### Commonly Used Organic Pesticides-- Worker Protection Standard (WPS) Information

**Disclaimer:** Please read the pesticide label prior to use. The information contained here is not a substitute for a pesticide label.

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<th>Product name (active ingredient)</th>
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<td><strong>FUNGICIDES AND BACTERICIDES</strong></td>
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| Actinovate AG (**Streptomyces lydicus**) | Caution | 1          | Long Sleeved Shirt (LSS), pants, shoes plus socks. Mixers/loaders and applicators must wear a dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| Agri-mycin 17 (**Streptomycin sulfate**) | Caution | 12         | LSS, pants, shoes plus socks, chemical-resistant gloves made of any waterproof material, shoes plus socks.  
Dust masks and goggles provide the best protection for harvesters especially when plants are shaken during harvest.  
Workers entering the treated area with copper hydroxide.  
Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| **Basic Copper 53** (copper sulfate) | Warning | 24         | LSS, pants, chemical resistant gloves made of any waterproof material such as polyethylene or polyvinylchloride, shoes plus socks, protective eyewear, chemical resistant headgear for overhead exposure, dust/mist filtering respirator (MSAH/NIOSH approval # prefix TC-21).|
| **Champ WG** (copper hydroxide) | Danger | 24         | LSS, pants, chemical resistant gloves made from any waterproof material, shoes plus socks, and protective eyewear. |
| **MycoStop** (**Streptomyces griseoviridis**) | Caution | 4          | LSS, pants, waterproof gloves, shoes plus socks, Dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| Nu-COP 50DF (copper hydroxide) | Danger | 24         | LSS, pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, protective eyewear. |
| **Oxidate** (hydrogen dioxide) | Danger | 1          | When handling concentrate, wear protective protective eyewear (goggles or face shield) and rubber gloves. Applicators and handlers must wear coverall over LSS, pants, and chemical resistant footwear plus socks. |
| **Serenade ASO** (**Bacillus subtilis**) | Caution | 4          | LSS, pants, waterproof gloves, shoes plus socks. Mixers/loaders and applicators must wear a dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| **Serenade MAX** (**Bacillus subtilis**) | Caution | 4          | LSS, pants, waterproof gloves, shoes plus socks. Mixers/loaders and applicators must wear a dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| **StorOx** (hydrogen dioxide) | Danger | 1          | When handling concentrate, wear protective protective eyewear (goggles or face shield) and rubber gloves. Applicators and handlers must wear coverall over LSS, pants, and chemical resistant footwear plus socks. |
| **INSECTICIDES AND MITICIDES** |             |           |                                             |
| Aza-Direct (azadiractin) | Caution | 4          | LSS, pants, chemical resistant gloves, shoes plus socks.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| Dipel Pro DF (**Bacillus thuringiensis**) | Caution | 4          | LSS, pants, waterproof gloves, shoes plus socks.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| Entrust Naturalyte (spinosad) | Caution | 4          | LSS, pants, shoes plus socks. Chemical resistant gloves, mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| Javelin WG (**Bacillus thuringiensis**) | Caution | 4          | LSS, pants, waterproof gloves, shoes plus socks. Mixers/loaders and applicators must wear a dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| **M-Pede** (pottasium salts of fatty acids) | Warning | 12         | Protective eyewear, chemical resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container. |
| **Mycotrol O** (**Beauveria bassiana**) | Caution | 4          | LSS, pants, shoes plus socks, and dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Naturalis L (**Beauveria bassiana**) | Caution | 4          | LSS, pants, shoes plus socks. Chemical resistant gloves, mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Neemix 4.5 (azadiractin) | Warning | 12         | LSS, pants, chemical resistant gloves, such as barrier laminate or butyl, nitrile or neoprene rubber, PVC or viton, shoes plus socks, protective eyewear.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Plant Shield HC (**trichoderma**) | Caution | 0          | Long sleeved shirt, long pants, socks and shoes. When dumping or opening bags, or other operations where dusts may be created, wear a dust/mist filtering respirator.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Pyganic EC 1.4 II (pyrethrins) | Caution | 12         | LSS, pants, chemical resistant gloves, shoes plus socks.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Pyganic EC 5.0 II (pyrethrins) | Warning | 12         | Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton; Chemical-resistant footwear plus socks; and chemical-resistant headgear for overhead exposure. Chemical-resistant apron when cleaning equipment, mixing, or loading.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Surround WP (kaolin) | Caution | 4          | LSS, long pants, socks and shoes, and MSHA/NIOSH approved dust/mist-filtering respirator.  
Nuisance dust masks and goggles provide the best protection for harvesters especially when plants are shaken during harvest.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |
| Trilogy (azadiractin) | Caution | 4          | LSS, pants, chemical-resistant gloves, such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or PVC or viton, shoes plus socks.  
Workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflash container. |

1. For foliar application. If the product is soil incorporated, the REI is zero (0) as long as workers do not contact anything that has been treated.  
2. With approval number prefix N-95, R-95, P-95 or HE filter.  
3. The following equipment and precautions must be followed for 7 days after the application of the product. An eye flush container, designed specifically for flushing eyes must be available at the WPS decontamination site for workers entering the treated area with copper hydroxide. Workers must also be notified of the application by warning them orally that treated areas may be highly irritating to their eyes and to take precautions such as refraining from rubbing their eyes if they get residues in their eyes they should immediately flush their eyes using the eyeflush container.  
4. REI of 1 hr. when product is applied via fogging or spraying to growing plants, surfaces, equipment, structures, and non-porous surfaces in enclosed environments such as greenhouses and glasshouses. REI of zero (0) hours for pre-plant dip, soil drench, mop, sponge, dip, soak, rinse or other non-spraying or fogging application methods when used in enclosed environments such as greenhouses and glasshouses.