



**US Environmental Protection Agency
Office of Pesticide Programs**

**Registration Review Cases for Round 1:
Microbial Pesticides**

July 2017

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

1 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6050	Trichoderma species	119200	#N/A	Dried fermentation solids and solubles resulting from fermentation of Trichoderma harzianum isolate T-39, containing T-39 fungus propagules, as either conidia or mycelia	04/11/07	1	1
6050	Trichoderma species	119202	67892-31-3	Trichoderma harzianum Rifai (variety); KRL-AG2 (strain)	04/11/07	1	2
6050	Trichoderma species	128903	67892-34-6	Trichoderma viride (ATCC 20476)	04/11/07	1	3
6050	Trichoderma species	128902	#N/A	Trichoderma polysporum (ATCC 20475)	04/11/07	1	4
6007	Pseudomonas syringae	006411	68602-93-7	Pseudomonas Syringae 742RS	09/27/07	2	5
6007	Pseudomonas syringae	006441	68583-32-4	Pseudomonas syringae, strain ESC-10	09/27/07	2	6
6007	Pseudomonas syringae	006451	#N/A	Pseudomonas syringae, strain ESC-11	09/27/07	2	7
6006	Pseudomonas fluorescens	006438	#N/A	Pseudomonas fluorescens A506 (previously coded 006418)	09/27/07	3	8

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

2 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6006	Pseudomonas fluorescens	006439	#N/A	Pseudomonas fluorescens 1629RS	09/27/07	3	9
4104	Nosema locustae	117001	#N/A	Nosema locustae	12/12/07	4	10
6012	Bacillus subtilis	006479	#N/A	QST 713 strain of bacillus subtilis	03/28/08	5	11
6012	Bacillus subtilis	006480	#N/A	Bacillus subtilis var. amyloliquefaciens Strain FZB24	03/28/08	5	12
6012	Bacillus subtilis	129068	#N/A	Bacillus subtilis GB03	03/28/08	5	13
6012	Bacillus subtilis	129082	#N/A	Bacillus subtilis MBI 600	03/28/08	5	14
6018	Ampelomyces quisqualis	021007	#N/A	Ampelomyces quisqualis isolate M-10	12/24/08	6	15
6019	Candida oleophila	021008	#N/A	Candida oleophila isolate I-182	12/24/08	7	16
6066	Streptomyces griseoviridis	129069	#N/A	Streptomyces griseoviridis strain K61	09/30/09	8	17

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

3 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6024	Metarhizium anisopliae	029056	#N/A	Metarhizium anisopliae strain F52 spores	09/30/09	9	18
6024	Metarhizium anisopliae	129056	67892-13-1	Metarhizium anisopliae Strain ESF1	09/30/09	9	19
6001	Encapsulated Bt proteins	006409	#N/A	Delta endotoxin of Bacillus thuringiensis variety kurstaki encapsulated in killed Pseudomonas fluorescens	12/28/09	10	20
6001	Encapsulated Bt proteins	006457	#N/A	A blend of CryIA(c) and CryIC derived*delta endotoxins of Bacillus thuringiensis encapsulated in killed pseudomonas fluorescens (*Patent pending)	12/28/09	10	21
4101	Agrobacterium radiobacter	006474	#N/A	Agrobacterium radiobacter strain K1026	03/31/10	11	22
4101	Agrobacterium radiobacter	114201	#N/A	Agrobacterium radiobacter (strain K84)	03/31/10	11	23
6020	Gliocladium species	021009	#N/A	Gliocladium catenulatum strain J1446	07/02/10	12	24
6020	Gliocladium species	129000	#N/A	Gliocladium virens G-21	07/02/10	12	25

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

4 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6057	Beauveria bassiana	128815	#N/A	Beauveria bassiana strain 447	09/29/10	13	26
6057	Beauveria bassiana	128818	#N/A	Beauveria bassiana ATCC 74040	09/29/10	13	27
6057	Beauveria bassiana	128924	#N/A	Beauveria bassiana GHA	09/29/10	13	28
6057	Beauveria bassiana	090305	63428-82-0	Beauveria bassiana strain HF23	09/29/10	13	29
6068	Lagenidium giganteum	129084	#N/A	Lagenidium giganteum, mycelium or oospores	03/30/11	14	30
6300	Alternaria destruens	028301	#N/A	Alternaria destruens	03/30/11	15	31
6513	ZYMV	244201	#N/A	Zucchini Yellow Mosaic Virus-Weak Strain	03/30/11	16	32
6053	Bacillus cereus	119802	#N/A	Bacillus cereus strain UW85	06/29/11	17	33
4106	NPV (insect viruses)	107300	#N/A	Polyhedral occlusion bodies (OBs) of the nuclear polyhedrosis virus of Helicoverpa zea (corn earworm)	09/30/11	18	34

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

5 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
4106	NPV (insect viruses)	107301	#N/A	Use code no. 107300	09/30/11	18	35
4106	NPV (insect viruses)	107302	#N/A	Polyhedral inclusion bodies of Douglas fir tussock moth nucleopolyhedrosis virus	09/30/11	18	36
4106	NPV (insect viruses)	107303	#N/A	Polyhedral inclusion bodies of gypsy moth nucleopolyhedrosis virus	09/30/11	18	37
4106	NPV (insect viruses)	108896	#N/A	Indian meal moth granulosis virus and larval parts on milled wheat bran carrier	09/30/11	18	38
4106	NPV (insect viruses)	127885	#N/A	Anagrapha falcifera multi-nuclear polyhedrosis virus polyhedral inclusion bodies in aqueous suspension	09/30/11	18	39
4106	NPV (insect viruses)	129078	#N/A	Polyhedral occlusion bodies of the beet armyworm nuclear polyhedrosis virus	09/30/11	18	40
4106	NPV (insect viruses)	129090	#N/A	Cydia pomonella granulosis virus	09/30/11	18	41
247	BT	006400	68038-71-1	Bacillus thuringiensis (Berliner)	09/30/11	19	42

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

6 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
247	BT	006401	68038-71-1	Bacillus thuringiensis subsp. israelensis	09/30/11	19	43
247	BT	006402	68038-71-1	Bacillus thuringiensis subsp. kurstaki	09/30/11	19	44
247	BT	006403	#N/A	Bacillus thuringiensis subsp. aizawai	09/30/11	19	45
247	BT	006405	#N/A	Bacillus thuringiensis subsp. tenebrionis	09/30/11	19	46
247	BT	006407	#N/A	Bacillus thuringiensis subsp. kurstaki strain BMP123	09/30/11	19	47
247	BT	006423	#N/A	Bacillus thuringiensis subsp. kurstaki strain EG2371	09/30/11	19	48
247	BT	006424	#N/A	Bacillus thuringiensis subsp. kurstaki strain EG2348	09/30/11	19	49
247	BT	006426	#N/A	Bacillus thuringiensis subsp. aizawai strain GC-91	09/30/11	19	50
247	BT	006447	#N/A	Bacillus thuringiensis sub. kurstaki strain EG7673 Lepidopteran active toxin	09/30/11	19	51

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

7 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
247	BT	006452	#N/A	Bacillus thuringiensis var. kurstaki strain M-200 protein toxin	09/30/11	19	52
247	BT	006453	#N/A	Bacillus thuringiensis subspecies kurstaki strain EG7841 Lepidopteran active toxin	09/30/11	19	53
247	BT	006459	#N/A	Bacillus thuringiensis subspecies kurstaki, strain EG7826 Lepidopteran active toxin	09/30/11	19	54
247	BT	006476	#N/A	Bacillus thuringiensis subspecies israelensis strain EG2215	09/30/11	19	55
247	BT	006494	#N/A	Bacillus thuringiensis subsp. aizawai, strain NB200	09/30/11	19	56
247	BT	006518	#N/A	Bt kurstaki strain SA-12	09/30/11	19	57
247	BT	006519	#N/A	Bt kurstaki strain SA-11	09/30/11	19	58
247	BT	006520	#N/A	Bt israelensis strain BMP 144	09/30/11	19	59

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

8 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
247	BT	006522	#N/A	Bt kurstaki strain ABTS-351	09/30/11	19	60
247	BT	006523	#N/A	Bt aizawai strain ABTS-1857	09/30/11	19	61
247	BT	006524	#N/A	Bt tenebrionis strain NB-176	09/30/11	19	62
247	BT	069210	#N/A	Bt israelensis strain SA3A	09/30/11	19	63
247	BT	069162	#N/A	Bt israelensis strain AM 65-52	09/30/11	19	64
6013	Puccinia thlaspeos	006489	#N/A	Puccinia thlaspeos 'woad strain' on rust- infected pieces of dyer's woad	09/30/11	20	65
6047	Paecilomyces species	028826	#N/A	Paecilomyces lilacinus strain 251 (A filamentous fungus)	07/06/12	21	66
6047	Paecilomyces species	115002	#N/A	Paecilomyces fumosoroseus Apopka Strain 97	07/06/12	21	67
6505	Potato replicase	006469	#N/A	Potato leafroll virus (PLRV) replicase protein as produced in potato plants	07/06/12	22	68

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

9 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6009	Pseudomonas aureofaciens	006473	#N/A	Pseudomonas aureofaciens strain Tx-1	07/06/12	23	69
6010	Harpin proteins	006506	#N/A	Harpin alpha beta protein	09/26/12	24	70
6015	Bacillus pumilus	006485	#N/A	Bacillus pumilus QST 2808	12/24/12	25	71
6015	Bacillus pumilus	006493	#N/A	Bacillus pumilus GB34	12/24/12	25	72
6052	Bacillus sphaericus	119801	143447-72-7	Bacillus sphaericus	03/27/13	26	73
6022	Coniothyrium species	028836	#N/A	Coniothyrium minitans strain CON/M/91-08 (A filamentous fungus)	06/26/13	27	74
6051	Myrothecium species	119204	#N/A	Dried fermentation solids & solubles of myrothecium verrucaria	09/25/13	28	75
6014	Bacillus licheniformis	006492	#N/A	Bacillus licheniformis SB3086	03/28/14	29	76
6088	Streptomyces lydicus WYEC 108	006327	#N/A	Streptomyces lydicus WYEC 108	09/24/14	30	77

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

10 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6049	Pseudozyma flocculosa	119196	#N/A	Pseudozyma flocculosa	12/20/14	31	78
6011	Pseudomonas chlororaphis	006478	#N/A	Pseudomonas chlororaphis strain 63-28	12/20/14	32	79
6091	Chondrostereum purpureum	081308	#N/A	Chondrostereum purpureum isolate PFC 2139, ATCC 60854	03/30/15	33	80
6008	Aspergillus flavus	006456	#N/A	Aspergillus flavus 36 colonized wheat seed	06/24/15	34	81
6008	Aspergillus flavus	006500	#N/A	Aspergillus flavus NRRL 21882	06/24/15	34	82
6087	Trypsin modulating oostatic factor	105403	#N/A	Trypsin Modulating Oostatic Factor (TMOF)	06/24/15	35	83
6501	Bt corn lepidopteran	006430	#N/A	Bacillus thuringiensis subsp. kurstaki strain HD1 delta-endotoxin as produced in corn by a cry1A(b) gene and its controlling sequences	10/07/15	36	84

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

11 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6501	Bt corn lepidopteran	006444	#N/A	Bacillus thuringiensis CryIA(b) delta-endotoxin and the genetic material necessary for its production (plasmid vector pZ01502) in corn, when used as a plant pesticide in all raw agricultural commodities of field corn, sweet corn and popcorn.	10/07/15	36	85
6501	Bt corn lepidopteran	006481	#N/A	Bacillus thuringiensis Cry 1F protein and the genetic material necessary for its production (plasmid insert PHI 8999)in corn	10/07/15	36	86
6501	Bt corn lepidopteran	006491	#N/A	Bacillus thuringiensis moCry 1F insecticidal protein and the genetic material necessary for its production in maize	10/07/15	36	87
6509	Xanthomonas campestris pv. vesicatoria (bacteriophage)	006449	#N/A	Xanthomonas campestris pv. vesicatoria (bacteriophage)	01/11/16	37	88
6510	Pseudomonas syringae pv. tomato (bacteriophage)	006521	#N/A	Pseudomonas syringae pv. tomato (bacteriophage)	01/11/16	38	89
4102	Bacillus popilliae	054501	#N/A	Bacillus popilliae and B. lentimorbus	04/11/16	39	90
4102	Bacillus popilliae	054502	#N/A	Spores of bacillus popilliae	04/11/16	39	91

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

12 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6091	Chondrostereum purpureum	081309	#N/A	Chondrostereum purpureum strain HQ1, IDAC accession #090502-01,	07/14/16	39	92
6502	Bt corn coleopteran	006490	#N/A	Bacillus thuringiensis Cry34Ab1 and Cry35Ab1 proteins and the genetic material necessary for their production in corn	07/14/16	40	93
6502	Bt corn coleopteran	006484	#N/A	Bacillus thuringiensis Cry3Bb protein and the genetic material necessary for its production (Vector ZMIR 13L) in corn	07/14/16	40	94
6502	Bt corn coleopteran	006498	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material necessary (vector ZMIR39) for its production in corn	07/14/16	40	95
6502	Bt corn coleopteran	006498	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material (vector VZMIR39) necessary for its production in corn	07/14/16	40	96
6502	Bt corn coleopteran	006509	#N/A	Bacillus thuringiensisCry3A	07/14/16	40	97
6508	Verticillium dahliae Isolate WCS 850	081305	#N/A	Verticillium dahliae Isolate WCS 850	07/15/16	41	98

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

13 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
6503	Bt potato coleopteran	006432	#N/A	Bacillus thuringiensis subspecies tenebrionis delta endotoxin as produced in potato by Cry IIIA gene and its controlling sequences and found in the following constructs:PV-STBT02, PV-STBT04, and PV-STMT01, IR-22,	07/17/16	42	99
6504	Bt cotton lepidopteran	006445	#N/A	Bacillus thuringiensis var. kurstaki delta endotoxin protein as produced by the Cry1A(c) gene and its controlling sequences	11/03/16	43	100
6504	Bt cotton lepidopteran	006487	#N/A	Bacillus thuringiensis Cry2Ab protein and the genetic material necessary for its production (vector GHBK11) in cotton	11/03/16	43	101
6504	Bt cotton lepidopteran	006512	#N/A	Cry1F Bt Cotton Event 281	11/03/16	43	102
6504	Bt cotton lepidopteran	071326	#N/A	Cry1Ac Bt cotton Event 3006	11/03/16	43	103
4105	Phytophthora palmivora	111301	#N/A	Live Chlamydospores of Phytophthora palmivora MWV	11/03/16	44	104
4103	Colletotrichum gloeosporioides	226300	#N/A	Colletotrichum gloeosporioides f. sp. aeshynomene ATCC 20358	04/10/17	45	105

7/17/2017

EPA/OPP Microbial Pesticide Cases:
Registration Review Schedule

14 of 14

Reg Rev Case #	Registration Review Case Name	PC Code	CAS #	Active Ingredient Name	Docket Opened	Case Count	AI Count
4103	Colletotrichum gloeosporioides f. sp. aeschynomene ATCC 20358	226300	#N/A	Colletotrichum gloeosporioides f. sp. aeschynomene ATCC 20358	04/10/17	45	106
6303	Muscodor albus QST 20799	006503	#N/A	Muscodor albus strain QST 20799	*	46	107
6506	Pantoea agglomerans strain C9-1	006470	#N/A	Pantoea agglomerans St (9-1)	*	47	108
6507	Pantoea agglomerans strain E325	006511	#N/A	Pantoea agglomerans strain E325; NRRL B-21856	*	48	109
6511	Pythium oligandrum DV74	028816	#N/A	Pythium oligandrum DV74	*	49	110
Cases	49	Actives	110				