

# Biofungicides and Plant Activators Registered in Oregon

Common or Trade Name	Material	Target	Crops	Action	Application	Manufacturer or distributors
Actino-Iron	<i>Streptomyces lydicus</i> WYEC 108 plus iron	<b>Discontinued</b>				
Actinovate AG	<i>Streptomyces lydicus</i> WYEC 108 plus iron	Soilborne <i>Pythium</i> / <i>Globisporangium</i> , <i>Rhizoctonia</i> , <i>Phytophthora</i> , <i>Verticillium</i> , and <i>Fusarium</i> spp.	Turf, ornamental and vegetable crops	F, P	Variable activity on diseases. OK for mummy berry. 1-hr reentry. O	Valent: Novozymes BioAg Inc. 3101 W. Custer Ave. Milwaukee WI 53209 800-245-4104
Actinovate Lawn and Garden	<i>Streptomyces lydicus</i> WYEC 108 plus iron	<b>Discontinued</b>				
Amplitude ST	<i>Bacillus amyloliquefaciens</i> strain F727	A seed treatment	Bulb vegetables, legumes, root, and row crops	F, P	Efficacy unknown in PNW production. 4-hr reentry. O	ProFarm 1540 Drew Ave Davis, CA 95618 <a href="https://marronebio.com/contact/">https://marronebio.com/contact/</a>
AmyloShield	<i>Bacillus amyloliquefaciens</i> strain PTA 4838	Broad spectrum	Ornamentals, fruits, vegetables, herbs, hemp, turfgrass and other grasses	F, P	Efficacy unknown in PNW production. 4-hr reentry	Valent Biosciences Corporation 870 Technology Way Libertyville IL 60048
AQ10	<i>Ampelomyces quisqualis</i>	<b>Discontinued</b>				
Asperello	<i>Trichoderma asperellum</i> strain T34	Root diseases caused by <i>Fusarium</i> , <i>Pythium</i> / <i>Globisporangium</i> , and <i>Phytophthora</i>	Ornamentals in greenhouses	A, F, P	Efficacy unknown in PNW production. 4-hr reentry.	BIOBEST USA Inc. 8529 Goddard Road Suite 100 Romulus MI 48174
Apire	<i>Candida oleophila</i>	<b>Discontinued</b>				
Auxigro WP	GABA: gamma aminobutyric acid	<b>Discontinued</b>				
Aviv	<i>Bacillus subtilis</i> strain IAB/BS03	Multiple modes of action	Fruit, field, hop, nut, ornamentals, and vegetable crops	A, F, P	Efficacy unknown in PNW production. 4-hr reentry. O	SEIPASA S.A. C/ Almudevar 2 ES 22240 Tardienta (Huesca) Spain <a href="http://www.seipasa.com">www.seipasa.com</a>
Bacilirid	<i>Bacillus amyloliquefaciens</i> strain MBI 600	For powdery mildew and soilborne diseases	Ornamentals, vegetables, and fruits, including greenhouse crops	F, P	Efficacy not well studied in PNW production. 4-hr reentry.	Koppert Biological Systems, Inc. 1502 Old US 23 Howell MI 48843 800-928-8827
Ballad Plus	<i>Bacillus pumilus</i> strain QST 2808	<b>Discontinued</b>				
Bayer Advanced Natria Disease Control RTU	<i>Bacillus subtilis</i> strain QST 713	<b>Discontinued</b>				
Bexfond	<i>Bacillus amyloliquefaciens</i> subspecies <i>plantarum</i> strain FZB42	Soilborne diseases incited by <i>Rhizoctonia</i> , <i>Fusarium</i> , <i>Sclerotinia</i> , <i>Verticillium</i> , and <i>Phytophthora</i> spp.	Many crops including vegetables, cereals, herbs, hop, berries, turf, and ornamental crops	F, P	Apply via drench prior to planting, at planting, or immediately after planting; reapply after seedling stage. Apply the suspension within 8 hours of mixing, and ensure the pH remains between 5 and 8.5. Ensure an adequate amount of water is used to allow biofungicide to reach plant roots. 4-hr reentry. O	Corteva Agriscience LLC 9330 Zionsville Road Indianapolis IN 46268

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Bio-Save 10 LP	<i>Pseudomonas syringae</i> strain ESC-10	Postharvest decay: blue mold, gray mold, mucor rot, and potato dry rot and silver scurf	Citrus, cherries, potatoes, and pome fruit	P	For both seed and storage potatoes. On pome, apply prior to waxing. Do not add to chlorinated water. Apply fungicide after applying Bio-Save.	Jet Harvest Solutions P.O. Box 915139 Longwood FL 32791 877-866-5773 Fax 407-298-2377
Bio-Tam	<i>Trichoderma asperellum</i> (ICC 012) and <i>Trichoderma asperellum</i> (ICC 080)	Diseases caused by <i>Armillaria</i> spp., <i>Fusarium</i> spp., <i>Phytophthora</i> spp., <i>Pythium/Globisporangium</i> spp., <i>Rhizoctonia</i> spp., <i>Rosellinia</i> spp., <i>Sclerotinia</i> spp., <i>Sclerotium rolfsii</i> , <i>Thielaviopsis</i> , and <i>Verticillium</i> spp.	For use on fruit, herb, vegetable, nut, and field crops.	F, P	Can be banded or applied as a broad-cast or in-furrow application, trans-plant or cutting dip, and soil spray or drench. 1-hr reentry. O	SePRO Corporation 11550 N. Meridian St., Ste 600 Carmel IN 46032
Bio-Trek	<i>Trichoderma harzianum</i>	<b>Discontinued name</b>				
BlightBan	<i>Pseudomonas fluorescens</i>	<b>Discontinued</b>				
Bloomtime	<i>Pantoea agglomerans</i> strain E325	<b>Discontinued</b>				
Blossom Protect	<i>Aureobasidium pululans</i> strains DSM 14940 and 14941	Fire blight prevention	Pome fruit	F, P	For fire blight management. O	SAN Group Biotech US, Inc. 1260 Avenida Chelsea Vista CA 92081 USA 800-876-2767
Bonide Revitalize Biofungicide	<i>Bacillus amyloliquefaciens</i> strain D747	<b>Discontinued name</b>				
Botector	<i>Aureobasidium pululans</i> DSM 14940 and 14941	Fairly broad spectrum	Pome, grape, berries and stone fruit	F, P	For fruit rot. O	SAN Group Biotech US, Inc. 1260 Avenida Chelsea Vista CA 92081 USA 800-876-2767
BotryStop	<i>Urocladium oudemansii</i> strain U3	Suppression of <i>Botrytis</i> , <i>Sclerotinia</i> , and other pathogens	Field, fruit, nut, ornamental, and vegetable crops	F, P	Efficacy unknown in PNW production 4-hr reentry.	BioWorks, Inc. 100 Rawson Rd. Suite 205 Victor NY 14564 800-877-9443 www.bioworksinc.com
Cease	<i>Bacillus subtilis</i> strain QST 713	Broad spectrum	Ornamentals, vegetables, fruit, greenhouse and nursery crops	Bact, F, P	Applications to production greenhouse tomatoes showed efficacy in Oregon. 4-hr reentry. O	BioWorks, Inc. 100 Rawson Rd, Suite 205 Victor NY 14564 800-877-9443 www.bioworksinc.com
Companion	<i>Bacillus subtilis</i> strain GB03	<i>Rhizoctonia</i> , <i>Pythium/Globisporangium</i> , <i>Fusarium</i> , and <i>Phytophthora</i> spp.	Greenhouse and nursery crops	A, F, P	Efficacy unknown in PNW production. Can be used in conjunction with seed treatment chemicals. 4-hr reentry. O	Plant Health Intermediate, Inc. 1550 East Old 210 Highway Liberty MO 64068 800-648-7626
Contans WG	<i>Coniothyrium minitans</i> strain con/m/91-08	<i>Sclerotinia sclerotiorum</i> and <i>Sclerotinia minor</i>	Vegetables, ornamentals, and row crops in soil	F	Efficacy is fair in PNW production. Spores of <i>C. minitans</i> germinate and attack resting structures (sclerotia). 4-hr reentry. O	Sipcam Agro USA, Inc. 2525 Meridian Parkway Suite 350 Durham NC 27713

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Crescendo	<i>Chromobacterium, subtsugae</i> strain PRAA4-1	For plant parasitic nematode control	Ornamentals, tree fruit, and nut crops	N, P	Can be applied as a soil or plant drench, as an in-furrow application, or through chemigation. 4-hr reentry. O	Albaugh, LLC 1525 NE 36th Street Ankeny IA 50021 <a href="https://www.albaugh.com/us">https://www.albaugh.com/us</a>
DiTera DF	<i>Myrothecium verrucaria</i> strain AARC-0255	For nematode control	Registered for many crops.	N	Little is known about efficacy. O	Valent BioSciences Corporation 870 Technology Way Libertyville IL 60048
Double Nickel formulations	<i>Bacillus amylolique-faciens</i> strain D747	Broad spectrum	Registered for many diseases in many crops.	F, P	Variable efficacy. 4-hr reentry. O	Certis USA, L.L.C. 9145 Guilford Road Suite 175 Columbia MD 21046
EcoSwing	Extract of <i>Swinglea glutinosa</i>	<i>Botrytis</i> , powdery mildew, etc	Many crops	F, P	Efficacy unknown in PNW production. 4-hr reentry. O	Gowan 370 South Main St. Yuma, AZ 85364 <a href="mailto:info@gowanco.com">info@gowanco.com</a> <a href="http://www.gowanco.com/">www.gowanco.com/</a>
Employ formulations	Harpin protein	Activates plant's defense system and suppresses nematode egg production	Fruits, field crops, turf and ornamentals, vegetables, mint, grasses grown for seed, and greenhouse crops	A	Not good on perennial crop diseases. Wettable dry granule for foliar spray; contact all new foliage. Do not use with chlorinated water. Water's pH must be above 5 and below 10. Use product on the same day it is mixed with water and use opened packages within 3 weeks. 4-hr reentry.	Plant Health Care, Inc. 242 South Main St. Ste 216 Holly Spring NC 27540 USA 1-800-421-9051 <a href="http://www.planthealthcare.com">www.planthealthcare.com</a>
Fungisei	<i>Bacillus subtilis</i> strain IAB/BS03	Stimulates pest suppression system	Fruit, field, nut, ornamentals, and vegetable crops	A	Efficacy unknown in PNW production. 4-hr reentry. O	SEIPASA; S.A. C/ Almudevar 2 ES 22240 Tardienta (Huesca) Spain <a href="http://www.seipasa.com">www.seipasa.com</a>
Galltrol-A	<i>Agrobacterium radiobacter</i> strain 84	<i>Agrobacterium tumefaciens</i>	Fruit, nut, and ornamental nursery stock	Bact, P	Root or cutting dip. Not for grape.	AgBioChem, Inc. Orinda CA 510-254-0789 <a href="http://www.agbiochem.com">www.agbiochem.com</a>
Heads Up	Extract of <i>Chenopodium quinoa saponins</i>	Activates plant's defense system	Field crops and tomato	A	Efficacy unknown in PNW production 12-hr reentry. O	Heads Up Plant Protectants, Inc., 3002 Millar Avenue Saskatoon Saskatchewan S7K 5X9 1-866-368-9306
Howler	<i>Pseudomonas chlororaphis</i> strain AFS009	Broad spectrum	For use on fruit, herb, vegetable, ornamentals, and field crops.	P	Can be applied as a foliar spray, soil drench, soil incorporation, banded spray, broadcast, in-furrow, transplant water or tray drench, and seed treatment or a seed piece treatment. 4-hr reentry. O	AgBiome Innovations, Inc. 104 T.W. Alexander Dr. Research Triangle Park NC 27709
Kodiak Concentrate	<i>Bacillus subtilis</i> strain GB-03	<b>Discontinued</b>				

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LALNIX ACT DC (formerly MeloCon WG)	<i>Purpureocillium lilacinus</i> (syn. <i>Paecilomyces lilacinus</i> ) strain 251	For plant parasitic nematode control	Vegetable, herb, hop, fruit, and nut crops	N, P	Some efficacy demonstrated. O	Lallemand Specialties Inc. 6120 W. Douglas Ave. Milwaukee WI 53218 844-590-7781
LALSTOP G46	<i>Clonostachys rosea</i> strain J1446	Broad spectrum	For use on fruit, herb, vegetable, ornamentals, and field crops.	A, F	Can be applied as a foliar spray, soil drench, soil incorporation, banded spray, broadcast, in-furrow, transplant water or tray drench, and seed treatment or a seed piece treatment. 4-hr reentry. O	Lallemand Specialties Inc. 6120 West Douglas Avenue Milwaukee WI 53218 844-590-7781
LALSTOP K61 (formerly Mycostop)	<i>Streptomyces</i> sp. strain K61	Broad spectrum	For use on fruit, herb, vegetable, ornamentals, and field crops.	A, F	Can be applied as a foliar spray, soil drench, soil incorporation, banded spray, broadcast, in-furrow, transplant water or tray drench, and seed treatment or a seed piece treatment. 4-hr reentry. O	Lallemand Specialties Inc., 6120 West Douglas Avenue Milwaukee WI 53218 844-590-7781
LifeGard	<i>Bacillus mycooides</i> isolate J	Activates plant's defense system	Fruit, field, nut and vegetable crops	A, F	Efficacy unknown in PNW production. 4-hr reentry. O	Certis USA LLC 9145 Guilford Road, Suite 175, Columbia MD 21046
Majestene	Dead <i>Burkholderia</i> strain A396	Suppresses nematodes and insects	Strawberry, field and vegetable crops	N	Efficacy unknown in PNW production. 4-hr reentry. Dead <i>Burkholderia</i> strain A396. O	ProFarm, 1540 Drew Ave. Davis CA 95618 <a href="https://marronebio.com/contact/">https://marronebio.com/contact/</a>
MeloCon WG	<i>Paecilomyces lilacinus</i> strain 251	<b>Discontinued name</b> (see LALNIX ACT DC)				
Messenger	Harpin protein	<b>Discontinued name</b>				
Monterey Complete Disease Control	<i>Bacillus amyloliquefaciens</i> strain D747	Broad spectrum	Many crops	E, P	Efficacy unknown in PNW. H O	Lawn and Garden Products P.O. Box 35000 Fresno, CA 93745 <a href="mailto:info@montereylawn-garden.com">info@montereylawn-garden.com</a>
Mycostop formulations	<i>Streptomyces griseoviridis</i> strain K61	<b>Discontinued name</b> (see LALSTOP)				
Natria Disease Control RTU	<i>Bacillus subtilis</i> strain QST 713	Broad spectrum	For use on fruit, herb, vegetable, ornamentals, and nut crops in home gardens.	E, P	Can be applied as a foliar spray. H O	SBM Life Science Corp. 1001 Winstead Drive, Suite 500 Cary, NC 27513 <a href="http://www.BioAdvanced.com">www.BioAdvanced.com</a>
Nexy	<i>Candida oleophila</i> strain O	<i>Botrytis</i> and <i>Penicillium</i>	For apples and pears.	E, P	Postharvest dip or drench.	Lesaffre Yeast Corp. 7475 W. Main Street Milwaukee, WI 53214

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Nogall	<i>Agrobacterium radiobacter</i> strain K102	Crown gall	For use on non-food or non-food bearing plants only.	P	Dip or spray (inoculate) germinating seeds, roots and stems, and cuttings. 4-hr reentry.	BASF Corporation 26 Davis Dr. Research Triangle Park, NC 27709
Norbac	<i>Agrobacterium radiobacter</i>	<b>Discontinued</b>				
Nortica	<i>Bacillus firmus</i> strain I-1582	<b>Discontinued</b>				
Obtego	<i>Trichoderma asperellum</i> (ICC 012) and <i>T. gamsii</i> (ICC 080)	Broad spectrum soilborne diseases	Many crops	F, P	Efficacy unknown in PNW production. 4-hr reentry. O	SePRO Corp. 11550 N. Meridan St. Carmel, IN 46032 www.sepro.com
PlantShield	<i>Trichoderma harzianum</i> Rifai strain T-22	<b>Discontinued (See T-22)</b>				
PreFence	<i>Streptomyces</i> sp. strain K61	<b>Discontinued</b>				
Prestop	<i>Gliocladium catenulatum</i> strain J1446	<b>Discontinued</b>				
Prevont	<i>Bacillus subtilis</i> strain IAB/BS03	<b>Discontinued</b>				
ProAct	Harpin protein	Activates plant's defense system and suppresses nematode egg production	For certain field and vegetable crops.	A	Not good on perennial crop diseases. Wetttable dry granule for foliar spray; contact all new foliage. Do not use with chlorinated water. Water's pH must be above 5 and below 10. Use product on the same day it is mixed with water and use opened packages within 3 weeks. 4-hr reentry.	Plant Health Care, Inc. 242 South Main St, Ste 216 Holly Springs, NC 27540 USA 1-800-421-9051 www.planthealthcare.com
Regalia	Extract of giant knotweed ( <i>Reynoutria sachalinensis</i> )	Activates plant's defense system	Ornamentals, fruit, hop, herbs, nut, and vegetable crops	A	Some activity on mummy berry and powdery mildew. Use on 7-day intervals. Do not combine with other materials without testing compatibility. 4-hr reentry. O	ProFarm, 1540 Drew Ave. Davis CA 95618 <a href="https://marronebio.com/contact/">https://marronebio.com/contact/</a>
Rhapsody AS	<i>Bacillus subtilis</i> strain QST 713	Certain foliar diseases including downy and powdery mildew, <i>Botrytis</i> , and bacterial problems	Various ornamentals and selected greenhouse crops	F, P	Efficacy not well studied in PNW production. Aqueous suspension used as a foliar spray. 4-hr reentry. O	Bayer CropScience LP 800 N. Lindbergh Blvd. St. Louis MO 63167
Rhizopro	<i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> strain FZB24	<b>Discontinued</b>				

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RootShield formulations	<i>Trichoderma harzianum</i> T-22	Root disease caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., <i>Pythium</i> / <i>Globisporangium</i> spp.	Selected ornamentals, vegetables, fruit, nut and greenhouse crops	F, P	For use in the US and Canada as soil applications (drench, in soil furrow, potting soil and broadcast) and seed treatments. See label for reentry restrictions. O	BioWorks, Inc. 100 Rawson Rd., Suite 205 Victor NY 14654 800-877-9443 www.bioworksbio-control.com
RootShield Plus formulations	<i>Trichoderma harzianum</i> Rifai strain T-22 and <i>Trichoderma virens</i> strain G-41	Root diseases caused by <i>Rhizoctonia solani</i> , <i>Fusarium</i> spp., and <i>Pythium</i> / <i>Globisporangium</i> spp.	For use on food crops, ornamentals, landscape plants, and ornamental trees, including tree seedlings	F, P	For use in soil applications (drench, in soil furrow, potting soil and broadcast) and seed treatments. See label for reentry restrictions. O	BioWorks, Inc. 100 Rawson Rd., Suite 205 Victor NY 14654 800-877-9443 www.bioworksbio-control.com
Serenade formulations	<i>Bacillus subtilis</i> strain QST 713	Gray mold, powdery mildews, and other foliar diseases	Fruit, vegetable, field, and selected greenhouse crops	F, P	Medium powdery mildew control but poor on mummy berry. Wetttable powder as a foliar spray. 4-hr reentry. O	Bayer CropScience LP 800 N. Lindbergh Blvd. St. Louis MO 63167
Serifel formulations	<i>Bacillus amyloliquefaciens</i> strain MBI 600	Broad spectrum	For use on fruit, herb, vegetable, nut, and field crops.	F, P	Can be applied as a foliar spray, a directed or banded spray, a soil or plant drench, as an in-furrow application, or through chemigation. 4-hr reentry.	BASF Corporation 26 Davis Drive Research Triangle Park NC 27709
SoilGard	<i>Gliocladium virens</i> strain GL-21	Damping-off or root rot caused by <i>Rhizoctonia</i> and <i>Pythium</i> / <i>Globisporangium</i> spp.	For use on food crops and ornamentals in greenhouses, nurseries, interiorscapes, and outdoors	F, P	For use in soil applications (drench, root dip, through irrigation, potting soil and broadcast). No reentry restrictions. O	Certis USA, L.L.C. 9145 Guilford Rd. Suite 175 Columbia MD 21046
Sonata	<i>Bacillus pumilus</i> strain QST 2808	A wide range of foliar diseases	Fruit, nut, vegetable, field, and selected greenhouse crops	F, P	Liquid formulation used as a foliar spray. 4-hr reentry.	Bayer CropScience LP 800 N. Lindbergh Blvd. St. Louis MO 63167
Spot-Less	<i>Pseudomonas aureofaciens</i>	<b>Discontinued</b>				
Stargus	<i>Bacillus amyloliquefaciens</i> strain F727	Broad-spectrum biofungicide/ bactericide	Vegetable, small fruit, and ornamental crops	F, P	Efficacy unknown in PNW production. 4-hr reentry. O	ProFarm 1540 Drew Ave. Davis CA 95618 <a href="https://marronebio.com/contact/">https://marronebio.com/contact/</a>
Subtilex NG	<i>Bacillus subtilis</i> strain MBI 600	Root disease caused by <i>Fusarium</i> , <i>Rhizoctonia</i> , and <i>Pythium</i> / <i>Globisporangium</i> spp. as well as powdery mildews	Greenhouse flowers and selected greenhouse vegetables	F, P	Efficacy unknown in PNW production but found not effective in two trials out of Connecticut. 4-hr reentry. O	BASF Corporation 26 Davis Drive Research Triangle Park NC 27709
T-22	<i>Trichoderma harzianum</i> Rifai strain T-22	<b>Discontinued name</b>				
Taegro 2	<i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> strain FBZ24	For suppression of certain soilborne diseases caused by <i>Fusarium</i> and <i>Rhizoctonia</i>	Fruit, vegetable, field, ornamentals, and selected greenhouse crops	F, P	Efficacy not well studied in PNW production. Wetttable powder as a foliar spray, dip, or drench. 24-hr reentry unless soil incorporated. O	Novozymes Biologicals Inc. 5400 Corporate Circle Salem VA 24153 888-744-5662
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Tenet WP	<i>Trichoderma asperellum</i> (ICC 012) and <i>Trichoderma gamsii</i> (ICC 080)	For protection against a number of soilborne pathogens	Fruit, herb, vegetable, crops, nut, turf, and ornamentals	F, P	Can be banded or applied as a broadcast or in-furrow application, trans-plant or cutting dip, and soil spray or drench. 1-hr reentry. O	Gowan Co. LLC PO Box 5569 Yuma, AZ 85366-5569
Theia	<i>Bacillus subtilis</i> strain AFS032321	Broad spectrum	For use on fruits, vegetables, hemp, hop, nuts, and field crops.	F, P	Can be applied as a foliar spray, a directed or banded spray, a soil or plant drench, root dip or tray drench, as an in-furrow application, or through chemigation. 4-hr reentry.	AgBiome Innovations, Inc. 104 T.W. Alexander Drive, Research Triangle Park, NC 27709
TopShield	<i>Trichoderma harzianum</i>	<b>Discontinued</b>				
Triatum-P	<i>Trichoderma harzianum</i> Rifai strain KRL-AG2	For protection against a number of soilborne pathogens	Fruits, vegetables, and field crops.	F, P	Can be applied as a seed treatment, soil or plant drench, root dip or tray drench, in-furrow application, or through chemigation. 4-hr reentry.	Koppert Biological Systems, Inc. 1502 Old US 23 Howell MI 48843 800-928-8827
Triathlon BA	<i>Bacillus amyloliquefaciens</i> strain D747	Broad spectrum	Agricultural crops, ornamental, and nursery plants, and turfgrass	F, P	Ground, aerial, or chemigation. O	OHP, Inc. PO Box 551230 Mainland PA 19451 (800) 356-4647
Vacciplant	Laminarin	Stimulates pest suppression system	For use on fruit, herb, hop, vegetable, ornamentals, and field crops	A	Efficacy unknown in PNW production. 4-hr reentry.	Arysta Lifescience North America, LLC 15401 Weston Parkway, Suite 150 Cary NC 27513
Victus	<i>Pseudomonas fluorescens</i>	Bacterial pathogens	For mushroom production	Bact.	Not currently registered in Oregon. Can be applied as a foliar spray.	Mauri Laboratories Pty Ltd. 9 Moorebank Avenue; Moorebank NSW 2170 Australia
WRC-AP-1	<i>Gliocladium virens</i> strain GL-21	<b>Discontinued</b>				
Zelto	Heat-killed <i>Burkholderia</i> spp. strain A396	For plant parasitic nematode control	Ornamentals, trees, and turf	N, P	Can be applied as a broadcast, soil drench, in-furrow application, or through chemigation. 4-hr reentry. O	ProFarm, 1540 Drew Ave. Davis CA 95618 <a href="https://marronebio.com/contact/">https://marronebio.com/contact/</a>
Zen-O-Spore	<i>Urocladium oudemansii</i> strain U3	<b>Discontinued</b>				
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Zio	<i>Pseudomonas chlororaphis</i> strain AFS009	Broad spectrum	For use on turfgrass and landscapes, on vegetable and fruit transplants, and on landscape and ornamental transplants.	F	Can be applied as a foliar spray, soil drench, in furrow spray, transplant spray or dip, cuttings or bare root dip, hydroponic or chemigation application in field, greenhouse, interiorscape, lathhouse, nursery, or shadehouse use sites. It may also be mixed with potting mix or applied dry in furrow.	SePRO Corporation 11550 North Meridian Street, Suite 600 Carmel IN 46032

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