



**Registration Review:
Microbial Cases Schedule:
2009-2012**

December 17, 2008

12/17/2008

EPA/OPP Microbial Pesticide Cases:
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(A) Reg Rev Case #	(B) Registration Review Case Name	(C) RED Case #	(D) PC Code	(E) CAS #	(F) Active Ingredient Name	(G) Chem Class	(H) Schedule Change	(I) Baseline Date	(J) First Registered	(K) RED Status	(L) RED Status Date	(M) Fiscal Yr Scheduled	(N) Docket Opened	(O) Final Work Plan	(P) Case Count	(Q) 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			07/24/89	05/30/96			2007	04/11/07	08/24/07	1	1
6050	Trichoderma species		119202	67892-31-3	Trichoderma harzianum Rifai (variety); KRL-AG2 (strain)			07/24/89	05/21/93			2007	Same	Same	1	2
6050	Trichoderma species		128902	#N/A	Trichoderma polysporum (ATCC 20475)			07/24/89	07/24/89			2007	Same	Same	1	3
6050	Trichoderma species		128903	67892-34-6	Trichoderma viride (ATCC 20476)			07/24/89	07/24/89			2007	Same	Same	1	4
6007	Pseudomonas syringae		006411	68602-93-7	Pseudomonas Syringae 742RS		*	09/06/92	09/06/92			2007	09/27/07	01/03/08	2	5
6007	Pseudomonas syringae		006441	68583-32-4	Pseudomonas syringae, strain ESC-10		*	09/06/92	04/14/94			2007	Same	Same	2	6
6007	Pseudomonas syringae		006451	#N/A	Pseudomonas syringae, strain ESC-11		*	09/06/92	05/09/96			2007	Same	Same	2	7
6006	Pseudomonas fluorescens		006438	#N/A	Pseudomonas fluorescens A506 (previously coded 006418)		*	09/16/92	09/16/92			2007	09/27/07	01/03/08	3	8
6006	Pseudomonas fluorescens		006439	#N/A	Pseudomonas fluorescens 1629RS		*	09/16/92	09/16/92			2007	Same	Same	3	9
6012	Bacillus subtilis		006479	#N/A	QST 713 strain of bacillus subtilis			07/09/92	06/20/00			2008	03/28/08	07/30/08	4	10
6012	Bacillus subtilis		006480	#N/A	Bacillus subtilis var. amyloliquefaciens Strain FZB24			07/09/92	01/20/00			2008	Same	Same	4	11
6012	Bacillus subtilis		129068	#N/A	Bacillus subtilis GB03			07/09/92	07/09/92			2008	Same	Same	4	12
6012	Bacillus subtilis		129082	#N/A	Bacillus subtilis MBI 600			07/09/92	11/25/98			2008	Same	Same	4	13
4104	Nosema locustae	4104	117001	#N/A	Nosema locustae			09/01/92	03/25/82	Completed	09/01/92	2008	12/12/07	03/18/08	5	14
6066	Streptomyces griseoviridis		129069	#N/A	Streptomyces griseoviridis strain K61			04/13/93	04/13/93			2009			6	15
6024	Metarhizium anisopliae		029056	#N/A	Metarhizium anisopliae strain F52 spores			05/07/93	06/06/03			2009			7	16
6024	Metarhizium anisopliae		129056	67892-13-1	Metarhizium anisopliae Strain ESF1			05/07/93	05/07/93			2009			7	17

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6018	Ampelomyces quisqualis	021007	#N/A	Ampelomyces quisqualis isolate M-10	06/17/94	06/17/94	2009	N/A	8	18
6019	Candida oleophila	021008	#N/A	Candida oleophila isolate I-182	02/15/95	02/15/95	2009		9	19
6001	Encapsulated Bt proteins	006409	#N/A	Delta endotoxin of Bacillus thuringiensis variety kurstaki encapsulated in killed Pseudomonas fluorescens	03/23/95	03/23/95	2010		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)	03/23/95	11/03/95	2010		10	21
6057	Beauveria bassiana	128815	#N/A	Beauveria bassiana strain 447	04/08/95	09/27/02	2010		11	22
6057	Beauveria bassiana	128818	#N/A	Beauveria bassiana ATCC 74040	04/08/95	05/26/95	2010		11	23
6057	Beauveria bassiana	128924	#N/A	Beauveria bassiana GHA	04/08/95	04/08/95	2010		11	24
6057	Beauveria bassiana	090305	63428-82-0	Beauveria bassiana strain HF23	04/08/95	12/27/06	2010		11	25
4101	Agrobacterium radiobacter	006474	#N/A	Agrobacterium radiobacter strain K1026	06/08/95	09/28/99	2010		12	26
4101	Agrobacterium radiobacter	4101 114201	#N/A	Agrobacterium radiobacter (strain K84)	06/08/95	01/05/79 Completed	06/08/95 2010		12	27
6020	Gliocladium species	021009	#N/A	Gliocladium catenulatum strain J1446	06/13/96	07/02/98	2010		13	28
6020	Gliocladium species	129000	#N/A	Gliocladium virens G-21	06/13/96	06/13/96	2010		13	29
6068	Lagenidium giganteum	129084	#N/A	Lagenidium giganteum, mycelium or oospores	08/20/96	08/20/96	2011		14	30
4106	NPV (insect viruses)	107300	#N/A	Polyhedral occlusion bodies (OBs) of the nuclear polyhedrosis virus of Helicoverpa zea (corn earworm)	09/01/96	07/10/92	2011		15	31
4106	NPV (insect viruses)	151 107301	#N/A	Use code no. 107300	09/01/96	04/30/99 Completed	12/01/90 2011		15	32
4106	NPV (insect viruses)	4106 107302	#N/A	Polyhedral inclusion bodies of Douglas fir tussock moth nucleopolyhedrosis virus	09/01/96	04/13/98 Completed	09/01/96 2011		15	33
4106	NPV (insect viruses)	4106 107303	#N/A	Polyhedral inclusion bodies of gypsy moth nucleopolyhedrosis virus	09/01/96	04/13/78 Completed	09/01/96 2011		15	34
4106	NPV (insect viruses)	108896	#N/A	Indian meal moth granulosis virus and larval parts on milled wheat bran carrier	09/01/96	12/21/01	2011		15	35

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4106 NPV (insect viruses)	127885	#N/A	Anagrapha falcifera multi-nuclear polyhedrosis virus polyhedral inclusion bodies in aqueous suspension	09/01/96	08/09/02		2011	15	36
4106 NPV (insect viruses)	129078	#N/A	Polyhedral occlusion bodies of the beet armyworm nuclear polyhedrosis virus	09/01/96	06/30/92		2011	15	37
4106 NPV (insect viruses)	129090	#N/A	Cydia pomonella granulosis virus	09/01/96	06/12/97		2011	15	38
6053 Bacillus cereus	119802	#N/A	Bacillus cereus strain UW85	07/30/97	07/30/97		2011	16	39
247 BT	006400	68038-71-1	Bacillus thuringiensis (Berliner)	03/31/98	12/15/81		2011	17	40
247 BT	247 006401	68038-71-1	Bacillus thuringiensis subsp. israelensis	03/31/98	04/07/82 Completed	03/31/98	2011	17	41
247 BT	247 006402	68038-71-1	Bacillus thuringiensis subsp. kurstaki	03/31/98	10/13/71 Completed	03/31/98	2011	17	42
247 BT	247 006403	#N/A	Bacillus thuringiensis subsp. aizawai	03/31/98	07/10/91 Completed	03/31/98	2011	17	43
247 BT	247 006405	#N/A	Bacillus thuringiensis subsp. tenebrionis	03/31/98	12/12/88 Completed	03/31/98	2011	17	44
247 BT	006407	#N/A	Bacillus thuringiensis subsp. kurstaki strain BMP123	03/31/98	08/05/93		2011	17	45
247 BT	006423	#N/A	Bacillus thuringiensis subsp. kurstaki strain EG2371	03/31/98	05/25/95		2011	17	46
247 BT	006424	#N/A	Bacillus thuringiensis subsp. kurstaki strain EG2348	03/31/98	04/25/94		2011	17	47
247 BT	006426	#N/A	Bacillus thuringiensis subsp. aizawai strain GC-91	03/31/98	08/08/92		2011	17	48
247 BT	006447	#N/A	Bacillus thuringiensis subsp. kurstaki strain EG7673	03/31/98	01/18/95		2011	17	49
247 BT	006452	#N/A	Lepidopteran active toxin Bacillus thuringiensis var. kurstaki strain M-200 protein toxin	03/31/98	11/15/96		2011	17	50
247 BT	006453	#N/A	Bacillus thuringiensis subspecies kurstaki strain EG7841 Lepidopteran active toxin	03/31/98	09/04/02		2011	17	51
247 BT	006459	#N/A	Bacillus thuringiensis subspecies kurstaki, strain EG7826 Lepidopteran active toxin	03/31/98	12/16/96		2011	17	52
247 BT	006476	#N/A	Bacillus thuringiensis subspecies israelensis strain EG2215	03/31/98	09/30/98		2011	17	53

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247 BT	006494	#N/A	Bacillus thuringiensis subsp. aizawai, strain NB200	03/31/98	06/10/05	2011	17	54
247 BT	247 006518	#N/A	Bt kurstaki strain SA-12	03/31/98	10/13/71 Completed	03/31/98 2011	17	55
247 BT	247 006519	#N/A	Bt kurstaki strain SA-11	03/31/98	10/13/71 Completed	03/31/98 2011	17	56
247 BT	247 006520	#N/A	Bt israelensis strain BMP 144	03/31/98	04/07/82 Completed	03/31/98 2011	17	57
247 BT	247 006522	#N/A	Bt kurstaki strain ABTS-351	03/31/98	10/13/71 Completed	03/31/98 2011	17	58
247 BT	247 006523	#N/A	Bt aizawai strain ABTS-1857	03/31/98	07/10/91 Completed	03/31/98 2011	17	59
247 BT	247 006524	#N/A	Bt tenebrionis strain NB-176	03/31/98	12/12/88 Completed	03/31/98 2011	17	60
247 BT	247 069162	#N/A	Bt israelensis strain AM 65-52	03/31/98	04/07/82 Completed	03/31/98 2011	17	61
247 BT	247 069210	#N/A	Bt israelensis strain SA3A	03/31/98	04/07/82 Completed	03/31/98 2011	17	62
6010 Harpin proteins	006477	#N/A	Harpin protein	04/19/00	04/19/00	2012	18	63
6047 Paecilomyces species	028826	#N/A	Paecilomyces lilacinus strain 251 (A filamentous fungus)	04/22/98	03/30/05	2012	19	64
6047 Paecilomyces species	115002	#N/A	Paecilomyces fumosoroseus Apopka Strain 97	04/22/98	04/22/98	2012	19	65
6505 Potato replicase	006469	#N/A	Potato leafroll virus (PLRV) replicase protein as produced in potato plants	04/14/98	04/14/98	2012	20	66
6009 Pseudomonas aureofaciens	006473	#N/A	Pseudomonas aureofaciens strain Tx-1	02/11/99	02/11/99	2012	21	67
6010 Harpin proteins	006506	#N/A	Harpin alpha beta protein	04/19/00	02/11/05		21	68
6051 Myrothecium species	119204	#N/A	Dried fermentation solids & solubles of myrothecium verrucaria	04/29/00	04/29/00		22	69
6052 Bacillus sphaericus	119801	143447-72-7	Bacillus sphaericus	04/29/00	04/29/00		23	70
6022 Coniothyrium species	028836	#N/A	Coniothyrium minitans strain CON/M/91-08 (A filamentous fungus)	03/16/01	03/16/01		24	71
6015 Bacillus pumilus	006485	#N/A	Bacillus pumilus QST 2808	05/15/01	10/14/04		25	72
6015 Bacillus pumilus	006493	#N/A	Bacillus pumilus GB34	05/15/01	05/15/01		25	73
6011 Pseudomonas chlororaphis	006478	#N/A	Pseudomonas chlororaphis strain 63-28	09/28/01	09/28/01		26	74
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	10/15/01	12/20/96		27	75

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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.	10/15/01	08/11/96	27	76
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	10/15/01	05/18/01	27	77
6501 Bt corn lepidopteran	006491	#N/A	Bacillus thuringiensis moCry 1F insecticidal protein and the genetic material necessary for its production in maize	10/15/01	05/27/05	27	78
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,	10/15/01	05/02/95	28	79
6504 Bt cotton lepidopteran	006445	#N/A	Bacillus thuringiensis var. kurstaki delta endotoxin protein as produced by the Cry1A(c)	10/15/01	03/21/95	29	80
6504 Bt cotton lepidopteran	006487	#N/A	Bacillus thuringiensis Cry2Ab protein and the genetic material necessary for its production (vector GHBK11) in cotton	10/15/01	06/14/02	29	81
6504 Bt cotton lepidopteran	006512	#N/A	Cry1F Bt Cotton Event 281	10/15/01	09/30/04	29	82
6504 Bt cotton lepidopteran	071326	#N/A	Cry1Ac Bt cotton Event 3006	10/15/01	09/30/04	29	83
6013 Puccinia thlaspeos	006489	#N/A	Puccinia thlaspeos 'woad strain' on rust-infected pieces of dyer's woad	06/26/02	06/26/02	30	84
6049 Pseudozyma flocculosa	119196	#N/A	Pseudozyma flocculosa	09/20/02	09/20/02	31	85
6014 Bacillus licheniformis	006492	#N/A	Bacillus licheniformis SB3086	02/04/03	02/04/03	32	86

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6502 Bt corn coleopteran	006484	#N/A	Bacillus thuringiensis Cry3Bb protein and the genetic material necessary for its production (Vector ZMIR 13L) in corn	02/23/03	02/23/03			33	87
6502 Bt corn coleopteran	006490	#N/A	Bacillus thuringiensis Cry34Ab1 and Cry35Ab1 proteins and the genetic material necessary for their production in corn	02/23/03	08/31/05			33	88
6502 Bt corn coleopteran	006498	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material necessary (vector ZMIR39) for its production in corn	02/23/03	07/15/03			33	89
6502 Bt corn coleopteran	006498	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material (vector VZMIR39) necessary for its production in corn	02/23/03	12/13/05			33	90
6502 Bt corn coleopteran	006509	#N/A	Bacillus thuringiensisCry3A	02/23/03	10/03/07			33	91
6008 Aspergillus flavus	006456	#N/A	Aspergillus flavus 36 colonized wheat seed	07/23/03	07/23/03			34	92
6008 Aspergillus flavus	006500	#N/A	Aspergillus flavus NRRL 21882	07/23/03	05/28/04			34	93
6087 Trypsin modulating oostatic factor	105403	#N/A	Trypsin Modulating Oostatic Factor (TMOF)	05/24/04	05/24/04			35	94
6088 Streptomyces lydicus WYEC 108	006327	#N/A	Streptomyces lydicus WYEC 108	05/24/04	05/24/04			36	95
6091 Chondrostereum purpureum	081308	#N/A	Chondrostereum purpureum isolate PFC 2139, ATCC 60854	09/23/04	09/23/04			37	96
6091 Chondrostereum purpureum	081309	#N/A	Chondrostereum purpureum strain HQ1, IDAC accession #090502-01,	09/23/04	03/30/05			37	97
4102 Bacillus popilliae	4102 054501	#N/A	Bacillus popilliae and B. lentimorbus	09/24/04	07/01/87	Completed	09/24/04	38	98
4102 Bacillus popilliae	054502	#N/A	Spores of bacillus popilliae	09/24/04	05/24/95	Completed	09/24/04	38	99
6300 Alternaria destruens	028301	#N/A	Alternaria destruens	05/04/05	05/04/05			39	100
6303 Muscodor albus QST 20799	006503	#N/A	Muscodor albus strain QST 20799	09/22/05	09/22/05			40	101
6508 Verticillium dahliae Isolate WCS 850	081305	#N/A	Verticillium dahliae Isolate WCS 850	10/19/05	10/19/05			41	102
6509 Xanthomonas campestris pv. vesicatoria (bacteriophage)	006449	#N/A	Xanthomonas campestris pv. vesicatoria (bacteriophage)	12/09/05	12/09/05			42	103

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6510	Pseudomonas syringae pv. tomato (bacteriophage)	006521	#N/A	Pseudomonas syringae pv. tomato (bacteriophage)	12/09/05	12/09/05			43	104
4105	Phytophthora palmivora	4105 111301	#N/A	Live Chlamydozoospores of Phytophthora palmivora MWV	03/01/06	03/25/81	Completed	03/01/06	44	105
4103	Colletotrichum gloeosporioides	4103 226300	#N/A	Colletotrichum gloeosporioides f. sp. aeshynomene ATCC 20358	03/28/06	03/28/06	Completed	09/01/96	45	106
4103	Colletotrichum gloeosporioides f. sp. aeshynomene ATCC	226300	#N/A	Colletotrichum gloeosporioides f. sp.	03/28/06	03/28/06			45	107
6506	Pantoea agglomerans strain C9-1	006470	#N/A	Pantoea agglomerans St (9-1)	04/10/06	04/10/06			46	108
6507	Pantoea agglomerans strain E325	006511	#N/A	Pantoea agglomerans strain E325; NRRL B-21856	09/11/06	09/11/06			47	109
6511	Pythium oligandrum DV74	028816	#N/A	Pythium oligandrum DV74	05/07/07	05/07/07			48	110
6512	Quillaja Extract	097095	68990-67-0	Samponis of Quillia saponaria	07/15/07	07/15/07			49	111
6513	ZYMV	244201	#N/A	Zucchini Yellow Mosaic Virus-Weak Strain	08/06/07	08/06/07			50	112

Cases	50	Actives	112		6	5
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