

2 CAUTIONS

CAUTIONS

| <u>Fungicides</u> | <u>Maximum allowable formulation</u> | <u>Pre-harvest interval (PHI) (days)</u> | <u>Restricted entry interval</u> | <u>Maximum number of applications</u> |
|---|--------------------------------------|--|----------------------------------|---------------------------------------|
| <u>Product</u> | | | | |
| <u>CHLOROTHALONILS (*Restricted Use)</u> | | | | |
| Bravo Ultrex, Equus DF | 18 lb | 50 days | 12 hrs | 3 |
| Bravo Weather Stik | 20 pt | 50 days | 12 hrs | 3 |
| Chloronil 720, Chlorothalonil 720 SC | 20 pt | 50 days | 12 hrs | 3 |
| Echo 90DF | 17.25 lb | 50 days | 12 hrs | 3 |
| Echo 720 | 20 pt | 50 days | 12 hrs | 3 |
| Equus 500 ZN, Initiate ZN, Echo Zn | 29 pt | 50 days | 12 hrs | 3 |
| Equus 720 SST, Initiate 720 | 20 pt | 50 days | 12 hrs | 3 |
| <u>COPPERS (copper hydroxide)</u> | | | | |
| Badge X2 | 10.5 lb | No PHI | 48 hrs | 3 |
| Badge SC | 21 pt | No PHI | 48 hrs | 3 |
| Champ DP Dry Prill | 28 lb | No PHI | 48 hrs | 5 |
| Champ Formula 2 Flowable | 26.6 pt | No PHI | 48 hrs | 5 |
| Champ WG | 12.6 lb | No PHI | 48 hrs | 3 |
| Copper-Count-N | 24 qt | No PHI | 48 hrs | 3 |
| Cuprofix Ultra 40 Dispers | 15 lb | No PHI | 48 hrs | 3 |
| Kentan DF | 15.75 lb | No PHI | 48 hrs | 3 |
| Kocide 2000 | 30 lb | No PHI | 48 hrs | 5 |
| Kocide 3000 | 17.5 lb | No PHI | 48 hrs | 5 |
| MasterCop | 9 pt | No PHI | 48 hrs | 3 |
| Nordox | 24 lb | No PHI | 24 hrs | 3 |
| Nordox 75 WG | 15 lb | No PHI | 12 hrs | 3 |
| Nu-Cop HB, Nu-Cop 50 DF | 12.6 lb | No PHI | 48 hrs | 3 |
| Nu-Cop 3L | 17 pt | No PHI | 48 hrs | 3 |
| Top Cop with Sulfur | 6 qt | No PHI | 24 hrs | 3 |
| <u>MANCOZEBS (EBDC'S)</u> | | | | |
| Dithane F-45 Rainshield | 14.4 qt | 30 days | 24 hrs | 3 |
| Dithane M-45, Koverall | 18 lb | 30 days | 24 hrs | 3 |
| Ferbam Granuflo (ferbam) | 30 lb | 50 days | 24 hrs | 5 |
| ManKocide | 21 lb | 30 days | 48 hrs | 3 |
| Manzate Flowable, Manzate Max | 14.4 qt | 30 days | 24 hrs | 3 |
| Manzate Pro-Stick | 18 lb | 30 days | 24 hrs | 3 |
| Penncozeb 75DF or 80WP | 18 lb | 30 days | 24 hrs | 3 |
| Roper DF Rainshield | 18 lb | 30 days | 24 hrs | 3 |
| <u>NEWER PRODUCTS</u> | | | | |
| Abound (azoxystrobin) | 92.3 fl oz | 3 days | 4 hrs | 6 |
| Indar 2F (fenbuconazole) | 48 fl oz | 30 days | 12 hrs | 4 |
| Oso (polyoxin D zinc salt) | 78 fl oz | No PHI | 4 hrs | 6 |
| Ph-D (polyoxin D zinc salt) | 18.6 oz | No PHI | 4 hrs | 3 |
| Proline (prothioconazole) | 10 fl oz | 45 days | 12 hrs | 2 |
| <u>PHYTHOPHTHORA FUNGICIDES</u> | | | | |
| Aliette WDG (fosetyl-al) | 20 lb | 3 days | 12 hrs | 4 |
| Fosphite, Fungi-phite (phosphites) | na | No PHI | 4 hrs | na |
| K-Phite, Rampart (phosphites) | na | No PHI | 4 hrs | na |
| Metastar 2EC (metalaxyl) | 21 pt | 45 days | 48 hrs | 3 |
| Phostrol (phosphites) | 24 pt | 3 days | 4 hrs | 4 |
| ProPhyt (phosphites) | 12 pt | No PHI | 4 hrs | 3 |
| Ridomil Gold GR (mefenoxam) | 105 lb | 45 days | 48 hrs | 3 |
| Ridomil Gold SL (mefenoxam) | 5.25 pt | 45 days | 48 hrs | 3 |
| Ultra Flourish (mefenoxam) | 10.5 pt | 45 days | 48 hrs | 3 |

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| <u>Insecticides</u> | Maximum actual toxicant/A | Pre-harvest interval (PHI) | Restricted entry interval (REI) | Maximum number of applications |
|-------------------------------|----------------------------------|-----------------------------------|--|---------------------------------------|
| Actara (thiamethoxam)** | 0.188 lbs | 30 days | 12 hrs | (12 oz/A)*** |
| Admire, Alias (imidacloprid) | 0.5 lbs | 30 days | 12 hrs | (0.5 lb ai/A)*** |
| Altacor (chlorantraniliprole) | 0.2 lbs | 1 day | 4 hrs | 3 (9 oz/A) |
| Assail (acetamiprid) | 0.26 lbs | 1 day | 12 hrs | 2 |
| Avaunt (indoxacarb) | 0.44 lbs | 30 days | 12 hrs | (24 oz/A)*** |
| Belay (clothianidin) | 0.2 lbs | 21 days | 12 hrs | (12 fl oz/A)*** |
| <i>B.t.</i> based products | NA | No PHI | 4 hrs | - |
| Confirm (tebufenozide) | 1 lb | 30 days | 4 hrs | 4 |
| Delegate (spinetoram) | 0.305 lbs | 21 days | 4 hrs | 6 |
| Diazinon* | 12 lb | 7 days | 5 days | 3 |
| Entrust (spinosad) | 0.45 lbs | 21 days | 4 hrs | 6 |
| Imidan (phosmet) | 15.6 lbs | 14 days | 24 hrs/3 days | (15.6 lb/A)*** |
| Intrepid (methoxyfenozide)** | 1 lb | 14 days | 4 hrs | (64 fl oz/A)*** |
| Lorsban (chlorpyrifos)* | 1.5 lbs | 60 days | 24 hrs | 2 |
| Nematodes | - | No PHI | 0 hrs | - |
| Nexter (pyridaben) | 1 lb | 21 days | 12 hrs | 2 |
| Oberon (spiromefesin) | 0.75 lb | 3 days | 12 hrs | 3 |
| Orthene (acephate) | 1 lb | 90/75 days | 24 hrs | 1 |
| Pyganic (pyrethrins) | 0.05 lbs | No PHI | 12 hrs | - |
| Sevin (carbaryl) | 4 lb | 7 days | 12 hrs | 5 |

* = restricted use pesticide, requires a pesticide license to buy and apply.

** = Zone II restricted and restricted use, requires a pesticide license to buy and apply.

*** = No specific application limitations except the total amount applied per acre.

| <u>Herbicides</u> | Maximum allowable formulation | Pre-harvest interval (PHI) (days) | Restricted entry interval (REI) | Maximum number of applications |
|----------------------------------|--------------------------------------|--|--|---------------------------------------|
| Callisto (mesotrione) | 16 fl oz | 45 days | 12 hrs | 2 |
| Casoron 4G (dichlobenil) | 100 lb | N/A | 12 hrs | N/A |
| Devrinol DF-XT (napropamide) | 18 lb | N/A | 24 hrs | 1 |
| Devrinol 2XT (napropamide) | 18 qt | N/A | 24 hrs | 1 |
| Evital 5G (norflurazon) | 160 lb | N/A | 12 hrs | 1 |
| Fusilade (fluzafop) | N/A | 1 year | 12 hrs | N/A |
| Poast (sethoxydim) | 5 pt | 60 days | 12 hrs | N/A |
| QuinStar 4L (quinclorac) | 16.8 fl oz | 60 days | 12 hrs | 2 |
| Reglone (diquat dibromide) | N/A | 1 year | when dry | N/A |
| Roundup, Rodeo (glyphosate) | N/A | 30 days | 12 hrs | N/A |
| Roundup Weather Max (glyphosate) | N/A | 30 days | 4 hrs | N/A |
| Select Max (clethodim) | 64 fl oz | 30 days | 24 hrs | N/A |
| Stinger (clopyralid) | 16 fl oz | 50 days | 12 hrs | 2 |
| Weedar 64* | N/A | 30 days | 48 hrs | 1 |
| 2,4-D granular* | N/A | N/A | 12 hrs | N/A |

Recommended water-holding times: (Check the label on the product you are using to verify information.)

At least 1 day: Avaunt

At least 3 days: Chlorothalonil products (e.g., Bravo), Nexter, and Diazinon.

At least 5 days: Chlorpyrifos (e.g., Lorsban) products and Actara.

At least 14 days: Abound fungicide.

Time Needed for Certain Pesticides to be Rainfast

| | | | | | | | |
|------------|------|-------------|------|--------------------|--------|-----------------|------|
| Roundup | 6 hr | Callisto | 4 hr | Confirm, Intrepid | 6 hr | Poast | 1 hr |
| Select Max | 1 hr | QuinStar 4L | 6 hr | Roundup WeatherMax | 1-2 hr | Stinger, Nexter | 5 hr |