

2006

## 2006 Chart Book: Cautions

University of Massachusetts Amherst Cranberry Station

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## Cautions

### CAUTIONS

<b><u>Herbicides</u></b>	<b>Maximum allowable formulation</b>	<b>Pre-harvest interval (PHI) (days)</b>	<b>Restricted entry interval</b>	<b>Maximum number of applications</b>
<b>Product</b>				
Casoron (dichlobenil)	100 lb	N/A	12 hrs	N/A
Devrinol (napropamide)	150 lb	N/A	12 hrs	1
Evital (norflurazon)	160 lb	N/A	12 hrs	1
Fusilade (fluazifop)	N/A	1 year	12 hrs	N/A
Poast (sethoxydim)	5 pt	60 days	12 hrs	N/A
Princep (simazine)	4 qt	N/A	12 hrs	1
Prism (clethodim)	68 oz	1 year	24 hrs	N/A
Roundup, Rodeo (glyphosate)	N/A	30 days	12 hrs	N/A
Roundup Weather Max	N/A	30 days	4 hrs	N/A
Select (clethodim)	32 oz	30 days	24 hr	N/A
2,4-D granular	N/A	N/A	12 hr	N/A
Weedar 64	N/A	30 days	48 hr	1
Stinger	16 oz	50 days	12 hr	2

<b><u>Fungicides</u></b>	<b>Maximum allowable formulation</b>	<b>Pre-harvest interval (PHI) (days)</b>	<b>Restricted entry interval</b>	<b>Maximum number of applications</b>
<b>Product</b>				
<b>Chlorothalonils (Restricted Use)</b>				
Bravo Weather Stik	19.5 pt	50 days	12 hrs	3
Echo 720	21 pt	50 days	12 hrs	3
Equus 720	20 pt	50 days	12 hrs	3
Chlorothalonil 720	20 pt	50 days	12 hrs	3
Bravo Ultrex	18 lb	50 days	12 hrs	3
Echo 90DF	17.25 lb	50 days	12 hrs	3
Equus DF	18 lb	50 days	12 hrs	3
<b>Coppers</b>				
Champ Formula 2	26.6 pt	No PHI	24 hrs	5
Kocide 4.5 LF	16 pt	No PHI	24 hrs	3
3 lb Copper Flowable, Nu-Cop 3L	32 pt	No PHI	24 hrs	3
Copper-Count-N	24 qt	No PHI	12 hrs	3
Top Cop with Sulfur	6 qt	No PHI	24 hrs	3
Champion WP	40 lb	30 days	24 hrs	5
Champ Formula Dry Prill	28 lb	No PHI	24 hrs	5
Cuprofix MZ Disperss	47.3 lb	30 days	24 hrs	3
Kocide DF, Kocide 101, Nu-Cop 50DF	24 lb	No PHI	24 hrs	3
Kocide 2000	18 lb	No PHI	24 hrs	3
<b>Mancozeb, Manebs</b>				
Manzate Flowable, Manex,	14.4 qt	30 days	24 hrs	3
Dithane F-45 Rainshield	14.4 qt	30 days	24 hrs	3
Dithane M-45, Dithane DF RainShield	18 lb	30 days	24 hrs	3
Penncozeb 80WP	18 lb	30 days	24 hrs	3
Maneb 80 WP	18 lb	30 days	24 hrs	3
Maneb 75 DF, Penncozeb 75DF	18 lb	30 days	24 hrs	3
Manzate 75DF	18 lb	30 days	24 hrs	3
ManKocide	96 lb	30 days	24 hrs	3
<b>Other Products</b>				
About F	92.4 oz	3 days	4 hrs	6
Aliette WDG	20 lb	3 days	12 hrs	4
Ferbam Granuflo	30 lb	50 days	24 hrs	5
Ridomil Gold EC	5.25 pt	45 days	48 hrs	3
Ridomil Gold GR	105 lb	45 days	48 hrs	3
Phostrol	24 pt	3 days	4 hrs	4

## Cautions

<u>Insecticides</u>	<u>Maximum actual toxicant/A</u>	<u>Pre-harvest interval (PHI)</u>	<u>Restricted entry interval (REI)</u>	<u>Maximum number of applications</u>
Acephate	1 lb	90 days	24 hrs	1
Actara (Thiamethoxam)*	0.125 lb	30 day	12 hrs	- (8 oz.)
Admire (Imidacloprid)	0.5 lb	30 day	12 hrs	2
<i>B.t.</i> based products	NA	No PHI	4 hrs	-
Confirm (Tebufenozide)	1 lb	30 days	4 hrs	4
Cryolite bait	NA	30 days	12 hrs	2
Diazinon *	12 lb	7 days	24 hrs	4 or 6
Entrust (Spinosad)	0.45 lb	21 days	4 hrs	6
Guthion (Azinphos Methyl) *	1 lb	21 days	7 days	2
Imidan (Phosmet)	15.6 lbs	14 days	24 hrs	-
Intrepid (Methoxyfenozide)*	1 lb	14 days	4 hrs	4
Lorsban (Chlorpyrifos)*	1 1/2 lbs	60 days	24 hrs	2
Nematodes	NA	No PHI	0 hrs	-
Nexter	1 lb	21 days	12 hrs	2
Orthene (Acephate)	1 lb	90 days	24 hrs	1
Pyrenone or Pyronyl	60% PBO + 6% Pyrethrins	No PHI	12 hrs	-
Sevin (Carbaryl)	4 lb	7 days	12 hrs	5
SpinTor (Spinosad)	0.55 lb	3 days	4 hrs	6
Sprayable Pheromones	24/25 oz	No PHI	4 hrs	read label
Trilogy (Neem Oil)	NA	No PHI	4 hrs	read label

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

### OTHER CAUTIONS

1. Pesticide-treated bogs may need to be posted. Check labels. Workers and scouts should be notified prior to treatments, and informed about re-entry times.
2. **READ AND FOLLOW LABEL INSTRUCTIONS.** Do not use a pesticide for control of a pest not on the label unless a specific recommendation is made by a person authorized to do so.
3. Make all pesticide applications in a manner to prevent contamination of streams, ponds, and public ways, and impound water as long as possible after applying.
4. Be aware of and adhere to guidelines regarding distances from site of chemical application to protected areas. Consider addition of drift retardants.
5. Avoid insecticide applications during bloom if possible to prevent killing bees. Advise beekeeper before spraying.
6. Stored pesticides may deteriorate. Avoid freezing of liquid formulations. It is usually not advisable to use the holdover materials in opened containers. Follow regulations of the Pesticide Bureau when disposing of pesticides and their containers.
7. CONCENTRATE SPRAYS may injure new growth, bloom and small berries particularly in hot, humid weather or if the emulsifiable concentrate (EC) content nears 50% of mixture.

### Time Needed for Certain Pesticides to be Rainfast

Confirm	6 hr	Select	1 hr
Poast	1 hr	SpinTor	5 hr
Roundup	6 hr	Roundup Ultra	1-2 hr

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

At least 3 days: Chlorothalonil products, and Diazinon.

At least 5 days: Azinphos-methyl (e.g., Guthion) products and chlorpyrifos (e.g., Lorsban) products.