



2008 Wisconsin Cranberry Pesticide Chart

THIS CHART IS NOT A SUBSTITUTE FOR READING AND FOLLOWING THE LABEL AND IS FOR PRODUCING BEDS ONLY. It is the applicator's responsibility to read the full label and confirm the information found in this chart. Alternative trade names and registrants exist for many of the active ingredients listed below. This is not an exhaustive list of registered cranberry pesticides. Section 18 and other temporary registrations are excluded from this list. No product endorsement is implied by the Cranberry Institute. Recipients and users of this chart agree to absolve the Cranberry Institute from any responsibility for personal injury, crop damage or property damage.

 Extremely toxic to fish

 Extremely toxic to bees

 Extremely toxic to birds

 Extremely toxic to people





































 Moderately toxic to fish

 Moderately toxic to bees



















 Moderately toxic to birds

 Moderately toxic to people



* Denotes EPA Restricted Use Pesticide; † Denotes EPA Reduced Risk/Organophosphate Alternative Pesticide

Toxicity	Code	Insecticide	Rate per acre	PHI	REI	MAX	Notes
	100	Nematodes	See label	0	-----	-----	Apply in late evening. Consult label with an extension specialist or crop consultant regarding use of nematodes. Irrigate thoroughly to wash nematodes into the soil.
	110	M-pede Insecticidal Soap	1-2% solution	0	12 hrs	-----	No chemigation. Consult label to avoid phytotoxicity. 7-day minimum application interval.
	130	Mycotrol O	0.25 to 1 qts	0	4 hrs	-----	USDA organic approved. Insect pathogen <i>Beauveria bassiana</i> . Consult extension specialist or crop consultant prior to use.
	145	DiPel ES, Xentari, Biobit, etc.	See label	0	4 hrs	-----	Consult label with an extension specialist /crop consultant concerning specific target pests. Most effective against early stage larvae. Addition of a sticker may be necessary.
	150	Actara	2 to 4 oz	30	12 hrs	See label	No aerial application. Note pollinator caution. 7-day minimum application interval. Refer to Supplemental Label for managing pest resistance.
   	151	Avaunt	6 oz.	30	12 hrs	24 oz.	7-day minimum reapplication interval. Hold water for 1 day after application; no flow through bogs. Spring cranberry weevil control only. Follow local recommendations for timing of application intervals.
	165	†Confirm 2F	16 oz	30	4 hrs	64 oz	Note chemigation parameters on label. Coverage and timing are critical as insect pests must ingest the product. Follow local recommendations for timing of application intervals.
	176	†Entrust	1.25 to 3 oz	21	4 hrs	9 oz	USDA organic approved. Note chemigation parameters and pollinator cautions on label. 7-day minimum application interval.
	177	†Delegate WG	3 to 6 oz.	21	4 hrs	19.5 oz.	7-day minimum for reapplication. Refer to label to minimize insect resistance. Follow local recommendations for timing of application intervals.
   	180	*Lorsban 4E, *Chlorpyrifos 4E-AG, *Nufos 4E	3 pts	60	24 hrs	2 apps	Note chemigation parameters on label. Consult label for water impoundment requirements: 5 days recommended. Do not apply to bogs when flooded.
   	181	Lorsban 75WG	2 lbs	60	24 hrs	2 apps	Note chemigation parameters on label. Water impoundment requirements; 5 days recommended. Do not apply to bogs when flooded. 10-day minimum application interval.
   	205	Imidan 70W	1.3 to 4.0 lbs	14	24 hrs to 3 days	15.6 lbs	For heavy insect infestations and cranberry fruitworm use higher rate. Insecticidal activity may be reduced if pH is 6 or higher. 10-day minimum application interval. Water soluble bags formulation has a 3-day REI.
   	209	*Diazinon AG600 WBC, Diazinon 5WB	51.0 to 76.5 oz	7	5 days	3 apps	See label for rate and target pest recommendations. Recommend impoundment of water for 3 days. 14-day minimum application interval. 24 hr. REI for 5WB.
   	210	*Diazinon 50W, *Diazinon 50 WSB	4 to 6 lbs	7	5 days	3 apps	See label for rate and target pest recommendations. Check label regarding aerial application. Recommend impoundment of water: 3 days. 14-day min. application interval.
   	211	*Diazinon AG500	2 to 3 qts	7	5 days	3 apps	See label for rate and target pest recommendations. Check label regarding aerial application. Recommend water impoundment: 3 days. 14-day min. application interval.
   	212	*Diazinon 14G	21 lbs	7	5 days	1 app	A 24(c) label exists for WI. No aerial application. Consult label for water impoundment and bird protection measures. MUST notify WDATCP at least 24 hours prior to application.



















2008 Wisconsin Cranberry Pesticide Chart – Page 2

Toxicity	Code	Insecticide	Rate per acre	PHI	REI	MAX	Notes
	221	Sevin XLR Plus, Sevin 4F	1.5 to 2 qts	7	12 hrs	5 apps	Note pollinator caution. XLR Plus formulation offers greater bee safety. 7-day minimum application interval.
	222	Sevin 80WSP, Sevin 80S	1.875 to 2.50 lbs	7	12 hrs	5 apps	Note pollinator caution. 7-day minimum application interval.
	260	Pyronyl or Pyrenone	Up to 12 oz	0	12 hrs	----	Sunlight degrades product quickly. Water impoundment recommended for 24 hours. Consult extension specialist for formulations registered in your state.
	261	Pyganic EC 1.4	16 to 64 oz.	0	12 hrs	----	See Comments for Pyronyl. Final spray should be buffered to 5.5 to 7.0 pH.
	262	Pyganic EC 5.0	4.5 to 18 oz.	0	12 hrs	----	See Comments for Pyronyl. Final spray should be buffered to 5.5 to 7.0 pH.
 	270	Orthene 75S, Orthene 75WSP	1.33 lb	75	24 hrs	1 app	A 24(c) label exists in WISCONSIN; see label for application timing and warnings. Note pollinator warnings. Tank mixing with other organophosphates is prohibited.
 	271	Orthene 97, Acephate 97UP	1 lb	75	24 hrs	1 app	A 24(c) label for WI; Note pollinator warnings. The registrant recommends only tank mixing with water-based Diazinon. Do not mix with oil-based Diazinon.
	280	Admire Pro	7 to 14 oz.	30	12 hrs	14 oz.	No aerial application. Do not apply during bloom. See label for application rate and timing.
	281	Admire 2F	16 to 32 oz.	30	12 hrs	32 oz.	No aerial application. Do not apply during bloom. See label for application rate and timing.
	290	* †Intrepid 2F	10 to 16 oz	14	4 hrs	64 oz	Note chemigation parameters on label. Do not apply by ground within 25 feet, or by air within 150 feet of bodies of water; use of this product is prohibited in Door county and restricted in other counties (see label).
  	295	Assail 30G	1.9 to 6.9	1	12 hrs	13.8 oz.	7-day minimum for reapplication. Coverage and timing are critical as insect pests must ingest the product. Follow local recommendations for timing of application intervals.
  	296	Assail 70 WP	0.8 to 3 oz.	1	12 hrs	6 oz.	7-day minimum for reapplication. Coverage and timing are critical as insect pests must ingest the product. Follow local recommendations for timing of application intervals.
	297	Knack	16 oz.	7	12 hrs.	32 oz.	14-day minimum for reapplication.

2008 Wisconsin Cranberry Pesticide Chart – Page 3

Toxicity	Code	Herbicide	Rate per acre	PHI	REI	MAX	Notes
	300	Casoron 4G	Up to 100 lbs	See note	12 hrs	See note	Apply early spring or post-harvest. Multiple applications may be made. Allow 3-6 weeks between applications. Not exceed 100 lbs product per acre within 12 month period.
	310	Devrinol 10G, 50DF	See label	See note	12 hrs	See note	See label for application timing and soil type/rate relationship. See Supplemental label for 50DF.
	320	Glyphosate herbicides (Glyphos, Roundup products, Rattler, etc.)	Dilution rates vary	30	See label	See label	Wipe over tops of weeds above vines. Do not touch or drip on cranberry vines. Many glyphosate-containing products are registered for use on cranberries; consult label.
	330	Evital 5G	80 to 160 lbs	See note	12 hrs	1 app	Consult extension specialist or crop consultant for rate recommendation prior to application. Apply as single application in early spring or post-harvest.
	340	2,4-D Granules	10 to 20 lbs.	See note	12 hrs.	1 app	For preemergence use only. Read label for precautions.
	360	Callisto	4 to 8 oz.	45 days	12 hrs	16 oz.	No more than 2 applications per year. 14-day minimum for application. Refer to label for appropriate timing.
	382	Princep 4L, Simazine 4L	2 qts	See note	12 hrs	1 app	Consult extension specialist prior to use. Apply before spring growth begins.
	383	Princep Caliber 90, Simazine 90DF/90WDG	2.2 lbs	See note	12 hrs	1 app	Consult extension specialist prior to use. Apply before spring growth begins.
	460	Poast	0.5 to 2.5 pts	60	12 hrs	5 pts	No chemigation allowed. 14-day minimum application interval. For spot treatment, add DASH HC or Crop Oil Concentrate. Use 1.3 oz Poast per gallon of water and 0.6 oz of Dash HC for a 1% solution.
	466	Select Max	9 to 16 oz.	30	24 hrs	64 oz.	No chemigation allowed. Add 0.25% v/v non-ionic surfactant in the finished spray volume. 14-day minimum application interval. Do not apply between hook and fall fruit set.
	470	Stinger	2.67 to 8 oz	50	12 hrs	16 oz	24 (c) label: No aerial or chemigation applications allowed. Apply to actively growing weeds. Do not make broadcast foliar applications of Stinger between budbreak and fruit-set. Use lower rates on young weeds. Wipe applications are not recommended. Do not apply within 5 feet of any water moving off or through cranberry bed. Do not apply with surfactants.

2008 Wisconsin Cranberry Pesticide Chart – Page 4

Toxicity	Code	Fungicide	Rate per acre	PHI	REI	MAX	Notes
	520	Copper hydroxide fungicides (Kocide, Champ, Nu-Cop, etc)	See label	0	24 hrs	See label	Many fixed copper hydroxide fungicides are registered for cranberry. Contact extension specialist or crop consultant concerning product choice and use. Upright dieback is now on the label.
	529	Copper-Count-N	8 qts	0	12 hrs	3 apps	10-day minimum application interval.
	555	ManKocide	10.5 lbs	30	24 hrs	96 lbs	See label for maximum rate when using multiple EBDC. 7-day minimum application interval.
	560	Maneb 80WP/75DF	4.8 to 6 lbs	30	24 hrs	See label	See label for maximum rate when using multiple EBDC. 7-day minimum application interval.
	566	Manex	2.4 to 4.8 qts	30	24 hrs	14.4 qts	See label for maximum rate when using multiple EBDC. 7-day minimum application interval.
	567	Penncozeb 75DF/80WP, Dithane DF, M-45, Manzate Pro-Stick	3 to 6 lbs	30	24 hrs	See label	See label for maximum rate when using multiple EBDC. 7-day minimum application interval.
	568	Manzate, Manzate Flowable, Penncozeb 4L, Dithane F45	2.4 to 4.8 qts	30	24 hrs	See label	See label for maximum rate when using multiple EBDC. 7-day minimum application interval.
	580	*Equus 500 ZN	5.7 to 9.6 pts.	50	12 hrs	3 apps	Do not apply to bogs when flooded or allow release of irrigation water for at least 3 days after application. 10-day minimum application interval.
	581	Bravo Weather Stik	4 to 6.5 pts	50	See label	3 apps	Do not apply to bogs when flooded or allow release of irrigation water for at least 3 days after application. See label for REI restrictions. 10-day min. application interval. 2(ee) label for upright dieback.
	583	Bravo Ultrex, Equus DF	3.8 to 6 lbs	50	12 hrs	3 apps	Do not apply to bogs when flooded or allow release of irrigation water for at least 3 days after application. See label for REI restrictions. 10-day min. application interval. 2(ee) Ultrex label for upright dieback.
	590	Echo 720 Equus 720 SST	4 to 7 pts 4 to 6.67 (SST)	50	12 hrs	See label	Do not apply to bogs when flooded or allow release of irrigation water for at least 3 days after application. See label regarding REI restrictions. 10-day minimum application interval. Note Equus 720 SST rates and maximums are different. Echo 720 now has upright dieback on label.
	591	Echo 90DF	3.25 to 5.75 lbs	50	12 hrs	15.0 lbs	Do not apply to bogs when flooded or allow release of irrigation water for at least 3 days after application. See label regarding REI restrictions. 10-day minimum application interval. Upright dieback now on label.
	615	Top Cop with Sulfur	2 qts	0	24 hrs	-----	7-day minimum application interval.
	620	Aliette WDG	5 lbs	3	12 hrs	20 lbs	Do not exceed 4 applications per year. 30-day minimum application interval.
	652	Ridomil Gold SL	1 to 1.75 pts	45	48 hrs	3 apps	No aerial application allowed. One application allowed spring, summer and post-harvest.
	653	Ridomil Gold GR	20 to 35 lbs	45	48 hrs	3 apps	One application allowed spring, summer and post-harvest.
	661	Orbit	4 to 6 oz.	45	24 hrs	24 oz.	Refer to product label instructions to avoid pest resistance.
	670	Abound	6.2 to 15.4 oz	3	4 hrs	92 oz.	Do not apply to beds when flooded or allow release of irrigation water for at least 14 days following last application. See label regarding resistance management. 7-day minimum application interval.
	680	Phostrol	5 to 6 pts	3	4 hrs	4 apps	14-day minimum application interval.
	690	Indar 75 WSP, 2F	4 oz. (75WSP) 6 oz. (2F)	30	12 hrs.	4 apps	Chemigation approved. Refer to label instructions to avoid pest resistance.

Produced by the Cranberry Institute, 3203-B Cranberry Highway, East Wareham, Massachusetts, USA 02538, for the benefit of the cranberry commodity. March 2008.
For full labels and MSDS visit www.cdms.net

PHI = Pre-Harvest Interval (in days)
REI = Restricted Entry Interval
MAX = maximum number of applications or product per acre per season