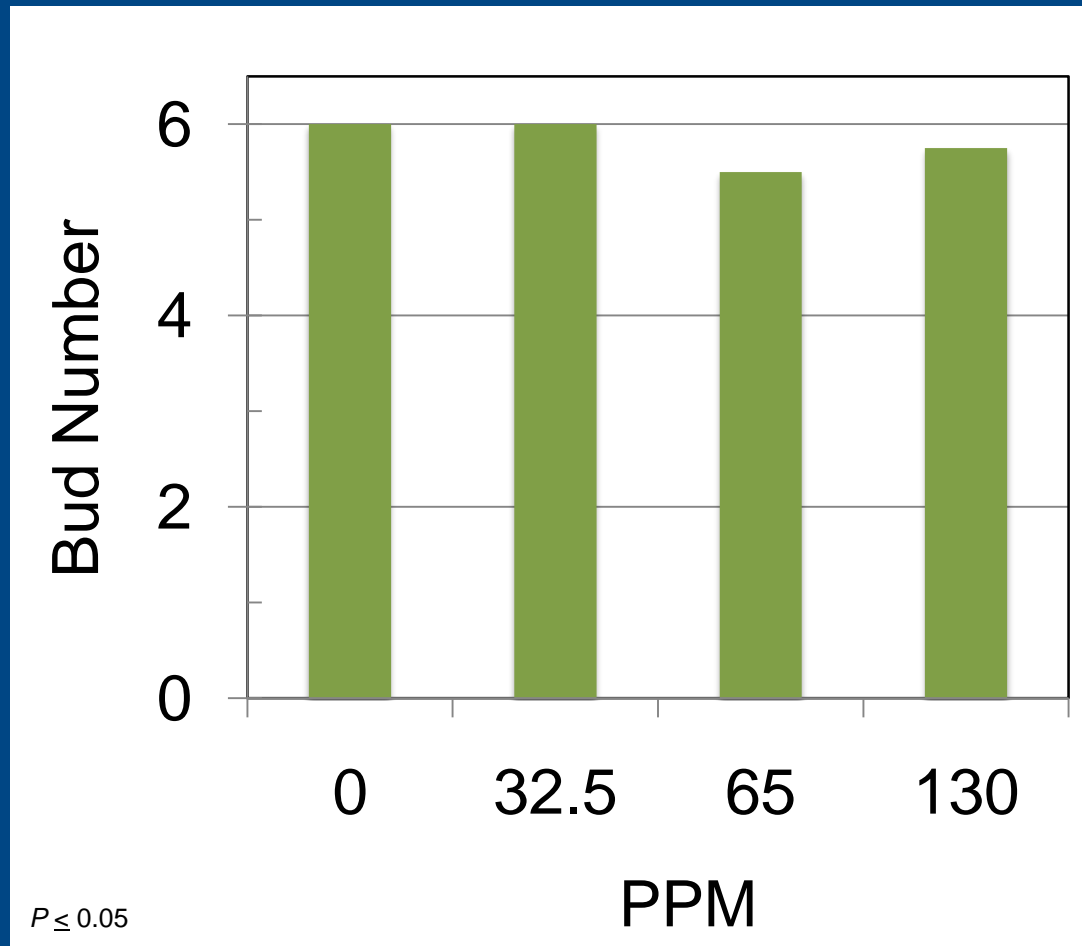


No Significant Difference

Easter Lily 'Nellie White'

# A-Rest Foliar Sprays

## Bud Count

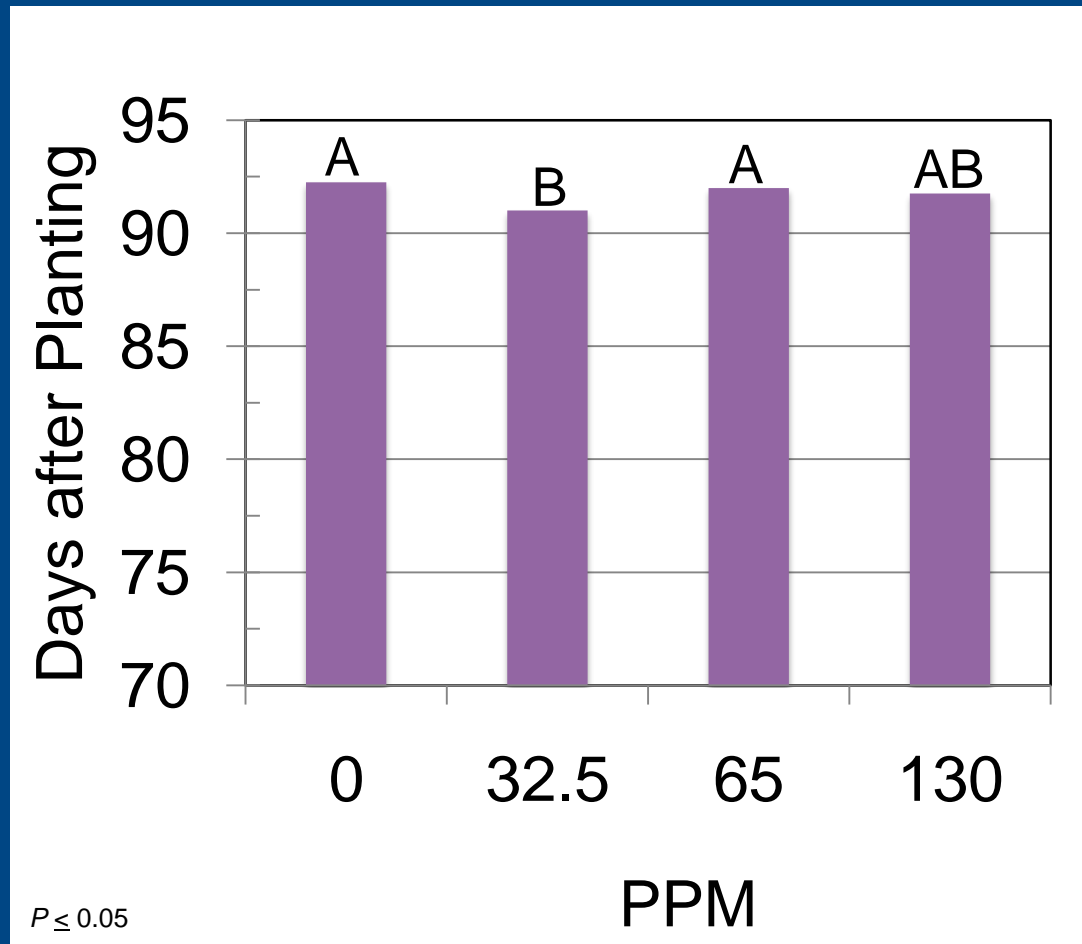


No Significant Difference

Easter Lily 'Nellie White'

# A-Rest Foliar Sprays

## Days to Flower



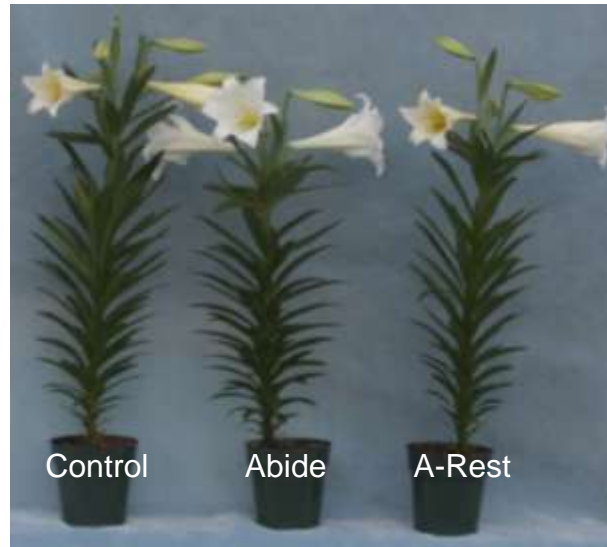
Easter Lily 'Nellie White'

# Foliar Sprays

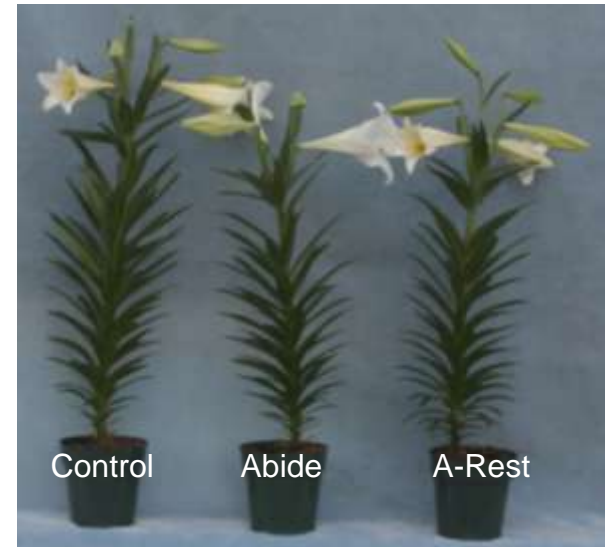
## Abide vs. A-Rest



32.5 ppm



60 ppm

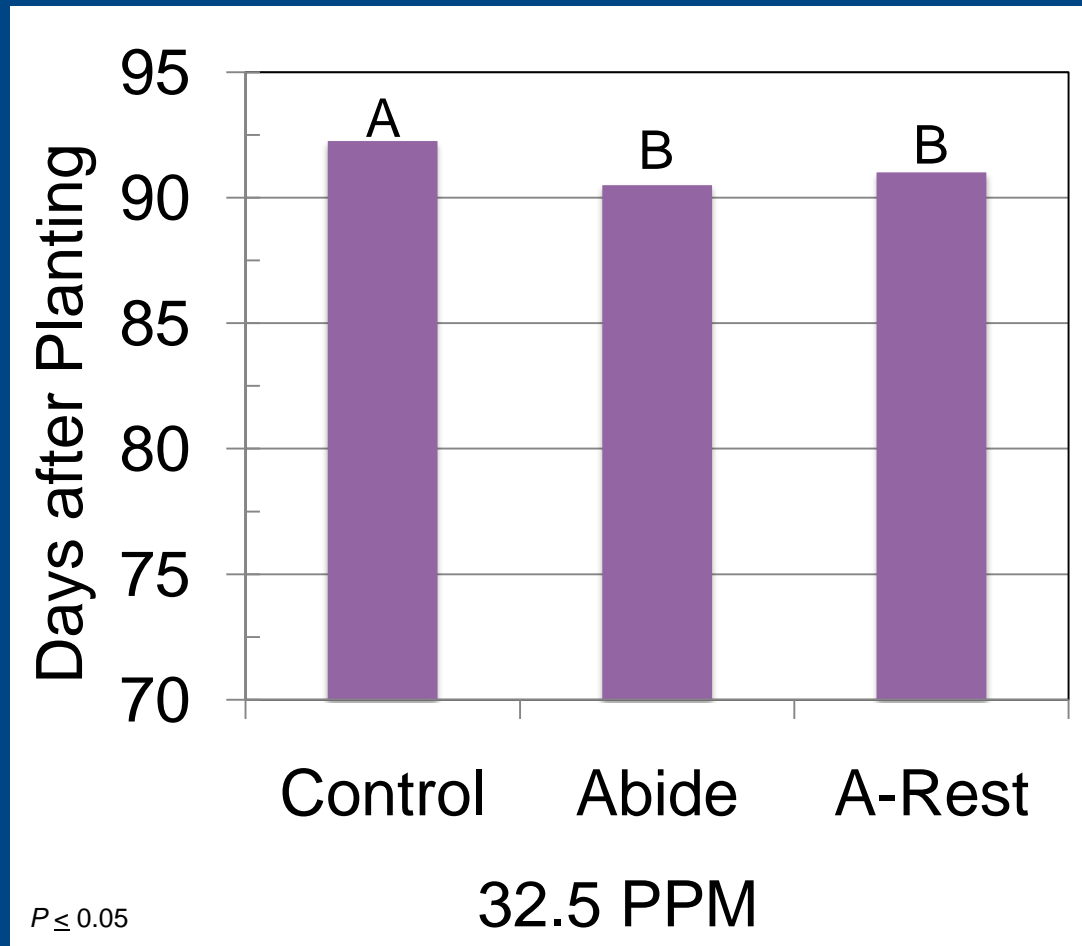


130 ppm

Easter Lily 'Nellie White'

# Foliar Sprays

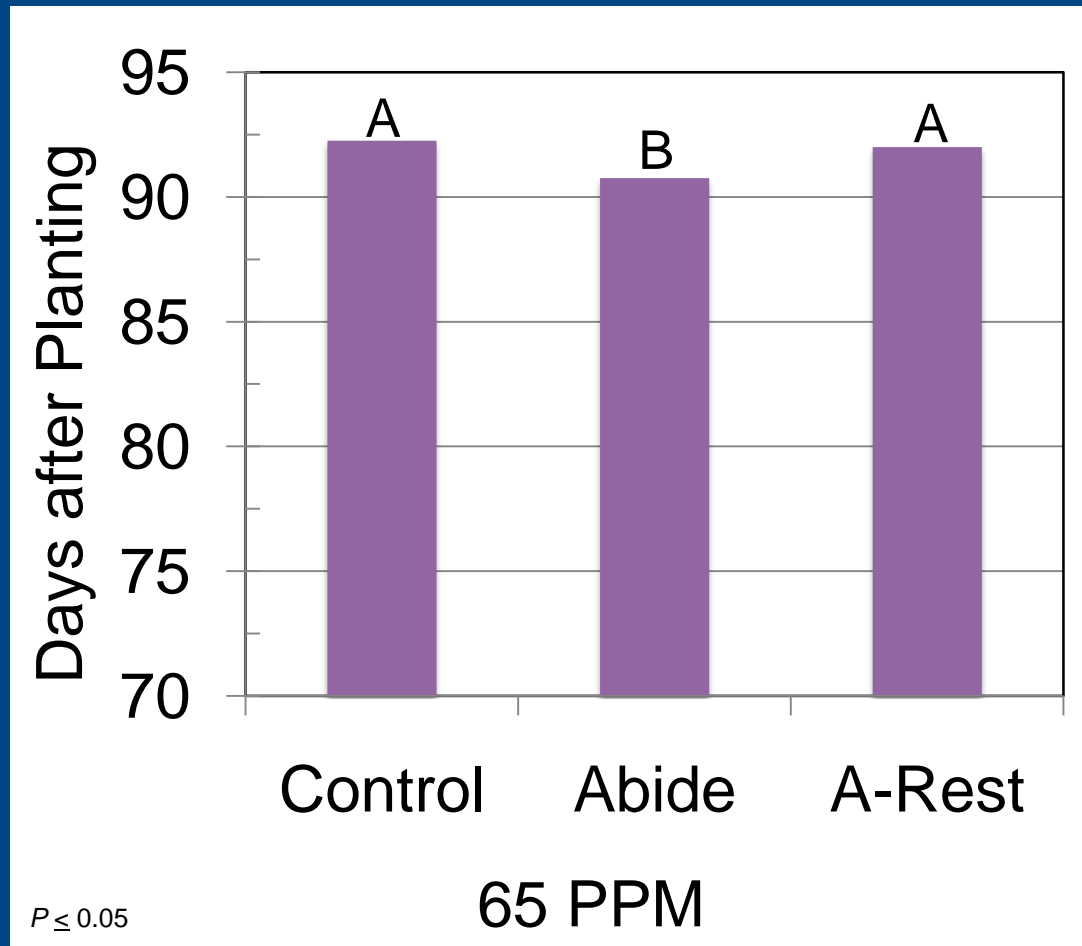
## Abide vs. A-Rest (days to flower)



Easter Lily 'Nellie White'

# Foliar Sprays

## Abide vs. A-Rest (days to flower)



Easter Lily 'Nellie White'



# Abide Substrate Drenches

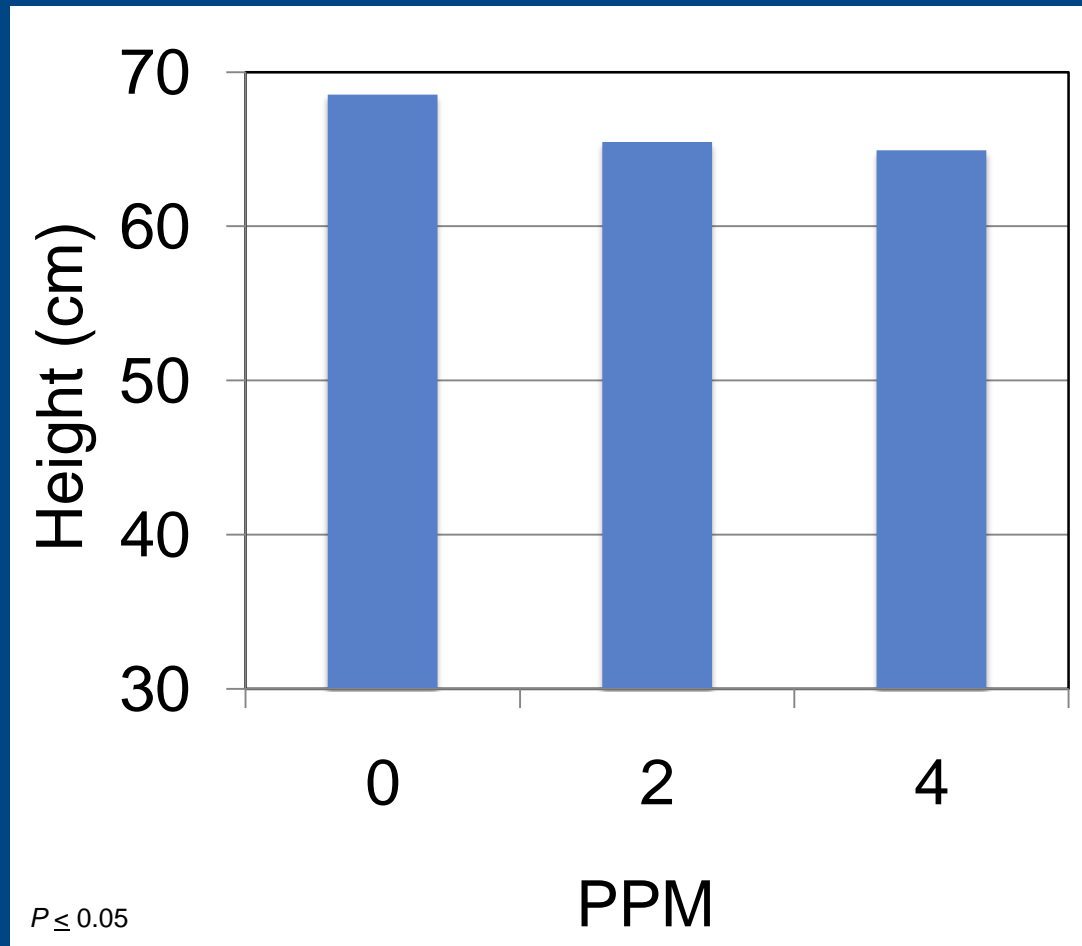


ppm

Easter Lily 'Nellie White'

# Abide Substrate Drenches

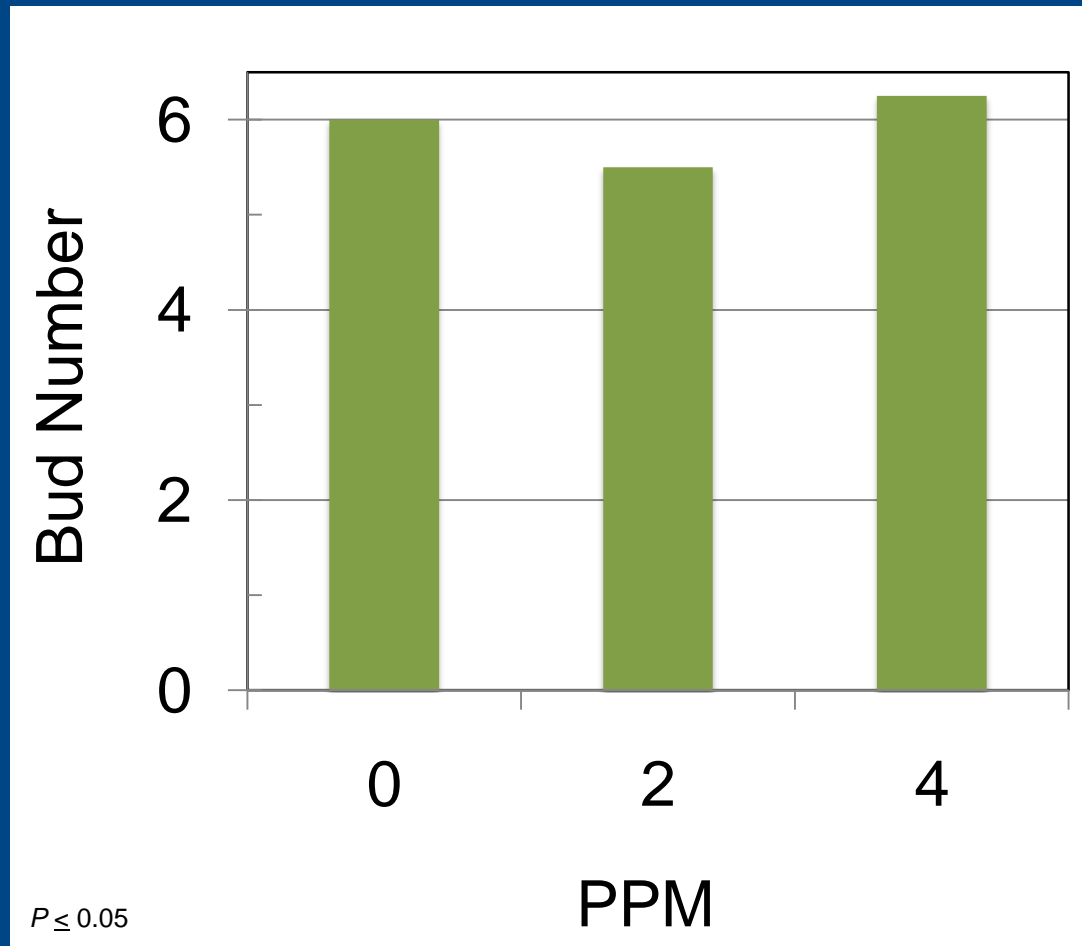
## Plant Height



Easter Lily 'Nellie White'

# Abide Substrate Drenches

## Bud Count

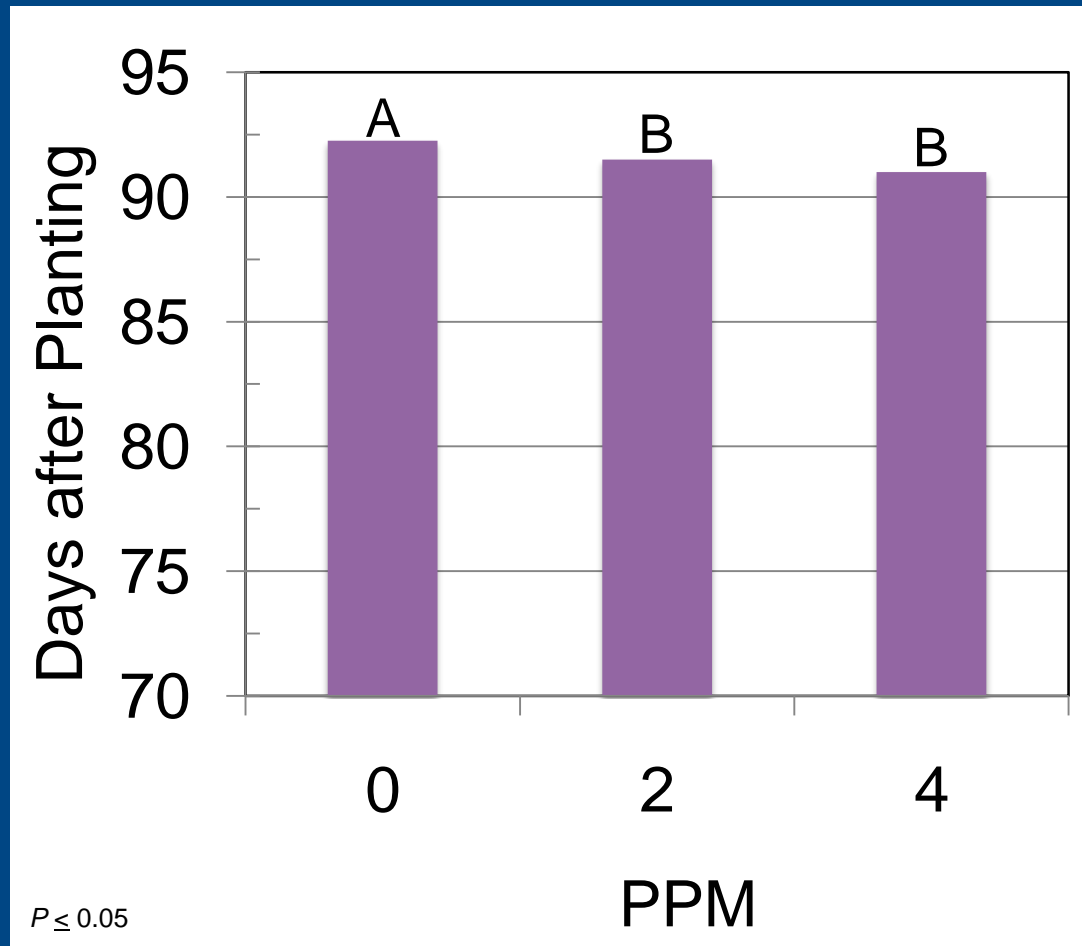


No Significant Difference

Easter Lily 'Nellie White'

# Abide Substrate Drenches

## Days to Flower



Easter Lily 'Nellie White'

# A-Rest Substrate Drenches

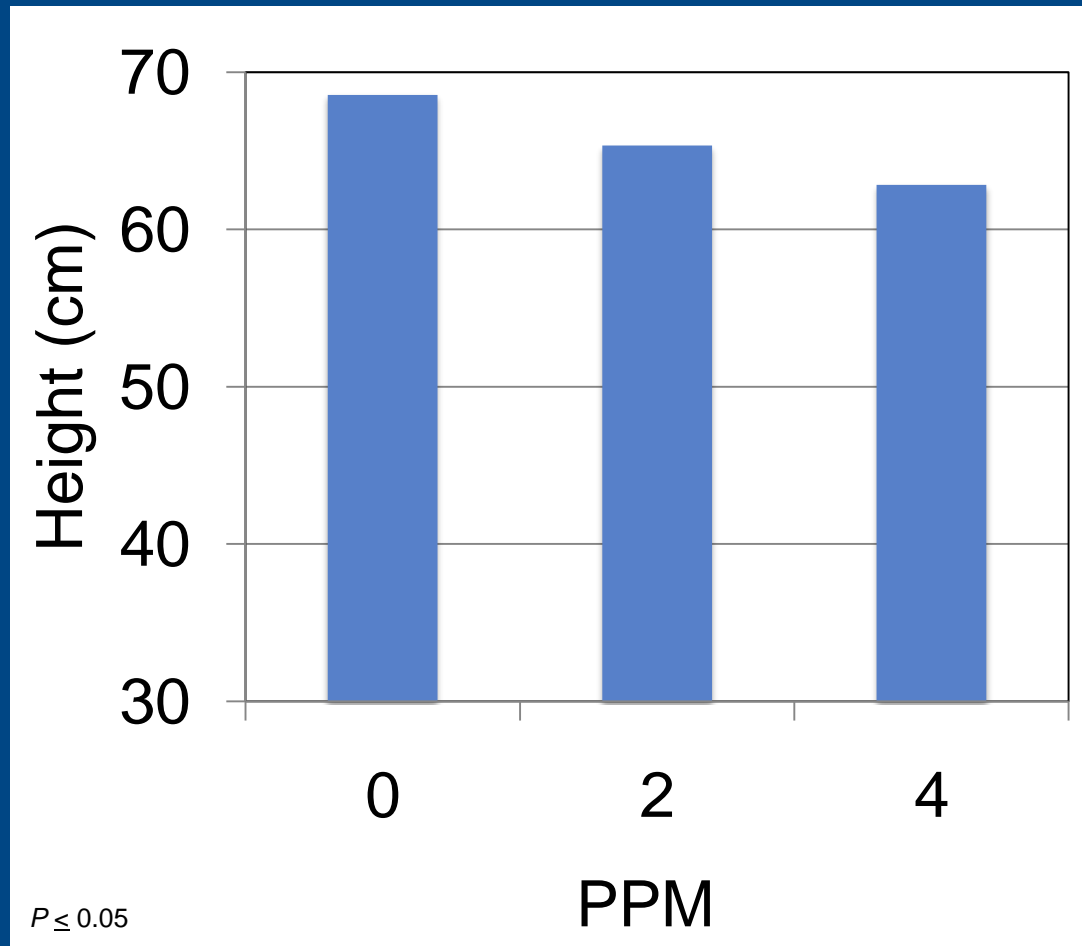


ppm

Easter Lily 'Nellie White'

# A-Rest Substrate Drenches

## Plant Height

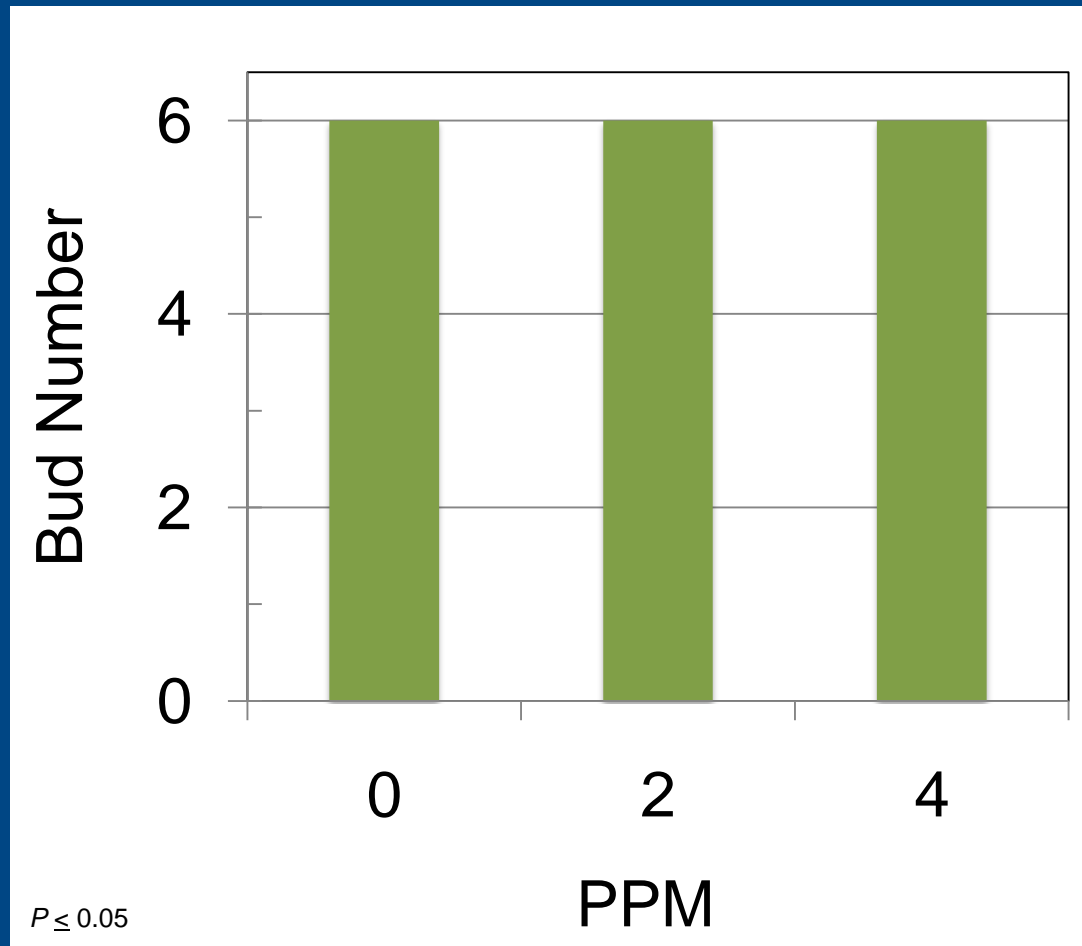


No Significant Difference

Easter Lily 'Nellie White'

# A-Rest Substrate Drenches

## Bud Count

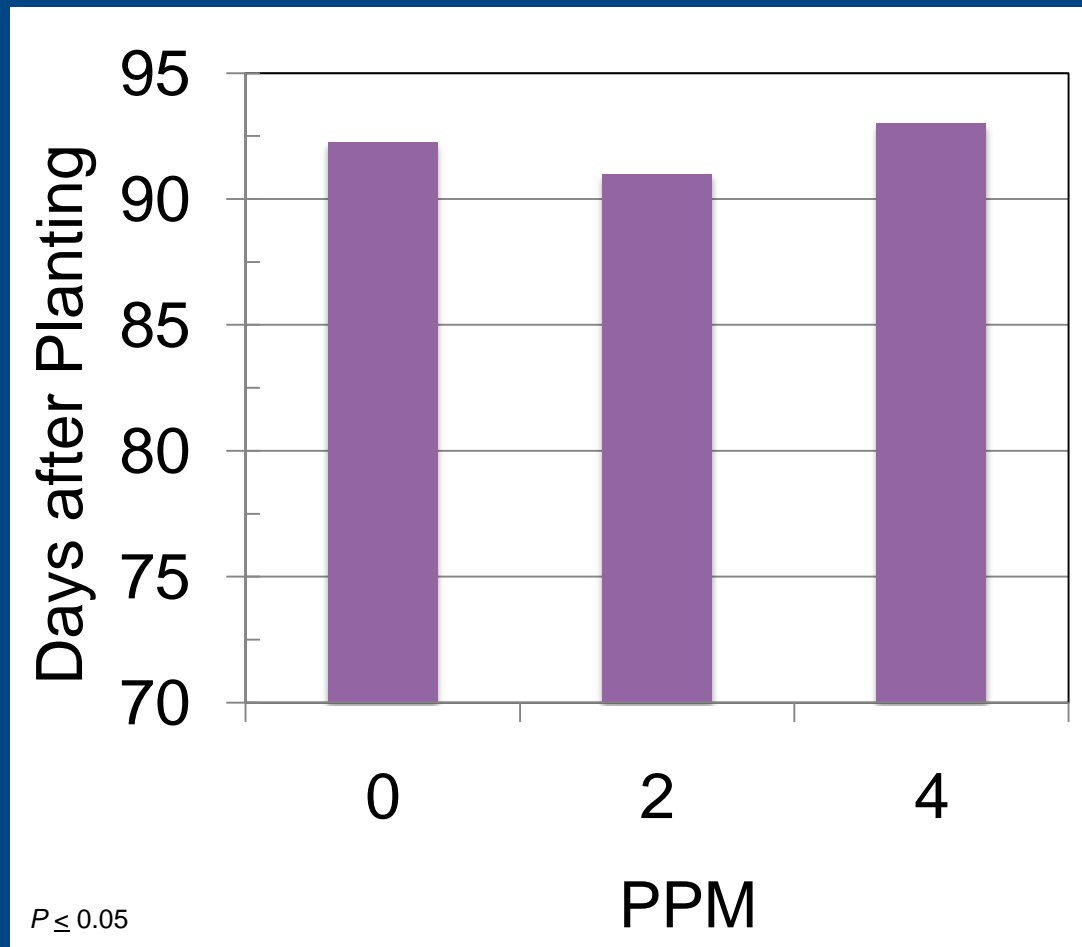


No Significant Difference

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