

# Disease Control 2018

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# Alternaria Rotation

- Daconil Ultrex (M5-chlorothalonil)
- Palladium (1 2 and 9 - fludioxonil and cyprodinil),  
Medallion or Emblem (1 2-fludioxonil)
- KleenGrow (nc-quaternary ammonium)
- Compass O, Heritage, Mural, Orkestra, Pageant  
(1 1-strobilurins)
- Terraguard (3-triflumizole), Trigo (3-triadimefon  
and 1 1-trifloxystrobin)
- Chipco 26019 (2-iprodione)

# Anthracnose Rotation

- Palladium (1 2-fludioxonil and 9-cyprodinil)
- Pageant Intrinsic (1 1-pyraclostrobin and 7-boscalid) or Heritage (1 1-azoxystrobin) or Mural (1 1-azoxystrobin and 7-benzovindiflupr)
- Daconil Ultrex (M5-chlorothalonil). Do not use when flowers are present.
- Trigo (3-triadimefon and 1 1-trifloxystrobin)

## Cultural Control Strategies

- Heat and vent at dusk to reduce humidity.
- Space plants to reduce humidity.
- All handling can spread Botrytis spores including irrigation and fungicide spraying.
- Never water at night.
- Do not place crops in hanging baskets with petals that shed easily over crops that are very susceptible to Botrytis.

# Botrytis Rotation

- Decree (17-fenhexamid)
- Daconil Ultrex (M5-chlorothalonil) - not flowers
- Medallion, Emblem (12-fludioxonil) or Palladium (12 and 9-cyprodinil)
- Chipco 26019, 26GT (2-iprodione)
- Pageant Intrinsic (1 1-pyraclostrobin and 7-boscalid) or Orkestra Intrinsic (1 1-pyraclostrobin and 7-fluxapyroxad) or Mural (1 1-azoxystrobin and 7-benzovindiflupyr) - Astun (7-isofetamid)

# Cercospora Rotation

- 3336, Fungo, OH P6672 (1-thiophanate methyl)
- Palladium (12 and 9 – fludioxonil and cyprodinil)
- Compass O, Disarm O, Heritage or Pageant or Orkestra (1 1-strobilurins)
- KleenGrow (nc-quaternary ammonium) PACE 49
- Cease (nc-Bacillus subtilis)
- MilStop (nc-potassium bicarbonate)

# Downy Mildew Rotation

- Compass O, Heritage or Pageant Intrinsic (1 1-stroblurins) OR FenStop (1 1-non-stroblurin)
- Subdue MAXX (4-mefenoxam/tank-mix as directed)
- Adorn (43-fluopicolide/tank-mix as directed)
- Aliette (33-phosphonate) and many others
- Segway O (21-cyazofamid)
- Micora (40-mandipropamid), Stature or Orvego (40-dimethomorph and 45-ametoctradin)
- Segovis (49-oxathiapiprolin)

# Powdery Mildew Rotation

- Compass O, Heritage, Mural or Pageant Intrinsic (1 1-strobilurins)
- Terraguard, Trigo, Banner MAXX, Eagle, Tourney, Trinity, Torque (3-sterol inhibitors)
- Camelot O, Kocide, Phyton 27 (Ml-copper)
- MilStop (nc-K bicarbonate)
- Palladium (1 2-fludioxonil and 9-cyprodinil)

# Bacterial Leaf Spot Rotation

KOJSATION

- **Agri-Mycin** (antibiotic-streptomycin sulfate) (best for *Erwinia*)
- **Copper** (MI-Camelot, Kocide and Phyton 27) (most bacteria)
- **KleenGrow** (nc-quaternary ammonium) (most bacteria)
- **Triathlon BA** (nc-*Bacillus amyloliquifaciens*)
- **Cease** (nc-*Bacillus subtilis*)

# Pythium Rotation

- Subdue MAXX (4-mefenoxam) consider adding KleenGrow to control resistant strains)
- Segway O (21-cyazofamid)
- Terrazole or Truban (14-etridiazole)
- RootShield Plus (nc-Trichoderma harzianum and Trichoderma virens)
- Empress Intrinsic (1 1-pyraclostrobin)

# Rhizoctonia Rotation

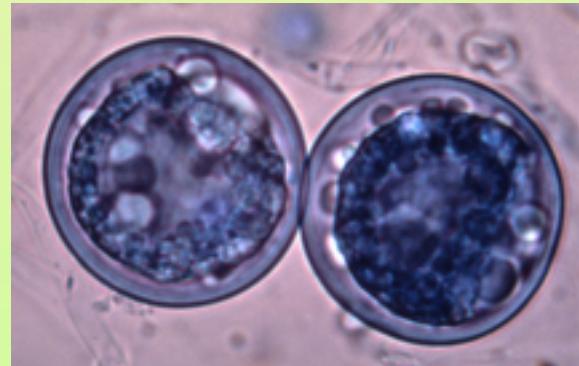
- **Medallion (1 2-fludioxonil) or Palladium (1 2-fludioxonil and 9-cyprodinil)**
- **Heritage, or Mural, Empress Intrinsic or Pageant Intrinsic (1 1 strobilurins)**
- **3336, Fungo, OHP-6672 (1-thiophanate methyl)**
- **Affirm (1 9-polyxin-D)**
- **RootShield or RootShield Plus (44-Trichoderma harzianum and T. virens) preventatively and root rot mainly**

# Black Root Rot Rotation

- **OHP-6672, Fungo, 3336 (1-thiophanate methyl)**
- **Affirm (19-polyoxin D)**  
to a lesser degree
- **Heritage (1 1- azoxystrobin), Orkestra  
Intrinsic (1 1-pyraclostrobin and 7-fluxapyroxad)**
- **Terraguard (3-triflumizole)**
- **Medallion (1 2-fludioxonil)**

# Steaming and Control of Soilborne Pathogens (thirty minutes)

PATHOGEN	NO TRT	113F	122F AND ABOVE
<i>Cylindrocladium scoparium</i>	97%	56%	0
<i>Phytophthora ramorum</i>	85%	7%	0
<i>Pythium irregularе</i>	98%	23%	0
<i>Thielaviopsis basciola</i>	98%	63%	0





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