



Ball Flora Plant
Research & Development

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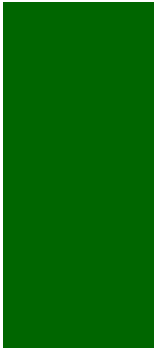
Bidens Bee-Alive Color Study

Arroyo Grande, Early Spring 2017

BallFloraPlant

Bidens Bee-Alive Color Study

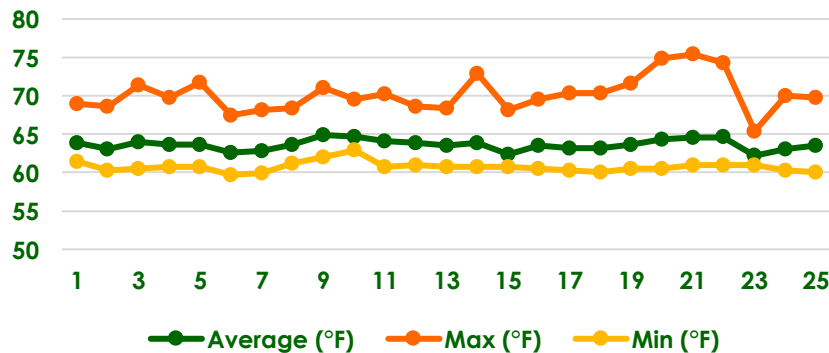
Early Spring 2017



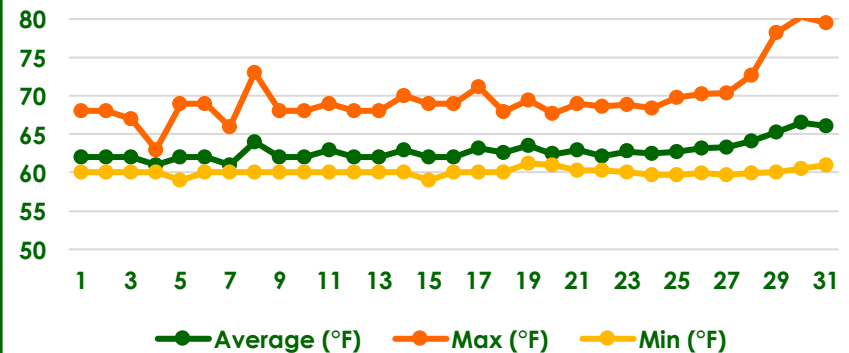
- Tray size: 102
- **Stick: Week 47**
- Pinch: Week 50
- Transplant: Week 51
- PGR Application: Week 1 & Week 3
- Finish: Week 6
- **Total crop time: 11weeks**
- Soil pH: 5.8 (ideal pH 5.8-6.2)
- Fertilizer 17-5-17 (200 ppm N)
- Container Size: 1 Quart
- **Treatments:**
 1. Control, No PGR
 2. B-Nine 1,000 ppm spray, applied week 1
 3. B-Nine 750 spray, applied week 1
 4. Florel 350 ppm spray, applied week 1
 5. Bonzi 1 ppm drench, applied week 3

Average Temperatures

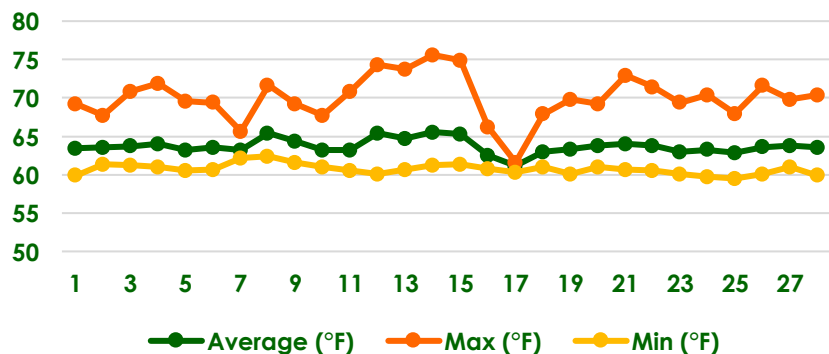
December Temperatures - 2016



January Temperatures - 2017



February Temperatures - 2017

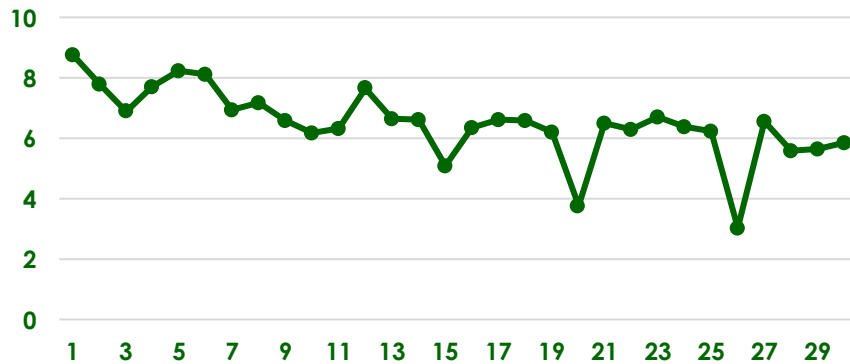


Average Temperatures

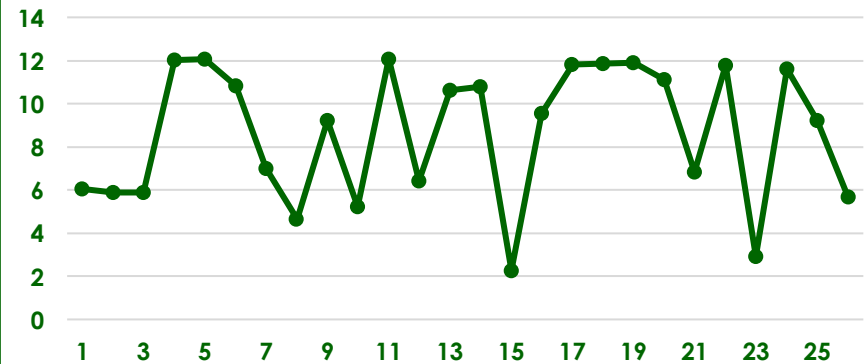
Month	Average (°F)	Max (°F)	Min (°F)
November	68 °F	77 °F	64 °F
December	64 °F	70 °F	61 °F
January	63 °F	70 °F	60 °F

Average Moles

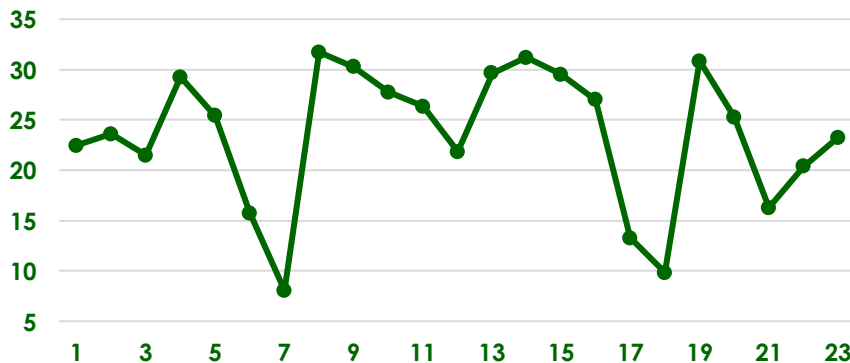
November 2016 – Average mol/m²d⁻¹



December 2016 – Average mol/m²d⁻¹



April 2017 – Average mol/m²d⁻¹



Average Moles:

- November: 6.5 mol/m²d⁻¹
- December: 8.7 mol/m²d⁻¹
- January: 9.5 mol/m²d⁻¹

Bee-Alive

4 Weeks After Transplant



Control



B-Nine 750 ppm



B-Nine 1,000 ppm



Florel 300 ppm

❖ PGR application made 2 weeks after transplant.

4 Weeks After Transplant



At time of Bonzi 1ppm drench application

6 Weeks After PGR Application



Control



B-Nine 750 ppm



B-Nine 1,000 ppm

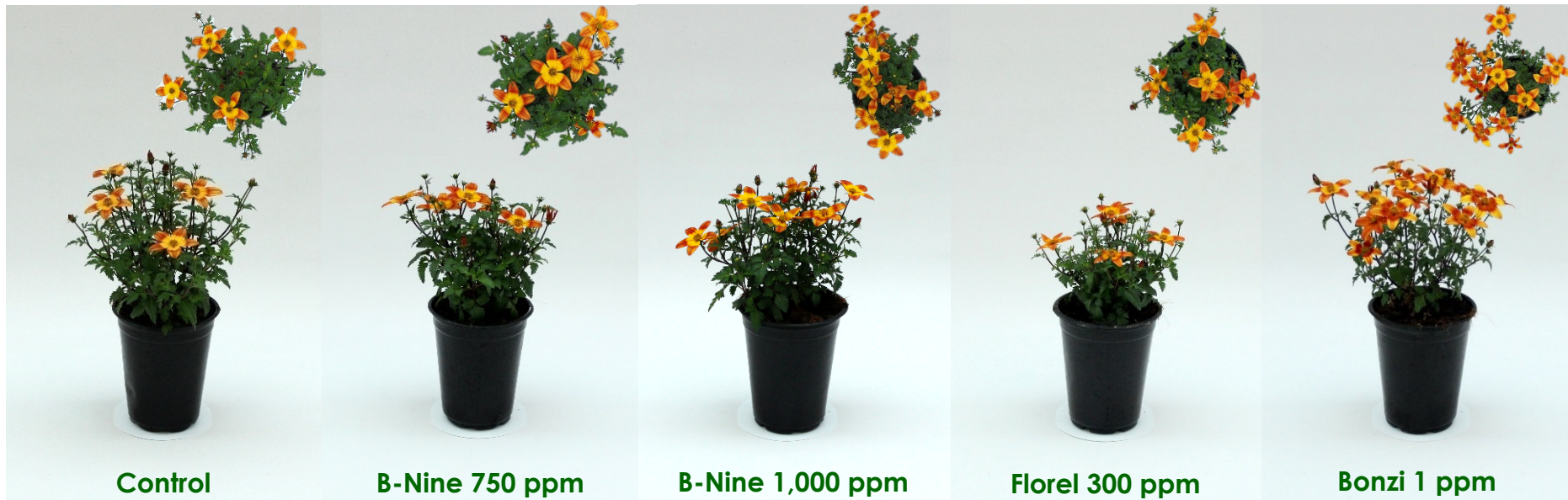
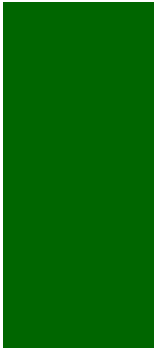


Flores 300 ppm



Bonzi 1 ppm (4 Weeks
after application)

Bee-Alive 7 Weeks After Transplant



Bee-Alive

5 Weeks After PGR Applications



Control

B-Nine 1,000 ppm

B-Nine 750 ppm

Florel 300 ppm

Bonzi 1 ppm

Best Cultural Practices

Recommendation

- Bidens Bee-Alive can be successfully grown with no PGRs.
- Depending on growing conditions and preference, low B-Nine Spray applications (750 ppm – 1,000 ppm) provided us the best results when growing pot tight. It produced a well toned pot with minimal flower delay.
- Bee-Alive does not have a stable pattern. Expression changed through out trial, varied depending on PGR treatment and age. Over all, red edges expressed themselves more with B-nine applications, and as plants aged in other treatments.
- When compared to other leading competitive varieties, Bee-Alive had a much more compact and upright habit. Making it more grower friendly and easier to work with