



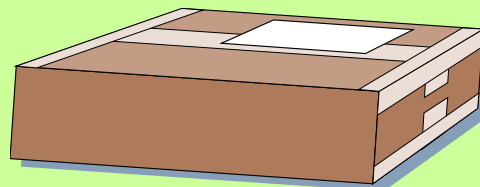
Stock Plant Management

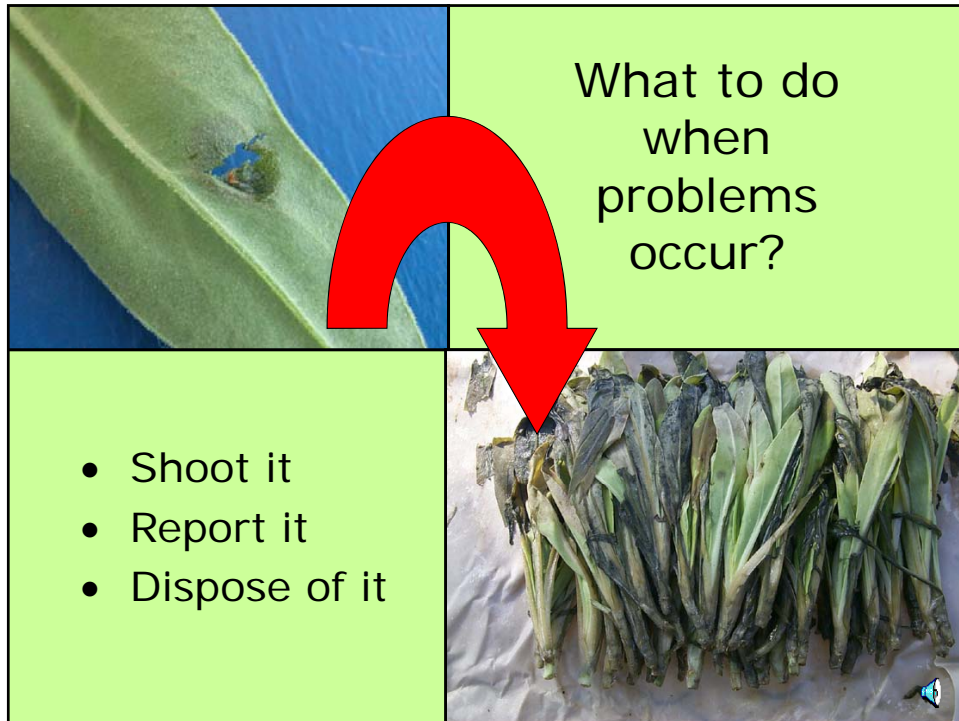
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Ethylene

- 3 to 7 days
- 38 to 65°F
- Cooled to 38°F
- Prevent >50°F
- Unpack and re-hydrate immediately





What to do when problems occur?

- Shoot it
- Report it
- Dispose of it

Propagation Environment

- Separate from production
- Screening and barriers
- Rigid flooring



Propagation Environment

- Thermometers check hot/ cold spots
- Mist risers- 24" above bench







Sanitation

- Greenshield®
 - 12 fl oz / 25 gal.
- Basins
 - Bleach and soap
 - 2 caps bleach + 1 Tbsn. soap/ 5 gal.
- Footbaths (QACs)

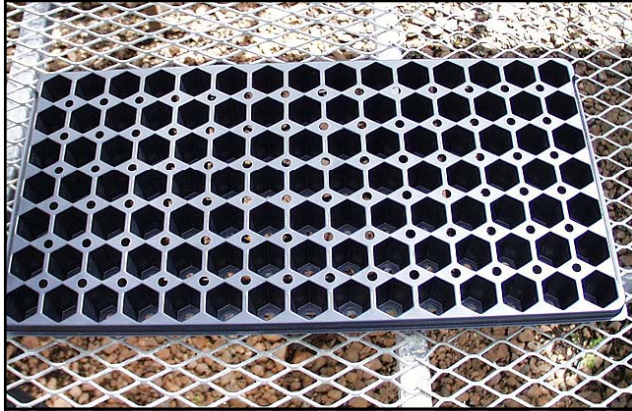


Which rooting substrate should I use?

- 50/50 peat:perlite
- IHT
- Ellipot
- Ener-G System
- Fertiss
- Jiffy
- Oasis or Agri-foam
- Plug mix
- Preforma



Which type of
rooting tray
should I use?



Deeper the
cell, better
the drainage



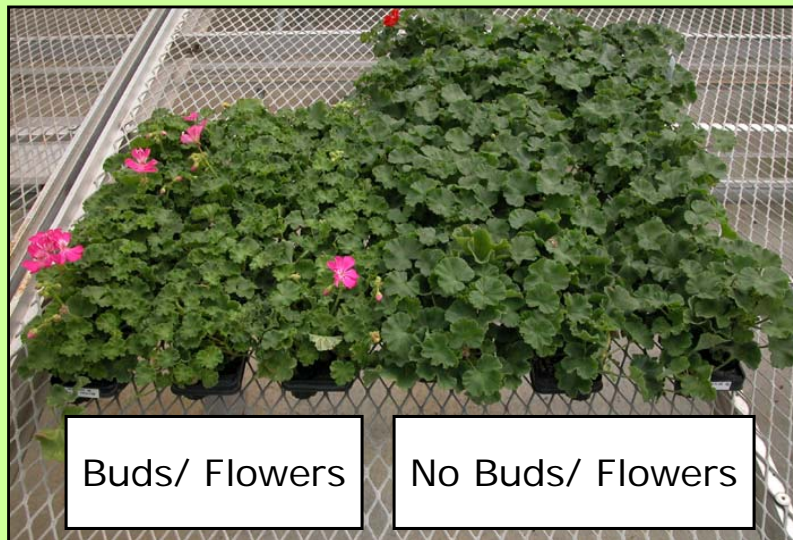
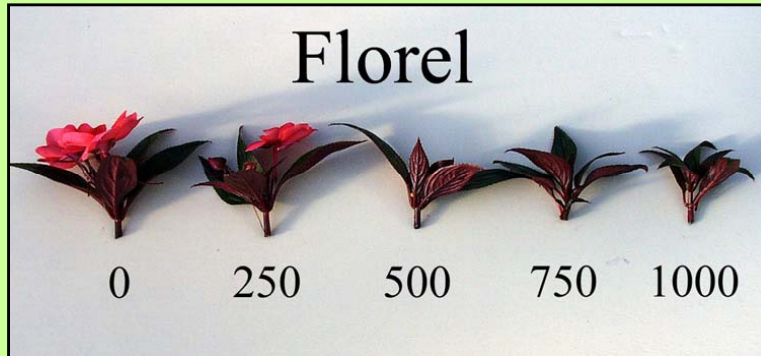
Rooting Hormones???

- IBA (1,000 to 3,000 ppm)
- K-IBA (water soluble)
- NAA (500 ppm)
- Quick-dip
- Species
 - Bracteantha
 - Mimulus
 - Osteospermum



Florel

- Flowering- 6 to 8 weeks from application
- Can be applied during propagation
- 250 to 500 ppm



Be aware of stock plant management issues.





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Pinching during propagation prevents legginess.



Management of Stock Plants to Maximize Cutting Propagation

- Selection and maintenance of source material that is easy-to-root
- Type of wood selected
- Wounding



Management of Stock Plants to Maximize Cutting Propagation

- Manipulation of environmental conditions and physiological status of stock plant in relation to:
 - Water status
 - Temperature
 - Light
 - Stock plant etiolation
 - Girdling
 - CO₂ enrichment
 - Carbohydrates
 - Managing carbohydrate/nitrogen levels



Maximized Rooting of Woody Ornamentals

- Easy-to-root
- Juvenile
 - Physiological age
 - Chronological age
- Shearing/Hedging



This azalea plant has been selected for cutting production because of its outstanding flowering traits.



Stock plant of live oak



Magnolia propagation