REFINING POINSETTIA PRODUCTION

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PROFITABLE POINSETTIAS
Profit = Sales – Expenses
Increase gross sales with new and different products
Reduce production costs

NORTH AMERICAN POINSETTIA TRIALS
NC State University
• John Dole
University of Florida
• Jim Barrett
Vineland Research Station
• Wayne Brown

NC STATE POINSETTIA PORTAL
poinsettias.ces.ncsu.edu
Poinsettias | North Carolina Cooperative Extension
SAME RED – BUT DIFFERENT...
CONTAINER GARDENS

University of Florida
**NCSU COMBINATION TRIALS**

<table>
<thead>
<tr>
<th>Year</th>
<th>No. 1</th>
<th>No. 2</th>
<th>No. 3</th>
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</thead>
<tbody>
<tr>
<td>2012</td>
<td>Ice and Sparkling Punch</td>
<td>Winter Rose Red and White</td>
<td>Cortez Burgundy and White</td>
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<tr>
<td>2011</td>
<td>Ice and Sparkling Punch</td>
<td>Christmas Season and Winter Sun</td>
<td>Winter Rose Red and White</td>
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<td>2010</td>
<td>Classic Red and White</td>
<td>Cortez Burgundy and White</td>
<td>Christmas Eve, Wintersun and Pink Candy</td>
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<td>2009</td>
<td>Cortez Burgundy and White</td>
<td>Enduring Red, Pink and White</td>
<td>Enduring Red and White</td>
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</tbody>
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Best to use simple combinations with two cultivars
Select carefully for timing and vigor
Pot similar quality cuttings

**EARLY FASCINATION APPLICATIONS**

Can Fascination can be used early in the crop schedule to reduce crop time?

**Rates**
- Control
- Sprays, 5 ppm (+5 ppm Capsil)
- Drenches 2 ppm,

**Applications**
- One week after pinch
- Two weeks after pinch
- At first color
- Two weeks after first color
EARLY SEASON FASCINATION SUMMARY

For most cultivars any increase in height will also delay flowering. For every inch increase in height:

- **Jubilee**: 5 to 6 day delay
- **Mars Red 09**: 2 days
- **Premium**: 5 days for sprays
  - <1 day for drenches
- **Prestige**: 3 to 5 days for sprays
  - <1 day for drenches

Drenches are generally less effective than sprays, but also result in less flowering delay.

LATE FASCINATION APPLICATIONS

Can Fascination be used to increase bract size?

- **With Fascination**: 3 ppm plus spreader sticker
- **Without Fascination**:
LATE SEASON FASCINATION SUMMARY

Apply 3 to 5 ppm at 7 to 14 days prior to anthesis
Little to modest effect if bract development is already optimum
Bonzi can be used to reduce the postharvest cyathia drop that can accompany the late schedule use of Fascination
   Apply sprays at or before Fascination

AUGEÓ

Can Augeo sprays be used to replace pinching?

Rates
   Pinched control
   800 ppm once
   1600 ppm once
   800 ppm twice

Applications
   First – 10 days after transplanting
   Second – 7 days later
Prima Red
Stargazer Red
Titan Red

**Augeo Results**

**Appearance**
Visually identical to pinched plants on some cultivars.
800 to 1600 ppm applied once for most cultivars.

**Lateral Shoot Number**
Many more laterals than a pinched plant.
Most of the lateral shoots will remain below the canopy.
Plants will have only one to two more bract clusters at finish.

**Plant Development and Height**
Plant height usually unaffected (pgrs will be needed).
First color, visible bud and anthesis may be delayed.
Greatest delay observed so far being one week at anthesis for Noel.
AUGEO HINTS

Applications
- Apply about one week prior the normal pinch date.
- Use uniform spray volumes to get a consistent response.
- Avoid overhead irrigation with 24 hours of the spray.

When rates are too low
- Main shoot will remain dominant and branching will be poor.
- PGR sprays 2-5 weeks after the Augeo spray can help.

CALLUS CUTTINGS

Can callus cuttings be used for direct stick production?

CALLUS CUTTINGS

Four propagation environments:
- Mist
- Fog
- Tent
- Remay

Two cultivars: Prestige and Jubilee
Stuck week 31 in 6 ½-in. pots
CALLUS CUTTINGS SUMMARY

Advantages
- Allow use of production space for “propagation” without a mist system
- Allow use of quick or niche crops
- Eliminate transplanting
- Eliminate cost of propagation materials

Disadvantages
- Extra space needed for “propagation”
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Dillen Products
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