

2019 Maine Wild Blueberry Pesticide Chart – 3 of 3

NOTE: THIS CHART IS NOT A SUBSTITUTE FOR READING AND FOLLOWING THE LABEL. It is unlawful to use any pesticide for other than the registered use. Read and follow the label on the product container. The user assumes all responsibility for use inconsistent with the label. Trade names are used for identification. No product endorsement is implied, nor is discrimination intended against similar materials. Cooperative Extension makes no warranty or guarantee of any kind concerning the use of these products. **Check with your processor regarding PHI restrictions or MRL restrictions for export sales.**

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

HERBICIDES

TOXICITY	HERBICIDE	AI/GROUP	RATE/ACRE	PHI	REI	MAX/ACRE/YR	NOTES
	Asulox (24c label expires 1/31/20)	asulam <i>Group 18</i>	Spot only: 1 gal	365	12 hrs	1 gal	For bracken fern control in the prune year. Ferns should be in full frond. May add NIS at 0.25% v/v to improve uptake. Apply once every other year on non-crop only; control symptoms will not be visible until the year after application. Human toxicity high for skin and eyes.
	Callisto (24c label expires 12/31/22) Explorer Meso 4 SC and others	mesotrione <i>Group 27</i>	Prune: 6 oz pre-emergence, 3 oz or 2 oz* post-emergence Crop: 4 oz pre-bloom	60	12 hrs	2-3 applications/6 oz prune; 1 application/4 oz crop (0.19 lb ai)	Prune year or crop year. Max 6 oz/a/prune year may be applied as two or *three applications at least 14 days apart. When applied post-emergence, add COC (1% v/v). Add 8.5 lbs AMS/100 gal water to increase post-emergence efficacy. Injury may occur in dry conditions or over 85°F. See 24C label for revised prune year/crop year application.
	Chateau SW	flumioxazin <i>Group 14</i>	12 oz	7	12 hrs	12 oz; 12 oz per application	Apply after pruning in fall only. Moisture is necessary to activate in soil for residual weed control. Valent® tank cleaner available for removing flumioxazin residue from spray equipment. Human reproductive toxicity moderate.
	Direx 4L Diuron 4L	diuron <i>Group 7</i>	1.6 qts	--	12 hrs	---	Apply in late spring of prune year pre-emergence or before bud-break in crop year. Do not use on soils with <2% organic matter or on foliage or exposed roots. Moisture is required to activate (within 2 weeks post-treatment).
	Karmex DF		2 lbs				
	Express TS 50 (24c label expired, renewal in 2019)	tribenuron methyl <i>Group 2</i>	0.8 to 1 oz	45	12 hrs	1 oz	For bunchberry control, apply in fall after harvest up until killing frost. May only be applied after harvest and before pruning. Add 0.25% v/v NIS. Do not use COC or an MSO. Do not use in solutions below pH 6.0. See 24C label. Human toxicity moderate for skin (sensitizer).
	Fusilade DX (supplemental label expires 8/31/20)	fluazifop-P butyl <i>Group 1</i>	Broadcast: 1 to 1.5 pt	10 months	12 hrs	2 applications; 24 oz/application; 48 oz (0.75 lb ai)	Grass control in prune year only; apply at least 14 days apart. Add 1% v/v COC or 0.25% v/v NIS for broadcast applications. Do not use if grass is drought-stressed or if rainfall is expected within one hour. Use of other herbicides within 5 days may cause crop injury or reduced control. Toxicity high for aspiration
			Spot: 0.75 oz. in 1 gal water				
	Kerb SC	pronamide <i>Group 3</i>	2.5 to 5 pts	--	24 hrs	1 application; 5 pts (2 lb ai)	For resistant grasses. Apply in a single application in late fall/early winter before soil freezes or snow. Most effective in soils with <4% OM and when temp is <55°F; rain/snowmelt is required to move into root zone. May only be applied in fall/winter of either year.
	Kerb 50W		2 to 4 lbs			1 application; 4 lb (2 lb ai)	
	Multiple formulations	glyphosate <i>Group 9</i>	Wiper: Sponge 10% v/v herb, 20% woody; Rope/wick-33% v/v. Directed spray: 2% v/v	14	4 hrs	6 lbs a.e. for all formulations (see label for product max)	Multiple formulations (use rate based on 41-49% glyphosate formulations); adjust rates accordingly. Add 1- 2% w/w spray grade AMS to increase efficacy on woody weeds only. See labels for surfactant guidelines; do not use surfactant for wiper applications. Avoid contact with blueberries.
	Matrix SG (supplemental label expires 3/31/20) Solida	rimsulfuron <i>Group 2</i>	4 oz	21	4 hrs	1 application: 4 oz	Apply in prune year only, pre-emergence broadcast or early post-emergence directed spray. Post-emergence spray may result in temporary chlorosis or stunting. Do not use on frozen/snow covered soil, soils classified as Sand or pre-emergence on soils with >6% OM. Spray solution should be pH 5-7 for best results. Use NIS 0.125-0.25% v/v or COC 1% v/v post-emergence; see label for specifics.
	Poast	sethoxydim <i>Group 1</i>	Broadcast: 1.5 to 2.5 pts	30	12 hrs	5 pts; 2.5 pts per application	Grass control only. Add 2 pts/a COC for broadcast applications. Do not apply when grass is drought-stressed. Repeat applications must be at least 14 days apart.
			Spot: 2 oz. in 1 gal water				
	Rely 280	glufosinate <i>Group 10</i>	Broadcast: 29 oz Spot: 1.7 oz in 1 gal water	14	12 hrs	164 oz (3 lb ai); 2 applications at 82 oz per application	Foliar-active only. Apply pre-emergence to blueberries; avoid contact as plants will burn back. Add to spray tank last; may require an antifoam agent. For best results, apply on a warm, sunny humid day. Human toxicity high for eyes and reproduction.
	Select 2EC Arrow 2 EC Intensity Shadow Clethodim 2E and others	clethodim <i>Group 1</i>	Broadcast: 6 to 8 oz	NA (365)	24 hrs	32 oz (0.5 lb ai); 8 oz per application	Grass control in prune year only. Add 0.25% v/v NIS; do not use COC. Multiple applications must be at least 14 days apart. Use higher rates for perennial grasses. Tank mixing with certain post-emergence broadleaf herbicides may reduce grass control.
			Spot: 0.33 to 0.65 oz in 1 gal water				
	Select Max (supplemental label expires 5/2/19, see revised master label)	clethodim <i>Group 1</i>	Broadcast: annuals 9 to 16 oz, perennials 12 to 16 oz	45	24 hrs	64 oz (0.485 lb ai); 16 oz per application	Grass control in prune or crop year (see supplemental label). Any repeat applications must be at least 14 days apart. Add NIS at 0.25% v/v in 5-40 GPA water. Do not apply when grass is stressed. Do not apply post-emergence broadleaf herbicides within 1 day of application.
			Spot: 0.44 to 0.85 oz in 1 gal water				
	Shadow 3EC Section Three	clethodim <i>Group 1</i>	Broadcast: 4 to 5.33 oz	NA (365)	24 hrs	21.33 oz; 5.33 oz per application	See notes under Select 2 EC. AMS not recommended.
			Spot: 0.44 to 0.85 oz in 1 gal water				
	Sinbar WDG (2ee label for fertilizer)	terbacil <i>Group 5</i>	2 to 3 lbs	--	12 hrs	---	Apply pre-emergence in prune year or in crop year before bud-break. Do not use on soil with <1 % organic matter, or in sand or loamy sand with <3% OM. Use higher rate on heavy soil or soils high in OM. Moisture is required to activate. May be impregnated on fertilizer.
	Velpar L CU Tide Hexar 2SL Velpar DF CU	hexazinone <i>Group 5</i>	4 to 12 pts	450	48 hrs	Up to 8 pts or 2.4 lbs if treated with hexazinone in past 8 years	Apply in spring of prune year pre-emergence. Use lower rates on poorly drained soil and steep slopes. Use higher rates on heavier soil or soils high in organic matter. Moisture is required to activate; most effective in high temps/humidity. May be impregnated on fertilizer. Avoid contact with blueberries. Maintain a 50 foot buffer from any well head or water reservoir and do not apply to frozen or flooded fields. Human toxicity high for eyes.
	Velossa		1.2 to 3.6 lbs			6.6 pts. if treated with hexazinone in past 8 years	
	Zeus Prime XC	carfentrazone & sulfentrazone <i>Group 14</i>	7.7 to 15.2 oz	3	12 hrs	1 application; 15.2 oz (0.41 lb ai)	For control of resistant broadleaf weeds, grasses and sedges. Apply in noncrop year before blueberry emergence. Do not tank mix with flumioxazin or other products containing sulfentrazone. Maintain spray solution between pH 5-9. Best results with moist soil and ½-1" rainfall/irrigation within 14 days. Availability decreases with finer soils and increases with higher pH; do not apply on sand with <1% OM. Human toxicity moderate for liver.

Prepared by Jennifer D'Appollonio, Assistant Scientist and David E. Yarborough, Extension Blueberry Specialist, The University of Maine, Orono, ME 04469. February 2019. ***Please note: This revised version replaces any previous charts.***

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