### DISEASE MANAGEMENT SNAPSHOT 2018

**UMaine Extension (with help from the UMass Cranberry Chart Book)**  
Pest Management Office || 17 Godfrey Dr || Orono, ME 04473

#### DISEASE

**Upright Dieback**
- chlorothalonils;  
  - chemical Group M5

The EU's MRL for chlorothalonil is now at 5 ppm versus 0.01 ppm

**FUNGICIDE**
- Bravo Weather Stik, Chloronil 720,
- Chlorothalonil 720 SC, Equus 720 SST
- Bravo Ultrex, Equus DF
- Echo 720
- Echo 90 DF
- Equus 500 ZN, Initiate ZN

**RATE/A**
- 4 - 6.5 pints
- 4 - 6.5 pints
- 3.8 - 6 lb
- 4 - 7 pints
- 3.25 - 5.75 lb
- 5.75 - 9.25 pints

**NOTES**
- 50-day PHI; Up to 3 uses per season; 12-hr REI; DO NOT add spreader-sticker or mix with Dipel.
- Note: For Echo, apply once (pre-bloom) after terminal bud has broken dormancy and is swollen or growing.

**Coppers**
- chemical Group M1

**FUNGICIDE**
- Champ Formula 2 Flowable
- Champ DP Dry Prill
- Champ WG

**RATE/A**
- 5.3 pt
- 5.3 lb
- 4.2 lb

**NOTES**
- No PHI; Must be applied pre-bloom to combat Dieback; 48-hr REI; Up to 5 uses per season, but only 3 uses for Champ WG

**Fruit Rot**
- Bravo Weather Stik, Chloronil 720,
- Chlorothalonil 720 SC
- Equus 720 SST, Initiate 720
- Echo 720
- Echo 90DF
- Bravo Ultrex, Equus DF
- Equus 500 ZN, Initiate ZN

**RATE/A**
- 4 - 6.5 pints
- 4 - 6.5 pints
- 4 - 6.5 pints
- 4 - 7 pints
- 3.8 - 6.0 lb
- 5.75 - 9.25 lb

**NOTES**
- 50-day PHI; 24-hr REI; Max 5 uses per season.
- Max 4 apps or 48 oz/season; Don't use pre-bloom.
- Use only twice per season; Hold water 14 days.

**Polyoxin-D Zinc Salt products -- chemical Group 19:**
- Oso → 3.75-13 fl oz  
- Ph-D → 6.2 oz

**NOTE:** For Echo, apply once (pre-bloom) after deposition for mancozeb.

**ManKocide**
- 6 lb

**NOTE:** ManKocide 4.5 is highly corrosive to all aluminum irrigation equipment.

**Coppers**
- chemical Group M1

**FUNGICIDE**
- Roper DF Rainshield
- Dithane M-45, Koverall
- Manzate Pro- Stick
- Penncozeb 80WP or 75DF
- Dithane F-45 Rainshield
- Manzate Flowable, Manzate Max
- ManKocide

**RATE/A**
- 3 - 6 lb
- 3 - 6 lb
- 3 - 6 lb
- 3 - 6 lb
- 2.4 - 4.8 qt
- 2.4 - 4.8 qt
- 7 lb

**NOTES**
- Do not combine with any insecticide, as that could make the fungicide phytotoxic to the cranberry vines.

**Kocide 2000 (6 lb) || Kocide 3000 (3.5 lb) || Kocide Formula 2 Flowable 5.33 pints**

**NOTE:** Kocide 4.5 is highly corrosive to all aluminum irrigation equipment.

**Beyond 50% in bloom:**
- Repeat sprays as warranted at 7-10 day intervals; no PHI unless noted on label; 48-hr REI for all of these products except where noted.

**For guidance on Phytophthora Root Rot and Fairy Ring, see pages 13 and 19, respectively, of the latest UMass Cranberry Chart Book.** Neither of these diseases has been found on any Maine commercial cranberry bed since 1996. Fairy Ring is on the rise in Massachusetts.


**Note:** Ridomil, Abound, and Indar are at high risk for resistance development. Avoid using repeatedly (alternate with other fungicides from other chemical groupings when possible).
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