














CAUTIONS (YEAR 2017)






Herbicides

<u>Product</u>	<u>Maximum allowable formulation</u>	<u>Pre-harvest interval (PHI)</u>	<u>Restricted Entry Interval (REI)</u>	<u>Maximum number of applications per season</u>
Callisto (mesotrione)	16 fl oz	45 days	12 hrs	2 (14+ days apart)
Casoron 4G (dichlobenil)	100 lb	NA	12 hrs	NA
 Devrinol DF-XT (napropamide)	18 lb	NA	24 hrs	1
 Devrinol 2XT (napropamide)	18 qt	NA	24 hrs	1
Evital 5G (norflurazon)	160 lb	NA	12 hrs	1
  Fusilade (fluazifop)	N/A	1 year	12 hrs	NA
 Poast (sethoxydim)	5 pints	60 days	12 hrs	NA
Reglone (diquat dibromide)	N/A	1 year	when dry	NA
  Roundup, Rodeo (glyphosate)	N/A	30 days	12 hrs	NA
  Roundup Weather MAX	N/A	30 days	4 hrs	NA
  Select Max (clethodim)	64 fl oz	30 days	24 hrs	NA
2,4-D granular*	N/A	NA	12 hrs	NA
  Simazine 4L (simazine)	2 quarts	NA	12 hrs	1
















Fungicides

<u>Product</u>	<u>Maximum formulation</u>	<u>PHI</u>	<u>REI</u>	<u>Max # apps per season</u>
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Chlorothalonils (Restricted Use)

 Bravo Weather Stik Chlorothalonil 720 SC Echo 720	20 pints	50 days	12 hrs	3
 Equus 720 SST Chloronil 720 Initiate 720	20 pints	50 days	12 hrs	3
 Bravo Ultrex Equus DF	18 lb	50 days	12 hrs	3
 Echo 90DF	17.25 lb	50 days	12 hrs	3
 Equus 500 ZN, Initiate ZN, Echo Zn	29 pints	50 days	12 hrs	3





















Coppers

 Badge X2 Badge SC	Badge X2: 10.5 lb Badge SC: 21 pints	No PHI	48 hrs	3
 Champ Formula 2 Flowable	26.6 pints	No PHI	48 hrs	5
 Nu-Cop 3L	17 pints	No PHI	48 hrs	3
 Nu-Cop HB Nu-Cop 50 DF	12.6 lb	No PHI	48 hrs	3
 Top Cop with Sulfur	6 qt	No PHI	24 hrs	3
 MasterCop	9 pints	No PHI	48 hrs	3
 Champ WG	12.6 lb	No PHI	48 hrs	3
 Champ DP Dry Prill	28 lb	No PHI	48 hrs	5
 Cuprofix Ultra 40 Dispers	15 lb	No PHI	48 hrs	3
 Nordox	24 lb	No PHI	24 hrs	3
 Nordox 75 WG	15 lb	No PHI	12 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
 Copper-Count-N	24 qt	No PHI	48 hrs	3

Mancozeb

 Manzate Flowable, Manzate Max, Dithane F-45 RainShield	14.4 qt	30 days	24 hrs	3
 Dithane M-45, Roper DF RainShield, Koverall	18 lb	30 days	24 hrs	3
 Penncozeb 75DF or 80WP, Manzate Pro-Stick	18 lb	30 days	24 hrs	3
 ManKocide	21 lb	30 days	48 hrs	3
 Ferbam Granuflo (ferbam)	30 lb	50 days	24 hrs	5

Other Products

  Fosphite, Fungi-phite, K-Phite, Rampart (phosphites)	na	No PHI	4 hrs	na
  Phostrol (phosphites)	24 pints	3 days	4 hrs	4
  ProPhyt (phosphites) (<i>for Phytophthora root rot</i>)	12 pt	No PHI	4 hrs	3
  Metastar 2EC (metalaxyl)	21 pints	45 days	48 hrs	3
  Ridomil Gold SL (mefenoxam)	5.25 pints	45 days	48 hrs	3
  Ridomil Gold GR (mefenoxam)	105 lb	45 days	48 hrs	3
  Ultra Flourish (mefenoxam)	10.5 pints	45 days	48 hrs	3
 Abound (azoxystrobin)	92.3 fl oz	3 days	4 hrs	6
 Aliette WDG (fosetyl-al)	20 lb	3 days	12 hrs	4
 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

Insecticides

		Max actual toxicant/A	PHI (days)	REI	Max # of applications per season
	Actara* (thiamethoxam)	0.188 lb	30 days	12 hrs	(12 oz/A total for season)
	Admire (imidacloprid)	0.5 lb	30 days	12 hrs	(0.5 lb ai/acre)
	Assail (acetamiprid)	0.26 lb	1 day	12 hrs	2
	Scorpion (denotefuran)	14 fl oz	7 days	12 hrs	2 (2 to 4 fl oz/acre)
	Venom (denotefuran)	8 fl oz	7 days	12 hrs	2 (3.5 to 7 fl oz/acre)
	Altacor (chlorantraniliprole)	0.2 lb	1 day	4 hrs	3 (9 oz/A total for season)
	Avaunt (indoxacarb)	0.44 lb	30 days	12 hrs	(24 oz/A total for season)
	Belay (clothianidin)	0.2 lb	21 days	12 hrs	(12 fl oz/A total for season)
	B.t. products	N/A	No PHI	4 hrs	-
	Confirm (tebufenozide)	1 lb	30 days	4 hrs	4
	Delegate (spinetoram)	0.305 lb	21 days	4 hrs	6
	Diazinon*	12 lbs	7 days	5 days	3
	Entrust (spinosad)	0.45 lb	21 days	4 hrs	6
	Grandevo (Chromobacterium subtsugae)	3 lbs	0 days	4 hrs	-
	Imidan (phosmet)	15.6 lbs	14 days	24 hrs / 3 days	(15.6 lb/A total for season)
see note	Intrepid* (methoxyfenozide)	1 lb	14 days	4 hrs	(64 fl oz/A total for season)
	Lorsban* (chlorpyrifos)	1½ lbs	60 days	24 hrs	2 Note: Lorsban 75 WG formulation is not restricted use.
	Nematodes (<i>parasitic worms</i>)	N/A	No PHI	0 hrs	-
	Nexter (pyridaben) [<i>for mites</i>]	1 lb	21 days	12 hrs	2
	Orthene (acephate)	1 lb	90 or 75 days	24 hrs	1
	Oberon (spiromefesin) [<i>for mites</i>]	0.75 lb	3 days	12 hrs	3
	Pyganic (pyrethrins)	0.05 lbs	No PHI	12 hrs	-
see note	Rimon EC (novaluron)	36 fl oz	1 day	12 hrs	3 Note: Rimon, Intrepid and Grandevo are toxic to aquatic invertebrates.
	Sevin (carbaryl)	4 lb	7 days	12 hrs	5
	Closer (sulfoxaflur)	0.266 lb	1 day	12 hrs	4

Extremely toxic to fish

Moderately toxic to fish

Extremely toxic to bees

Moderately toxic to bees

Extremely toxic to birds

Moderately toxic to birds

Extremely toxic to people

Moderately toxic to people

NOTE: Rimon® and Intrepid® are “moderately toxic” to aquatic invertebrates, such as lobsters, crayfish, and aquatic insects such as mayflies, dragonflies, etc. The toxicity of Scorpion® to aquatic invertebrates varies from practically nontoxic, all the way to highly toxic, depending on the species in question.

*** = Restricted Use (requires a pesticide license to purchase or apply)**

OTHER CAUTIONS:

- ◆ Pesticide-treated beds may need to be posted. Check labels. Workers and scouts should be notified prior to treatments & informed about re-entry times.
- ◆ **READ & FOLLOW LABEL INSTRUCTIONS.** Do not use a pesticide for control of a pest not listed on the label unless a specific recommendation is made by a person authorized to do so.
- ◆ Make all pesticide applications in a manner that prevents contamination of streams, ponds, and public ways, and impound water as long as possible after applications.
- ◆ Be aware of, and adhere to, guidelines regarding distances from the site of the chemical application to any protected areas. Consider the addition of drift retardants.
- ◆ Avoid insecticide applications during bloom to prevent bee killings. When it is unavoidable, make sprinkler applications at night and run sprinklers early the following morning to delay foraging and pollinating activity.
- ◆ Stored pesticides may deteriorate. Avoid freezing of liquid formulations. It is usually not advisable to use the held-over materials in opened containers. Follow regulations of the Board of Pesticides Control when disposing of pesticides⁵ and their containers.
- ◆ **CONCENTRATE SPRAYS** may injure new growth, bloom, and small berries, particularly in hot and humid weather or if the emulsifiable concentrate (EC) content nears 50% of the mixture.

**Time Needed for Certain
Pesticides to be Rainfast:**

Confirm & Intrepid:	6 hrs
SpinTor, Delegate, Rimon,	5 hrs
Nexter	5 hrs
Poast:	1 hour
Roundup:	6 hrs
Roundup WeatherMax:	1 to 2 hrs
Select Max:	1 hour
Callisto:	4 hrs

Recommended water-holding times:

(Check the label on the product you are using to verify info.)

<u>At least 1 day:</u>	Avaunt®
<u>At least 3 days:</u>	Chlorothalonil products (e.g. Bravo®), & insecticides Nexter® & Diazinon®
<u>At least 5 days:</u>	Chlorpyrifos (e.g., Lorsban®) products and Actara®
<u>At least 14 days:</u>	Abound® fungicide.

WARNING!!

PESTICIDES ARE POISONOUS. READ AND FOLLOW ALL DIRECTIONS AND SAFETY PRECAUTIONS ON LABELS. HANDLE CAREFULLY AND KEEP ORIGINAL LABELED CONTAINERS IN LOCKED STORAGE AREA. DO NOT CONTAMINATE FORAGE, STREAMS OR PONDS. DISPOSE OF EMPTY CONTAINERS IN A LEGAL MANNER.

Repeated exposure to organophosphate insecticides (such as Diazinon, Imidan, and Lorsban) may, without symptoms, increase susceptibility to phosphate poisoning. Any pesticide-treated bed must not be entered until the restricted entry interval (REI) has elapsed (see the pesticide label). Workers should be notified prior to treatment. Tell family and co-workers. Make certain your doctor understands. After an accident, there may not be time.

IF SYMPTOMS OF ACUTE POISONING OCCUR, IMMEDIATELY TAKE VICTIM AND THE APPROPRIATE PESTICIDE LABEL OR CONTAINER TO THE NEAREST HOSPITAL EMERGENCY ROOM. FOR INFORMATION AND ADVICE AT ANY TIME, DAY OR NIGHT, CALL THE MAINE POISON CONTROL SYSTEM AT:

1-800-222-1222

REMINDER FOR RESPONSIBLE APPLICATORS

Remember that Lorsban, Sevin, Vapam, Abound, and products containing chlorothalonil are extremely toxic to fish and can cause fish kills. Diazinon is highly toxic to both fish *and* birds. Also, keep in mind that Rimon and Intrepid are molting disruptors and are therefore labeled as ‘*moderately toxic to toxic*’—to aquatic invertebrates (freshwater and marine).

For full pesticide labels and SDSs visit <http://www.cdms.net/Label-Database>

To avoid contamination, do not clean equipment or dispose of wastes near open water. Drift, runoff or release of contaminated ditch water from treated areas may be hazardous to fish or other aquatic organisms in adjacent aquatic sites.

Following any pesticide application, hold water for as long as possible.

Granular insecticide formulations may cause bird kills, especially waterfowl that feed or drink on treated sites. Do not leave granules on bare ground where they could be eaten. Be sure granules fall into vines and are watered in by sprinkler irrigation. Drain away any puddles left behind, if possible.

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