



## Pest Management Centre

### Progress Status Report for Biopesticide Projects and Submissions

As of: February 1, 2016

Note: Updated information since 23-November-15 in the Status Column is bolded and italicized

See legend below for explanation of the Project/Product Status

Crop	Pest(s)	Product	Active ingredient	Project ID	Project/Product Status
Agricultural Soils	Sclerotinia	Contans WG	Coniothyrium minitans CON/M/91-08	BPI-110	On label
Alfalfa	Weevils	beetleGONE!	Bacillus thuringiensis galleriae	BPR14-01	Data with registrant for submission
Alfalfa	Botrytis	Serenade ASO	Bacillus subtilis QST 713	BPR13-02	<b><i>Preparing submission</i></b>
Apple	Apple maggot	GF-120	spinosad	BPI-120	On label
Apple, Pear	Fireblight	BlightBan A506	Pseudomonas fluorescens A506	BPI-050	On label
Apple, Pear	Fire blight	BlightBan C9-1	Pantoea agglomerans C9-1	BPI-060	On label
Apple, Pear	Fire blight	BloomTime	Pantoea agglomerans E325	BPI-070	On label
Bee hives	varroa mite	Apilife VAR	thymol, eucalyptus oil, menthol	BPR15-01	<b><i>Reporting phase</i></b>
Bee hives	varroa mite	Hop Guard II	Potassium salts of hop beta acids	BPR16-03	Project initiated
Blueberry	Monolinia, mummy berry	Serenade Max	Bacillus subtilis QST 713	BPI-221	On label
Blueberry, lowbush (organic)	Weeds	AEF-1201	Pine Oil	BPR13-03	Data with registrant for submission
Canola	Diamond back moth	Xentari	B. thuringiensis aizawai	BPR12-03	On label
Carrot	Nematode	Dazitol	Mustard oil, Oleoresin of Capsicum	BPR13-05	Submitted to PMRA
Cherry	Cherry fruit fly	Naturalis L	Beauveria bassiana ATCC 74040	BPR11-04	Submitted to PMRA
Chrysanthemum	Thrips	Met52 Granular Bioinsecticide	Metarhizium anisopliae F52	BPR11-06	On label
Cranberry	Sedges & rushes	Vanish	acetic acid	BPR12-01	Submitted to PMRA by registrant
Cucumber greenhouse	Thrips	SorbiShield	Sorbitol Octanoate	BPR12-05	Project withdrawn
Cucumber, greenhouse	Powdery mildew	Organocide	Sesame Oil	BPR12-06	Data with registrant for submission



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First time registration (Cat A)	various use patterns	Agriphage	Bacteriophages	BPI-010	On label
First time registration (Cat A)	various use patterns	Bartlett Superior 70 Oil	Mineral oil	BPI-020	On label
First time registration (Cat A)	various use patterns	To be determined	Bacteriophages (Vineland)	BPI-030	Project on hold
First time registration (Cat A)	various use patterns	BioSave 10LP	Pseudomonas syringae ESC10	BPI-040	On label
First time registration (Cat A)	various use patterns	Botanigard 22WP	Beauveria bassiana GHA	BPI-090	On label
First time registration (Cat A)	various use patterns	Botanigard ES	Beauveria bassiana GHA	BPI-100	On label
First time registration (Cat A)	various use patterns	Heads Up Plant Protectant	Saponins of Chenopodium quinoa	BPI-130	On label
First time registration (Cat A)	various use patterns	Met52 Granular Bioinsecticide	Metarhizium anisopliae F52	BPI-140	On label
First time registration (Cat A)	various use patterns	Milstop	Potassium bicarbonate	BPI-150	On label
First time registration (Cat A)	various use patterns	Metarhizium S54	Metarhizium anisopliae strain S54	BPI-160	Project on hold
First time registration (Cat A)	various use patterns	Prestop	Gliocladium catenulatum strain J1446	BPI-170	On label
First time registration (Cat A)	various use patterns	Regalia MAXX	Giant knotweed extract	BPI-180	On label
First time registration (Cat A)	various use patterns	Rhapsody	Bacillus subtilis QST 713	BPI-190	On label
First time registration (Cat A)	various use patterns	Root Shield Granules	Trichoderma harzianum Rifai strain KRL-AG2	BPI-200	On label



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First time registration (Cat A)	various use patterns	RootShield HC	Trichoderma harzianum Rifai strain KRL-AG2	BPI-210	On label
First time registration (Cat A)	various use patterns	Serenade Max	Bacillus subtilis QST 713	BPI-220	On label
First time registration (Cat A)	various use patterns	Grotek Ascend Vaporized Sulphur	Sulphur	BPI-230	On label
First time registration (Cat A)	various use patterns	Timorex Gold	Tea tree oil	BPI-250	On label
Herbs (organic)	Weeds	MBI-005	Streptomyces acidiscabies RL	BPR14-04	Project withdrawn
Hops	Downy mildew	Regalia MAXX	Extract of Reynoutria sachalinensis	BPR12-041	Submitted to PMRA by registrant
Hops	Downy mildew	Actinovate	Streptomyces lydicus	BPR12-042	Reporting Phase
Hops	Downy mildew	Organocide	Fish oil & sesame oil	BPR12-043	Data with registrant for submission
Onion	Onion thrips	Met52 Granular Bioinsecticide	Metarhizium anisopliae F52	BPR11-03	Project withdrawn
Orchards	insect pests	Quassia Extract DM	Quassia amara extract	BPR15-02	<b>Reporting phase</b>
Ornamentals (gerbera), greenhouse	Powdery mildew (Podosphaera fusca)	Cyclone	Citric acid and lactic acid	BPR14-073	<b>Submitted to PMRA by registrant</b>
Ornamentals, greenhouse	Thrips	Suffoil-x	paraffinic oil	BPR12-07	Submitted to PMRA
Ornamentals, outdoor and indoor	Foliar diseases	Rhapsody	Bacillus subtilis QST 713	BPR11-08	On label



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Ornamentals, greenhouse and outdoor	Liverwort	Mosskade	Wheat gluten suspension stabilised with plant oil, lactic acid and other plant originated food additives	BPR16-04	Project initiated
Pepper, greenhouse	Botrytis grey mold	Fracture	blad protein	BPR14-05	Preparing submission
Pepper, greenhouse	Thrips	Grandevo (MBI-203)	Chromobacterium subtsugae	BPR13-06	Submitted to PMRA by registrant
Pepper, greenhouse	Thrips	Naturalis L	Beauveria bassiana ATCC 74040	BPR11-05	Submitted to PMRA
Poinsettia (greenhouse Ornamentals)	Whiteflies	Grandevo (MBI-203)	Chromobacterium subtsugae	BPR13-07	Submitted to PMRA by registrant
Pome fruits, ornamentals	Fire blight	Blossom Protect	Aureobasidium pullulans DSM 14940 & DSM14940	BPI-080	On label
Potato	Silver scurf	BioSave 10LP	Pseudomonas syringae ESC10	BPI-041	On label
Raspberry	Nematode	Dazitol	Mustard oil, Oleoresin of Capsicum	BPR13-04	Submitted to PMRA
Strawberry	Nematode	MeloCon/Bioact	Paecilomyces lilacinus	BPR14-03	<b>Project withdrawn</b>
Strawberry	Tarnished plant bug	Naturalis L	Beauveria bassiana ATCC 74040	BPR12-02	Submitted to PMRA
Sunflower	Head rot, white mold	Regalia MAXX	Extract of Reynoutria sachalinensis	BPR14-02	Project withdrawn
Sweet Potato	Rhizopus soft rot (Rhizopus stolonifer)	BioSave 10LP	Pseudomonas syringae ESC10	BPI-042	On label
Taxus or Thuja (Outdoor Ornamentals)	Scale Insects	Grandevo (MBI-203)	Chromobacterium subtsugae	BPR13-08	Submitted to PMRA by registrant
Tomato, greenhouse	Botrytis	Donguard	Clonostachys rosea ACM941	BPR11-02	Data with registrant for submission
Tomato, greenhouse	Pepino mosaic virus	V10	Pepino Mosaic Virus vaccine	BPR16-05	<b>Project initiated</b>
Turf	European chafer, Japanese beetle, June beetle grubs	grubGONE!	Bacillus thuringiensis galleriae	BPR14-08	Data with registrant for submission



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Turf (sod, golf course)	Hairy chinch bug	Grandevo (MBI-203)	Chromobacterium subsugae	BPR12-08	Submitted to PMRA by registrant
Various crops	Leafhoppers	Surround WP Crop Protectant	Kaolin clay	BPI-240	On label
Various crops (field vegetables, berries, ornamental, turf)	Insects including spider mites, thrips, white fly, spotted wing drosophila, possibly aphids and scales	Bioceres	Beauveria bassiana strain ANT-3	BPR16-01	<b>Reporting phase</b>
Various crops (small fruits, tree fruit, vegetables)	Spider mites, thrips, white fly, spotted wing drosophila	Ecotrol	Rosemary oil & peppermint oil & Geraniol/nerol	BPR16-02	<b>Reporting phase</b>
Vegetables, greenhouse	Greenhouse insects (bee vectored application)	Botanigard 22WP	Beauveria bassiana GHA	BPI-091	On label
Vegetables and ornamentals	Botrytis grey mold	Botector	Aureobasidium pullulans DSM 14940 and DSM 14941	BPR15-04	Submitted to PMRA
Vegetables, fruit, pulse crops, ornamentals	Botrytis grey mould, white mould, powdery mildews, and bacterial blight	Oxidate	hydrogen peroxide	BPR15-03	<b>Submitted to PMRA</b>
Wasabi, geenhouse	Aphids	PureSpray GREEN Spray Oil 13E	mineral oil	BPR14-06	Reporting phase
Wheat	Broadleaf weeds	Phoma P	Phoma macrostoma	BPR11-01	Project on Hold
Wheat	Fusarium head blight	Donguard	Clonostachys rosea ACM941	BPR11-07	Data generation
Wheat, spring	Cleavers	MBI-005	Streptomyces acidiscabies RL	BPR13-01	Project withdrawn



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### Legend:

**Data generation:** Efficacy field trials are in process of being conducted

**Data with registrant for submission:** The data generated through project has been sent to the registrant for submission

**On label:** The product is registered

**PMRA approved:** The PMRA review is complete and approved the use

**Project complete:** All data requirements within a project are complete

**Project initiated:** Project planning and establishment are in process

**Project on hold:** Specific issues need to be addressed

**Project withdrawn:** Support for this project has been withdrawn by the registrant or as a result of a change from the original selected

**Reporting phase:** Data resulting from field trials and/or other sources are being summarized and compiled for submission

**Submitted to PMRA:** Data generated has been submitted to PMRA by Pest Management Centre