



Ball Flora Plant  
Research & Development

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# Cadet Upright Verbena

## Minimum Culture Standards

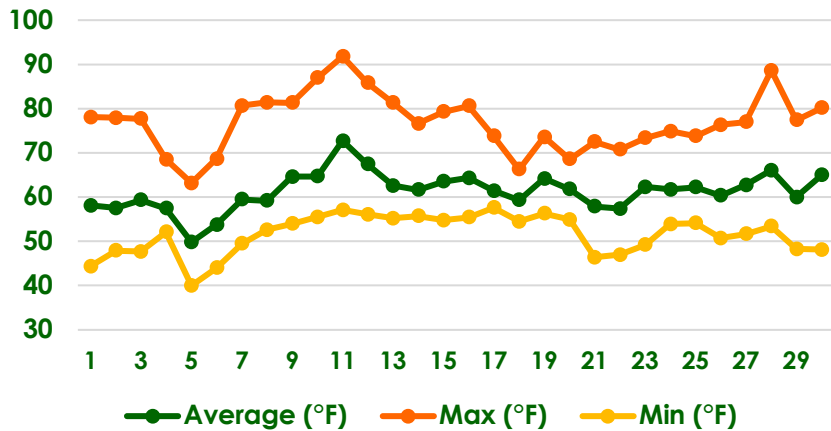
Ball<sup>FloraPlant</sup>

# Cadet Upright Verbena Minimum Culture Standards

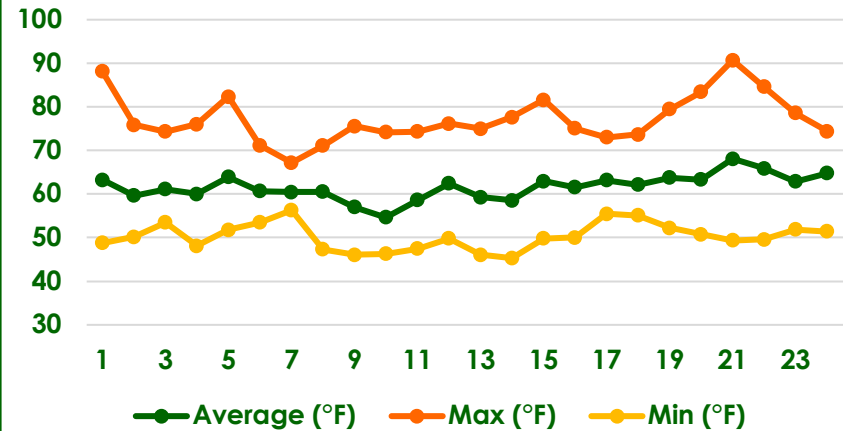
- Tray size: 102
- **Stick: Week 4**
- Pinch: Week 8
- Transplant: Week 10
- PGR Application: Week 11
- Finish: Week 15
- **Total crop time: 11 Weeks**
- Soil pH: 5.8 (ideal pH 5.8-6.2)
- Fertilizer 17-5-17 (200 ppm N)
- Container Size: 1 Quart
- **Treatments:**
  1. Control, (Pinch/No PGR)
  2. B-Nine 2,500 ppm Spray
  3. B-Nine 2,500/ Cycocel 750 ppm spray
  4. Bonzi 1 ppm Spray

# Average Temperatures

March Temperatures - 2017



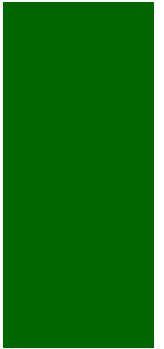
April Temperatures - 2017



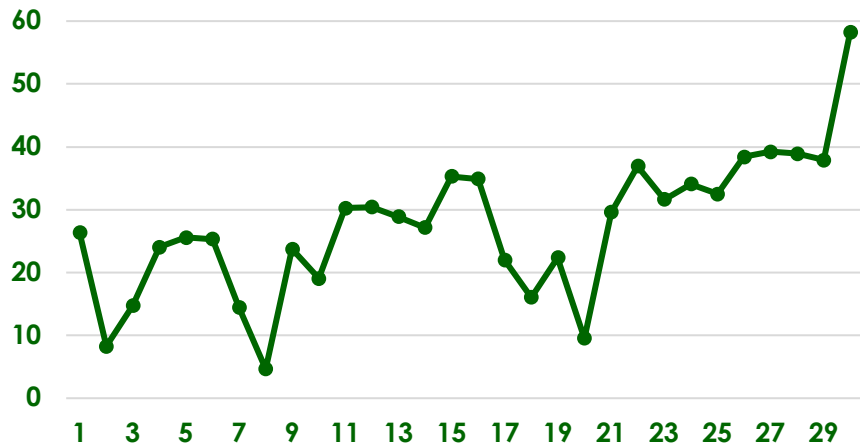
Average Temperatures

Month	Average (°F)	Max (°F)	Min (°F)
March	61°F	77 °F	52 °F
April	62 °F	77 °F	50 °F

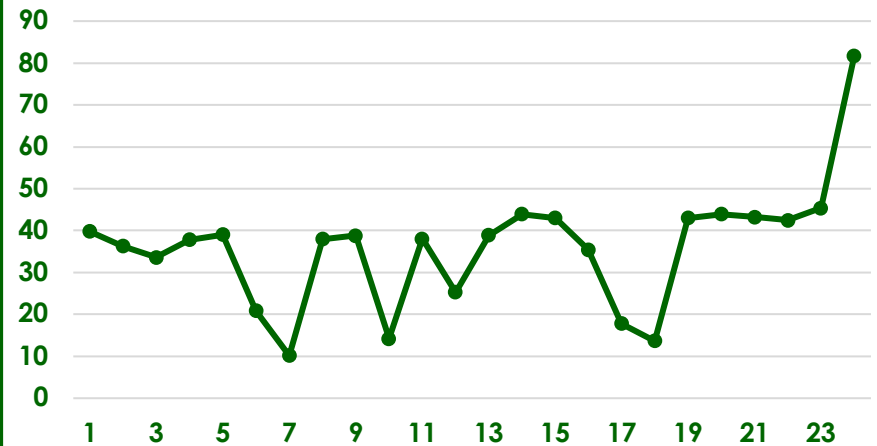
# Average Moles



March 2017 - Average mol/m<sup>2</sup>d<sup>-1</sup>



April 2017 - Average mol/m<sup>2</sup>d<sup>-1</sup>



## Average Moles:

- March: 27.3 mol/m<sup>2</sup>d<sup>-1</sup>
- April: 36 mol/m<sup>2</sup>d<sup>-1</sup>



# 5 Weeks After Transplant Control/No PGR



# 5 Weeks After Transplant B-Nine 2,500 ppm Spray



Hot Pink Wink



Lavender Blue



Magenta Wink



Pink



Purple



Red



White

# 5 Weeks After Transplant B-Nine 2,500/Cycocel 750 ppm Spray



Hot Pink Wink



Lavender Blue



Magenta Wink



Pink



Purple

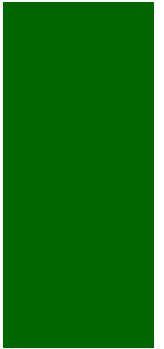


Red



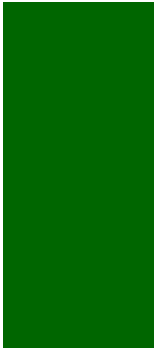
White

# 5 Weeks After Transplant Bonzi 1 ppm Drench



# Cadet Upright Verbena

## Minimum Culture Standards



### Recommended Practice

- We were able to successfully grow Cadet Upright verbena with no PGR's under cool nights averaging 50 °F and daily averages of 60 °F.
- To do this we pinched approximately 4 weeks after stick and transplanted 2 weeks after pinch.

### Growers using PGRs

- B-Nine 2,500/Cycocel 750 ppm tank mix spray, 2 weeks after transplant, helped tone plant and had little impact on flowering.
- Bonzi 1 ppm Drench, 2 weeks after transplant also toned plant really well with no impact on flowering.
- ❖ FLOREL 300 ppm spray produced a really compact plant with major flower delay.