

Pesticide Registrations in Oregon Raspberries and Blackberries – May 1, 2011

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This document is just a guide and not intended as a recommendation or endorsement of the pesticides listed within. Pesticide registrations and labels are subject to change. Consult with your supplier, field representative, pest consultant or OSU Extension Service prior to pesticide use.

Insecticides/Miticides

Name	Alternative Name	Pests Controlled (as listed on the label)	Label*	PHI ^a (days)	REI ^b (hrs)	IRAC ^c
Acramite	Bifenazate	Twospotted spider mite	F	1	12	25
Actara	Thiamethoxam	Aphid, root weevil	F	3	12	4A
Admire Pro	Imidacloprid	Aphid, leafhopper	F	7	12	4A
Altacor	Chlorantraniliprole	Leafroller, raspberry crown borer	F	3	4	28
Asana XL	Esfenvalerate	Aphid, leafroller, root weevil	F	7	12	3A
Assail	Acetamiprid	Aphids, fruitworm, leafhopper, thrips	F	1	12	4A
<i>Beauveria bassiana</i>	Mycotrol	Aphid, stinkbug, and other insects	F	0	12	?
Brigade	Bifenthrin	Leafroller, root weevil, rasp. crown borer	F	3	12	3A
Bt	DiPel, Javelin, MVP	Leafrollers and other Lep insects	F	0	4	11B2
Confirm	Tebufenozide	Leafrollers and other Lep insects	F	14	4	18A
Cryolite Bait	Cryolite	Root weevils	S	3	12	9A
Danitol	Fenpropathrin	Leafroller, fruitworm	F	3	24	3A
Delegate	Spinetoram	Armyworm, leafrollers, looper, raspberry fruitworm, thrips	F	1	4	5
Diazinon	Diazinon	Raspberry crown borer, raspberry fruitworm	F	7	5	1B
Knack	Pyriproxyfen	Fruitworm	S	7	12	7C
Malathion	Malathion	Aphid, leafroller, lygus bug, mite, thrips	F	1	12	1B
Mustang	Zeta-cypermethrin	Leafroller, root weevil	F	1	12	3A
Neem	AzaDirect, Neemix, etc	Aphid, leafroller and other insects and mites	F	0	4	18B
Provado 1.6F	Imidacloprid	Aphid, leafhopper, thrips	F	3	12	4A
Pyganic	Pyrethrin	Aphid, leafroller, and other insects	F	0	12	3A
Pyrellin	Rotenone+pyrethrin	Aphid, leafroller and other insects	F	12 hours	12	21B+3A
Savey	Hexythiozox	Twospotted spider mites	F	3	12	10A
Sevin	Carbaryl	Aphid, leafroller, and other insects	F	7	12	1A
Soaps	Safer, M-Pede	Aphid, powdery mildew	F	0	12	?
Success, Entrust	Spinosad	Armyworm, leafroller, looper, raspberry fruitworm, thrips	F	1	4	5
VendEX (Raspberry only)	Fenbutatin-Oxide	Twospotted spider mite	F	3	48	12B

Fungicides

Name	Alternative Name	Pest Controlled (as listed on the label)	Label*	PHI ^a (days)	REI ^b (hrs)	FRAC ^d
Abound	Azoxystrobin	Anthracnose, leaf spot, powdery mildew, spur blight, rust	F	0	4	11
Aliette	Fosetyl-al	Root rot	F	60	12	33
Cabrio	Pyraclostrobin	Anthracnose, leaf spot, powdery mildew, rust	F	0	24	11
Captan		Anthracnose, fruit rot, spur blight	F	3	72	M4
Captevate (Rasp only)	Captan + fenhexamid	Anthracnose, Botrytis fruit rot, spur blight	F	3	48	M4+17
Coppers	Kocide, Champ , etc.	Anthracnose, leaf spot, purple blotch, rust	F	None listed	Varies; check label	M1
Elevate	Fenhexamid	Anthracnose, Botrytis fruit rot, spur blight	S	0	12	17
Fosphite, Phostrol	Phosphorous acid	Anthracnose, downy mildew, root rot	F	None listed	4	33
Lime Sulfur (Rex)	Calcium Polysulfide	Anthracnose, cane blight, leaf spot, powdery mildew, rust, spur blight and mites	F	Delayed dormant use	Varies; check label	?
Oil	BioCover; Sun; JMS	Powdery mildew, and insects	F	Delayed dormant or postharvest	4	?
Orbit/Tilt	Propiconazole	Powdery mildew, rust, septoria leaf spot	F	30	24	3
Potassium bicarb.	Kaligreen, Milstop	Botrytis fruit rot, leaf spot, powdery mildew, & others	F	1	4	?
Pristine	Boscalid+pyraclostrobin	Anthracnose, blight, botrytis fruit rot, leaf spot, powdery mildew, rust, spur blight	F	0	24	7+11
Rally	Myclobutanil	Orange rust, yellow rust, powdery mildew	F	0	24	3
Ridomil (Rasp. only)	Mefenoxam	Root rot	F	45	48	4
Rovral, Iprodione	Iprodione	Botrytis fruit rot	F	0	24	2
Serenade	Bacillus subtilis	Anthracnose, Botrytis	F	0	4	?
Sulfur	Microthiol sp.	Powdery and Downy mildews, leaf spot & insects	F	None listed	24	M2
Switch	Cyprodinil+fludioxonil	Anthracnose, botrytis fruit rot	F	0	12	9+12
Tanos	Cymoxanil+famoxadone	Anthracnose, spur blight, Septoria leaf spot	S	0	12	11+27
Ziram (Blackberry only)	Ziram 76DF	Evergreen blackberry canker	F	See label	48	M3

Other

Name	Alternative Name	Pest Controlled (as listed on the label)	Label*	PHI ^a (days)	REI ^b (hrs)	
Deadline, others	Metaldehyde	Slugs	F	None listed; assume zero	12	
Ethrel (Blackberry only)	Ethephon	For fruit ripening	F	3	48	
Prozap Z-P Pellets	Zinc Phosphate	Voles	F	70, but use prior to bud-break or after last harvest	24	
Sluggo	Iron Phosphate	Slugs	F	0	0	

Herbicides

Name	Alternative Name	Pest Controlled; Herbicide Type	Label*	PHI ^a (days)	REI ^b (hrs)	HRG ^e
Aim	Carfentrazone-ethyl	Primocane suppression; broadleaf weeds; post-emergence	F	15	12	14
Basagran	Bentazon	Broadleaf weeds and sedges; post-emergence	S, N	365	48	6
Callisto	Mesotrione	Broadleaf weeds; pre- and post-emergence	F	Pre-bloom	12	27
Casoron	Dichlobenil	Broadleaf weeds and grasses; pre-emergence	F	Avoid new shoots	12	20
Chateau (Rasp only)	Flumioxazin	Broadleaf weeds and grasses; pre-emergence	S,N	365	12	14
Devrinol	Napropamide	Broadleaf weeds and grasses; pre-emergence	F	Spring/Fall use	12	15
Dual Magnum	S-metolachlor	Pre-emerge, broadleaves and nutsedge	S	28	24	15
Fusilade	Fluazifop	Grass weeds; post-emergence	N	365	12	1
Gallery	Isoxaben	Broadleaf weeds; pre-emergence	N	365	12	20
Goal	Oxyfluorfen	Primocane suppression; broadleaf weeds; pre- and post-emergence	S	Rasp = 50 Black = 15	24	14
Gramoxone	Paraquat	Broadleaf weeds and grass; post-emergence	F	Avoid new shoots	24	22
Karmex	Diruon	Broadleaf weeds and grasses; pre-emergence	F	Late Spring/Fall use	12	7
Kerb	Pronamide	Broadleaf weeds and grasses; pre-emergence	F	Fall/Winter use	24	3
Poast	Sethoxydim	Grass weeds; post-emergence	F	45	12	1
Roundup, Others	Glyphosate	Broadleaf weeds and grass; post-emergence	F	14	4	9
Scythe	Pelargonic acid	Broadleaf weeds and grass; post-emergence	F	1	24	?
Select	Clethodim	Grass weeds; post-emergence	S	7	24	1
Simazine	Princep	Broadleaf weeds and grasses; pre-emergence	F	Spring/Fall use	12	5
Sinbar	Terbacil	Broadleaf weeds and grasses; pre-emergence	F	70 days	12	5
Solicam	Norflurazon	Broadleaf weeds and grasses; pre-emergence	F	60	12	12
Surflan	Oryzalin	Broadleaf weeds and grasses; pre-emergence	F	Spring/Fall use	12	3
Vinegar (Weed Pharm)	Acetic acid	Post-emerge, broadleaves and grasses	F	0	48	?

Legend:

* F = Federal Label, S = State or Supplemental Label, N = Non-bearing crop only; **Bold Type** indicates approved for organic production

^a **PHI:** The preharvest interval (PHI) is the amount of time that must elapse between the last application of a pesticide and harvest of the crop. PHI (usually days) is found on the label in the use directions for each crop that is listed on the label.

^b **REI:** All pesticide products have a prescribed-time restricted entry interval (REI) for worker protection. REI is clearly stated in the Agricultural Use Requirements section on the label. Generally, entry into treated areas during the prescribed time (usually hours) REI is not allowed unless Personal Protective Equipment (PPE) is worn or used.

^c **IRAC:** Insecticide (and Miticide) Resistance Action Committee Code Number. Insecticides/ Miticides with the same number should not be used consecutively, as they are similar in chemistry and/or mode of action and doing so may increase the risk of resistance.

^d **FRAC:** Fungicide Resistance Action Committee Code Number. Fungicides with the same number should not be used consecutively, as they are similar in chemistry and/or mode of action and doing so may increase the risk of resistance.

^e **HRG:** Herbicide Rotation Guide (from the Weed Science Society of America). To avoid selecting for herbicide-resistant weeds, do not use herbicides from the same group more than once within three years. Rather, rotate to a different group every year of the production system.