

Pesticide Registrations in Oregon Blueberries – September 15, 2016

Joe DeFrancesco, Oregon State University, 541-737-0718; defrancj@science.oregonstate.edu

This document is a guide and not intended as a recommendation or endorsement of the pesticides listed within. Pesticide registrations and labels are subject to change. Read pesticide labels carefully and 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)	PHI ^a (days)	REI ^b (hrs)	IRAC No. ^c
Actara	Thiamethoxam	Aphids, leafhoppers, root weevils	3	12	4A
Admire Pro (soil applied)	Imidacloprid	Japanese beetle adults and larvae	7	12	4A
Altacor	Chlorantraniliprole	Leafrollers, raspberry crown borer	1	4	28
Asana XL	Esfenvalerate	Root weevil, leafroller, SWD	14	12	3A
Assail	Acetamiprid	Aphid, leafhopper, cherry fruitworm, thrips	1	12	4A
Avaunt	Indoxacarb	Leafrollers, winter moth, cherry fruitworm	7	12	22A
Brigade	Bifenthrin	Leafrollers, scale, aphid, SWD	1	12	3A
Bt	DiPel, Javelin, MVP	Leafrollers, winter moth	0	4	11B2
Confirm	Tebufenozide	Leafrollers, winter moth	14	4	18A
Cryolite Bait	Sodium aluminoflouride	Root weevil	3	12	9A
Danitol	Fenpropathrin	Leafroller, fruitworm, winter moth, SWD	3	24	3A
Delegate	Spinetoram	Leafrollers, winter moth, SWD	3	4	5
Diazinon	Diazinon	Aphid, cherry fruitworm, winter moth	7	5 days	1B
Esteem	Pyriproxyfen	Cherry fruitworm, scale	7	12	7C
Exirel	Cyantraniliprole	Aphid, cherry fruitworm, gall midge, SWD	3	12	28
Imidan	Phosmet	Leafroller, blueberry maggot, weevils, fruitworm	3	24	1B
Intrepid	Methoxyfenozide	Leafrollers, winter moth, fruitworm	7	12	18A
Lannate	Methomyl	Aphid, cherry fruitworm, leafroller, winter moth	3	48	1A
Malathion	Malathion	Aphid, cherry fruitworm, scale, root weevil	1	12	1B
Mocap	Ethoprop	Symphylans	365 (non-bearing only)	48	1B
Mustang	Zeta-cypermethrin	Leafrollers, winter moth, root weevils, SWD	1	12	3A
Mycotrol	<i>Beauveria bassiana</i>	Aphid, root weevil	0	12	?
Neem	AzaDirect, Neemix, etc	Aphid, leafroller, root weevil, others	0	4	18B
Oil	BioCover, 6E, JMS, etc	Scale, winter moth eggs	Dormant Use	4	?
Platinum	Thiamethoxam	Aphids, leafhoppers	75	12	4A
Provado 1.6F	Imidacloprid	Aphid, leafhopper, thrips, Japanese beetle adults	3	12	4A
Pyganic	Pyrethrin	Many insects; clean-up spray for contaminants	0	12	3A
Pyrellin	Pyrethrin + rotenone	Many insects; clean-up spray for contaminants	12 hours	12	3A + 21B
Rimon	Novaluron	Leafroller, winter moth	8	12	15
Sevin	Carbaryl	Cherry fruitworm, leafroller	7	12	1A
Sivanto	Flupyradifurone	Aphid	3	4	4D
Soaps	Safer, M-Pede	Aphid	0	12	?
Success, Entrust	Spinosad	Armyworm, fruitworms, leafrollers, thrips, SWD, etc.	3; Entrust =1	4	5

Herbicides

Name	Alternative Name	Pest Controlled (as listed on the label)	PHI ^a (days)	REI ^b (hrs)	HRG ^d
2,4-D amine	Saber	Post-emerge, broadleaves	30	48	4
Aim	Carfentrazone-ethyl	Post-emerge broadleaves	0	12	14
Basagran (Arysta label)	Bentazon	Post-emerge broadleaves	365 (non-bearing only)	48	6
Callisto	Mesotrione	Pre- & Post-emerge, broadleaves & some grasses	Pre-bloom	12	27
Casoron	Dichlobenil	Pre-emerge, broadleaves and grasses	Avoid new shoots	12	20
Chateau	Flumioxazin	Pre-emerge, broadleaves & some grasses	7	12	14
Dual Magnum	S-metolachlor	Pre-emerge, broadleaves, grasses and nutsedge	28	24	15
Devrinol	Napropamide	Pre-emerge, broadleaves and grasses	Spring or fall use	12	15
Fusilade	Fluazifop	Post-emerge, grasses	365 (non-bearing only)	12	1
Gallery	Isoxaben	Pre-emerge, broadleaves	365 (non-bearing only)	12	20
Gramoxone	Paraquat	Post-emerge, broadleaves and grasses	Avoid new shoots	24	22
Karmex	Diruon	Pre-emerge, broadleaves and grasses	Spring or fall use	12	7
Kerb	Pronamide	Pre-emerge, broadleaves and grasses	Fall or winter use	24	3
Matrix	Rimsulfuron	Pre- & Post-emerge, broadleaves & grasses	21	4	2
Poast	Sethoxydim	Post-emerge, grasses	30	12	1
Prowl	Pendimethalin	Pre-emerge, broadleaves and grasses	30	24	3
Rely	Glufosinate	Post-emerge, broadleaves and grasses	14	12	10
Roundup, others	Glyphosate	Post-emerge, broadleaves and grasses	14, avoid foliage	4	9
Sandea	Halosulfuron	Pre- & Post-emerge broadleaves & nutsedge	14	12	2
Scythe	Pelargonic acid	Post-emerge, broadleaves and grasses	1	24	?
Select Max, Arrow	Clethodim	Post-emerge, grasses	14	12	1
Simazine	Princep	Pre-emerge, broadleaves and grasses	Spring or fall use	12	5
Sinbar	Terbacil	Pre-emerge, broadleaves and grasses	Spring or fall use	12	5
Solicam	Norflurazon	Pre-emerge, broadleaves and grasses	60	12	12
Stinger	Clopyralid	Post-emerge, broadleaves	30	12	4
Surflan	Oryzalin	Pre-emerge, broadleaves and grasses	Spring or fall use	12	3
Velpar	Hexazinone	Pre & Post-emerge, broadleaves and grasses	90	24	5
Vinegar (Weed Pharm)	Acetic acid	Post-emerge, broadleaves and grasses	0	48	?
Zeus XC	Sulfentrazone	Pre- & Post-emerge, broadleaves & grasses, nutsedge	3	12	14

Other

Name	Alternative Name	Pests Controlled (as listed on the label)	PHI ^a (days)	REI ^b (hrs)
Bird Shield; ReJex-iT	Methyl Anthranilate	Birds	6	?
CPPU; KT-30	Forchlorfenuron	PGR for fruit size and set, or delayed harvest	None listed	12
Deadline, others	Metaldehyde	Slugs and snails	None listed	12
Ethrel	Ethephon	PRG ,promotes fruit ripening	7	48
Prozap ZP Pellets	Zinc Phosphide	Rodents (voles)	70, but use prior to bud-break or after last harvest	24
Sluggo	Iron Phosphate	Slugs and snails	0	0

Fungicides

Name	Alternative Name	Pest Controlled (as listed on the label)	PHI ^a (days)	REI ^b (hrs)	FRAC ^e
Abound	Azoxystrobin	Alternaria, anthracnose, mummy berry, Phomopsis	0	4	11
Aliette	Fosetyl-al	Phytophthora root rot	0	12	33
Actinovate	<i>Streptomyces lydicus</i>	Alternaria, anthrac., Botrytis, mummyberry, Phomopsis, Root Rot	0	1	?
Bravo	Chlorothalonil	Anthracnose, mummy berry	42	12	M5
Captan	Captan	Alternaria, anthrac., Botrytis, mummy berry, Phomopsis	0	Check label	M4
Captevate	Captan + fenhexamid	Anthracnose, Botrytis, mummy berry	0	48	M4 + 17
Coppers	Kocide, Nordox , Champ , etc.	Bacterial canker	None listed	24 or 48	M1
Elevate	Fenhexamid	Botrytis	0	12	17
Fosphite, Phostrol	Phosphorous acid	Phytophthora root rot	None listed	4	33
Indar	Fenbuconazole	Mummy berry	30	12	3
Inspire Super	Difenconazole + cyprodinil	Alternaria, anthracnose, mummy berry	7	12	3 + 9
Meteor	Iprodione	Botrytis	0	24	2
Lime Sulfur (Rex) , etc	Calcium Polysulfide	Mummy berry	Dormancy	Check label	?
Luna Tranquility	Fluopyram + pyrimethanil	Botrytis, mummy berry, anthracnose	0	12	7 + 9
Omega	Fluazinam	Botrytis, anthracnose, Phomopsis	30	2 or 3 days	29
Ph-D, Tavano, Oso	Polyoxin-D	Alternaria, anthracnose, Botrytis, mummy berry, Phomopsis	0	4	19
Pristine	Boscalid + pyraclostrobin	Alternaria, anthrac., Botrytis, mummy berry, Phomopsis	0	12	7 + 11
Proline	Prothioconazole	Alternaria, anthracnose, mummy berry	7	12	3
Protexio	Fenpyrazamine	Botrytis, mummy berry	0	12	17
Quadris Top	Azoxystrobin + difenconazole	Alternaria, anthracnose, mummy berry	7	12	11 + 3
Quash	Metconazole	Mummy berry	7	12	3
Quilt Xcel	Azoxystrobin + propiconazole	Mummy berry, Phomopsis	30	12	11 + 3
Regalia	<i>Reynoutria sachalinensis</i>	Alternaria, anthrac., Botrytis, mummy berry, bacterial canker	0	4	?
Ridomil Gold	Mefenoxam	Phytophthora root rot (soil applied)	0	48	4
Serenade	<i>Bacillus subtilis</i>	Mummyberry suppression, Alternaria, anthracnose, Botrytis	0	4	?
Sulfur	Thiolux; Microthiol , others	Powdery mildew	None listed	24	M2
Switch	Cyprodinil + fludioxonil	Alternaria, anthrac., Botrytis, mummy berry, Phomopsis	0	12	9 + 12
Tilt, PropiMax, Bumper	Propiconazole	Mummy berry	30	12	3
Ziram Granuflo	Ziram	Alternaria, anthrac., Botrytis, mummy berry, Phomopsis	3 wks > full bloom	48	M3

^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 **HRG:** Herbicide Rotation Guide (from the Weed Science Society of America). Based on mode of action. 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.

^e **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.

Bold Type indicates approved for organic production