Overview of Onion

Fungicide Roster

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FRAC No. Product

T. A. Zitter, MAY 2012

Systemic fungicides are in Bold. Protectants are listed first in upper left corner. (Seasonal limits given).

Protectants/Mixing Partners/Alternating (Field diseases listed)

- **M5** (chlorothalonil) [Dry or 14G] = Bravo WS (20 pts. Dry & Garlic); (limit 9 pts. Gr., Leek, Shallots); Ultrex, ZN, Chlorothalonil 720, Equus, Echo. Initiate 720 (BLB, Neck rot, Pur Bhl. DM) (see label for rest of limits)
- **M3** (mancozeb) [Dry] = Dithane DF (30 lbs.), Manzate Pro-Stick (30 lbs), Penncozeb 75DF (32 lbs.) (BLB, Neck rot, DM, Pur Bhl, Smut)
- **M3 + M1** (mancozeb + copper hydroxide) [Dry only, = ManKocide] (20 lbs.) (BLB, DM, Pur Bhl, Bac Btl
- **M1** fixed copper [Dry, Gr.] = Badge SC, Badge X2

OMRI Basic Copper Sulfate & S 3, OMRI Champ WG, OMRI & Dry Prill, Cueva OMRI C-O-C-S, Kentan DF, Kocide 101, 2000, 3000, Cuprofix Ultra40 Dispers, Mastecrop, Nordox 75WB OMRI, Nu-Cop 50WP OMRI, 3L, HB, (Bac., Btl., DM, Pur. Bhl.) (see newer labels for limits)
- **M2** sulfur [Dry, Gr.] = Kulumus OMRI, Microthiol Dispers OMRI, Micro Sulf OMRI, Microfine, Sulfur 6L, Thail, (PM, mites)
- **M3** (Bacillus subtilis) [Dry, Gr., OMRI = Serenade MAX, Rhapsody (BLB, Neck rot, Pur Bhl, DM, Rust)
- **M3** (Bacillus pumilus) [Dry, Gr., OMRI = Sonata (DM, Rust)
- **M3** Oxidate [Dry, Gr., OMRI (hydrogen peroxide) (Botrytis, DM)

Additional Specific Chemistry

- **3F Inspire Super** [Dry, 14G] (difenoconazole + cyprodinil) (80 fl oz Dry; 60 fl oz Gr.) (PM, Pur Bhl, Stemph, Botrytis LB, suppression, of black mold)
- **7E Endura** [Dry, 14G] (bosalid) (410x) (BLB, Pur Bhl)
- **9E Scala** [Dry, Gr. (pyrimethanil) (54 fl oz) (BLB, Neck rot, Pur Bhl)
- **2F Rovral 4F** [Dry only (iprodione) (limit applic.) (BLB, Pur Bhl, Neck rot, Stemph)
- **9V Vanguard WG** [Dry, Gr. (cyprodinil + fludioxonil) (limit 56 oz) (BLB, Pur Bhl)
- **3T Tili** [Dry or 0E] (propiconazole) (16 fl oz) (Pur, Bhl, suppression of BLB)
- **3P Propimax** [Dry or 0E] (propiconazole) (16 fl oz) (Suppression BLB, Pur. Bhl.)
- **1T Topsy M 70WDG, 70WP, WHS** [Dry, Gr as IF rot, T-M 4.5E, 85WDG (thiophanate methyl) (limits on label) (Wh rot)
- **7Fonteils** (penthiopyrad) (limit 72 fl oz) (BLB, Neck Rot, Pur. Bhl., Stemph.)

Downy Mildew & DM Plus

- **43P Presidio** [Dry, Gr. TM (fluopicolide) (4 applic./12 fl oz, tank-mixed) (DM)
- **6F Forum** 0 Dry or Gr. (dimethomorph) (30 fl oz) (DM)
- **3A Allelo** [Dry] (fosalyl-Al) (7 applic.) (DM, Pur Bhl)
- **M7 & M3** Catamaran Gr, Ty, Gr. (see label) (BLB, Pur Bhl, DM)
- **3A Agri-Foam** [Dry, Gr.] = Fospate, Fungi-Phite (suppre. bacterial dis), *Kphite* 7LP, Phostrol, Rampart (Bac.), 8 Rest 7 (phosphorous acid) (all for DM)
- **3P ProPhy** [Dry, Gr.] (DM, Pur Bhl)
- **M4 Prev-Ag** [Dry, Gr. (borax) (DM)
- **4R Revus** [Dry, Gr. (mandipropamid) (32 fl oz Dry; 24 fl oz Gr) (DM)
- **4M Ridomil Gold** [Dry or 14G] (mefenoxam + chlorothalonil) (limits on label) (DM, BLB, Pur Bhl)
- **4M Ridomil Gold** [Dry or 0G] (DM)
- **4M Ridomil Gold MZ** [Dry only, also Garlic (DM)

Additional Oomycetes (Pythium)

- **Ridomil Gold** [5/12G incorporate (mefenoxam) (Pythium)

OMRI Listed Products (all M = multi-site activity)

- **M3** Basic Copper 53°, Badger X, Champ WG, Caraxa, Nordox 75WB, Nu-Cop 50WP (see label for specific diseases or see above listings) (coppers)
- **M3** T-22 HC° (Trichoderma) (Soilborne pathogens)
- **M3** Contain° (Coniosporium) (White mold)
- **M3** Kallergen° (PM only) (K bicarbonate)
- **M3** Miltion° (not specifically labeled on onion (PM, DM)
- **M3** Regalia EC° (Reynoutria), (see label)
- **M3** Oxidate° (Hydrogen peroxide)
- **M3** Rhapsody° (Bacillus subtilis)
- **M3** Serenade MAX° (Bacillus subtilis)
- **M3** Sonata° (Bacillus pumilus)

* Kummel® Micro Sulf®, Microfluidin® Supp. (Soilife) (PM)

* Limited to commercial applicator; † not for use on Long Island; TM = Tank Mix required. Every effort has been made to provide correct, complete, and up-to-date information at the time of this presentation/publication. Trade names used are for convenience only. No endorsement of products intended, nor is criticism of unsanized products implied. These recommendations are not a substitute for pesticide labeling. Always read the product label before applying any pesticide.