

















2016 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 2/1/20)	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. See 24C Label. Human toxicity high for skin and eyes.
	Callisto (24C label for crop year expires 6/1/17)	mesotrione <i>Group 27</i>	Prune: 6 oz pre-emergence or 3 oz post-emergence Crop: 4 oz pre-bloom	60	12 hrs	2 applications/6 oz prune; 1 application/4 oz crop	Prune year or crop year. Max 6 oz/a/prune year may be applied as two 3 oz/a 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 crop year application.
	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 XP Karmex DF		2 lbs				
	Express TS50 (24C label expires 1/1/19)	tribenuron methyl <i>Group 2</i>	0.8 to 1 oz	365	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	fluazifop-P butyl <i>Group 1</i>	Broadcast: 1 to 1.5 pt	365	12 hrs	72 oz	Grass control in prune year only. Add 2 pts/25 gal water (1% v/v) COC or 0.5 pt/25 gal water (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.
			Spot: 0.75 oz. in 1 gal water				Add 1.5 oz/gal water (1% v/v) COC or 0.5 oz/gal water (0.25% v/v) NIS for spot applications.
	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				

	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 ammonium sulfate 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 2/1/17)	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. When applied post-emergence use NIS 0.125-0.25% v/v or COC 1% v/v; see label for specifics.
	Poast	sethoxydim <i>Group 1</i>	Broadcast: 1.5 to 2.5 pts Spot: 2 oz. in 1 gal water	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. Add 1.5 oz COC or 0.5 oz NIS per gal for spot applications.
	Select 2EC Arrow 2EC Clethodim 2EC Intensity Section 2EC Shadow	clethodim <i>Group 1</i>	Broadcast: 6 to 8 oz Spot: 0.33 to 0.65 oz in 1 gal water	NA (365)	24 hrs	32 oz (0.5 lb ai); 8 oz per application	Grass control in prune year only. Add 0.5 pt NIS/25 gal water in 5-40 gal/a water (0.25% v/v). Multiple applications must be at least 14 days apart. Do not apply when grass is stressed. Do not use COC. Use higher rates for perennial grasses. Tank mixing with certain post-emergence broadleaf herbicides may reduce grass control. Add 0.33 oz/gal water NIS (0.25% v/v). Treat until wet but do not allow runoff. Do not use COC.
	Select Max	clethodim <i>Group 1</i>	Broadcast: annuals 9 to 16 oz, perennials 12 to 16 oz Spot: 0.44 to 0.85 oz in 1 gal water	NA (365)	24 hrs	64 oz (0.5 lb ai); 16 oz per application	Grass control in prune year only. 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. Add NIS at 0.33 oz/gal water. Treat until wet but do not allow runoff.
	Shadow 3 EC Section 3	clethodim <i>Group 1</i>	Broadcast: 4 to 5.33 oz Spot: 0.44 to 0.85 oz in 1 gal water	NA (365)	24 hrs	21.33 oz; 5.33 oz per application	See notes under Select 2 EC. AMS not recommended.
	Sinbar WDG	terbacil <i>Group 5</i>	2 to 3 lbs	--	12 hrs	---	Apply in spring of prune year pre-emergence or in crop year before bud-break. Do not use on exposed roots or 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 organic matter. Moisture is required to activate. May be applied impregnated on fertilizer, see 2EE label.
	Velpar L Velpar L CU Tide Hexar 2SL Velpar DF Velpar DF CU Velossa	hexazinone <i>Group 5</i>	4 to 12 pts 1.2 to 3.6 lbs 3.3 to 10 pts	450	48 hrs	Up to 8 pts or 2.4 lbs if treated with hexazinone in past 8 years Up to 6.6 pts. 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.

Prepared by Jennifer Cote, Assistant Scientist and David E. Yarborough, Extension Blueberry Specialist, The University of Maine, Orono, ME 04469. March 2016. ***Please note: This revised version replaces any previous charts.***

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