

Poinsettia Diseases and Their Control



A. R. Chase



Common Diseases

- Botrytis blight (*Botrytis cinerea*)
- Phytophthora root rot (*Phytophthora drechsleri*, *Phytophthora nicotianae*)
- Powdery mildew (*Pseudoidium poinsettiae*, *Oidium poinsettiae*, *Leveillula clavata*, *Leveillula taurica*, *Oidiopsis taurica*, *Phyllactinia poinsettiae*, *Ovulariopsis erysiphoides*)
- Pythium root rot (*Pythium aphanidermatum*, *Pythium ultimum*, *Pythium cryptoirregulare*)
- Rhizoctonia cutting rot and stem rot (*Rhizoctonia solani*)
- Scab (*Sphaceloma poinsettiae*)
- Soft rot (*Pectobacterium* = *Erwinia*)
- Xanthomonas leaf spot (*Xanthomonas axonopodis* pv. *poinsettiae*)





BOTRYTIS/SCLEROTINIA ROTATION

- **Chipco 26019 NG, 26019 FLO** (2-iprodione)
- **Daconil Ultrex** (M5-chlorothalonil)
- **Decree** (17-fenhexamid)
- **Astun, Broadform** and **Orkestra Intrinsic** (7/11)
- **Palladium** (12 and 9–fludioxonil and cyprodinil)



RHIZOCTONIA ROTATION

- **3336, Fungo, OHP-6672** (1-thiophanate methyl)
- **Heritage, Empress Intrinsic** (11- strobilurins) or combination of 7/11 (**Mural, Pageant Intrinsic, Broadform**)
- **Medallion** (12-fludioxonil)
- **RootShield or RootShield Plus** (44-*Trichoderma harzianum*) root rot root zone mainly







PYTHIUM ROTATION

- **RootShield Plus** (nc-*Trichoderma harzianum* and *T. virens* G-41)
- **Segway O** (21-cyazofamid)
- **Empress Intrinsic** (11-pyraclostrobin)
- **Subdue MAXX** (4-mefenoxam) consider adding KleenGrow for aid in resistance management
- **Terrazole** or **Truban** (14-etridiazole)





POWDERY MILDEW ROTATION

- **Compass, Disarm O, Heritage, Mural** or **Pageant Intrinsic** (11-strobilurins) or (7/11 combinations)
- **MilStop** (nc-K bicarbonate)
- **Palladium** (9 - cyprodinil and 12 - fludioxonil)
- **Terraguard, Eagle** and many others (3-sterol inhibitors)



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SCAB ROTATION

- **Broadform, Compass, Heritage or Pageant Intrinsic** (11-strobilurins)
- **MilStop** (nc-K bicarbonate)
- **Palladium** (9 - cyprodinil and 12 - fludioxonil)
- **Terraguard, Eagle** and many others (3-sterol inhibitors)





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BACTERICIDE ROTATION

- **Agri-Mycin** (antibiotic-streptomycin sulfate)
- **Copper** (M1-Camelot O, Kalmor, Kocide 3000, and Phyton 27) (most bacteria)
- **KleenGrow** (nc-quaternary ammonium) (most bacteria)
- **Triathlon BA** (nc-*Bacillus amyloliquifaciens*) or **Cease** (nc-*Bacillus subtilis*)
- **EcoSwing** (extract from Swinglea)



PHYTOPHTHORA ROTATION

- **Adorn** (43-fluopicolide) (tank-mix as directed)
- **Segway O** (21-cyazofamid)
- **Segovis** (49-OXTP)
- **Subdue MAXX** (4-mefenoxam)
- **Stature SC** (40-dimethomorph) OR **Orvego** (40 and 45-ametoctradin) OR **Micora** (40-mandipropamid)
- **Terrazole** or **Truban** (14-etridiazole)

Uncommon Diseases

- Alternaria leaf spot (*Alternaria euphorbiae*, *A. euphorbiicola*)
- Anthracnose (*Colletotrichum truncatum*)
- Bacterial blight (*Curtobacterium flaccumfaciens* pv. *poinsettiae*)
- Choanephora wet rot (*Choanephora cucurbitarum*)
- Corynespora leaf spot (*Corynespora cassiicola*)
- Greasy canker (*Pseudomonas viridiflava*)
- Rhizopus blight (*Rhizopus stolonifer*)
- Thielaviopsis root rot (*Thielaviopsis basicola*)



**....There is always
a practical solution**

QUESTIONS???