



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

**Registration Review:  
Microbial Cases Schedule 2015 - 2017**

**May 2015**

EPA/OPP Microbial Pesticide Cases:  
Registration Review Schedule

(A) Reg Rev Case #	(B) Registration Review Case Name	(C) RED Case #	(D) PC Code	(E) CAS #	(F) Active Ingredient Name	(G) Chem Class	(I) Baseline Date	(J) First Registere d	(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	#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		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
6018	Ampelomyces quisqualis	021007	#N/A		Ampelomyces quisqualis isolate M-10		06/17/94	06/17/94			2009	N/A		8	18

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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		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

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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		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		09/01/96	12/21/01			2011			15	35
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		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	Completed	03/31/98	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		03/31/98	08/05/93	Completed	03/31/98	2011			17	45
247	BT		006423	#N/A	Bacillus thuringiensis subsp. kurstaki strain		03/31/98	05/25/95	Completed	03/31/98	2011			17	46

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247	BT		006424	#N/A	Bacillus thuringiensis subsp. kurstaki strain		03/31/98	04/25/94	Completed	03/31/98	2011			17	47
247	BT		006426	#N/A	Bacillus thuringiensis subsp. aizawai strain GC-		03/31/98	08/08/92	Completed	03/31/98	2011			17	48
247	BT		006447	#N/A	Bacillus thuringiensis sub. kurstaki strain EG7673		03/31/98	01/18/95	Completed	03/31/98	2011			17	49
247	BT		006452	#N/A	Bacillus thuringiensis var. kurstaki strain M-200		03/31/98	11/15/96	Completed	03/31/98	2011			17	50
247	BT		006453	#N/A	Bacillus thuringiensis subspecies kurstaki strain		03/31/98	09/04/02	Completed	03/31/98	2011			17	51
247	BT		006459	#N/A	Bacillus thuringiensis subspecies kurstaki, strain EG7826 Lepidopteran active toxin		03/31/98	12/16/96	Completed	03/31/98	2011			17	52
247	BT		006476	#N/A	Bacillus thuringiensis subspecies israelensis strain EG2215		03/31/98	09/30/98	Completed	03/31/98	2011			17	53
247	BT		006494	#N/A	Bacillus thuringiensis subsp. aizawai, strain		03/31/98	06/10/05	Completed	03/31/98	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	069210	#N/A	Bt israelensis strain SA3A		03/31/98	04/07/82	Completed	03/31/98	2011			17	61
247	BT	247	069162	#N/A	Bt israelensis strain AM 65- 52		03/31/98	04/07/82	Completed	03/31/98	2011			17	62
6013	Puccinia thlaspeos		006489	#N/A	Puccinia thlaspeos 'woad strain' on rust-infected		06/26/02	06/26/02			2011	09/30/11		18	63
6300	Alternaria destruens		028301	#N/A	Alternaria destruens		05/04/05	05/04/05			2011			19	64

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6513	ZYMV		244201	#N/A	Zucchini Yellow Mosaic Virus-Weak Strain		08/06/07	08/06/07			2011			20	65
6010	Harpin proteins		006506	#N/A	Harpin alpha beta protein		04/19/00	02/11/05			2012			21	66
6047	Paecilomyces species		028826	#N/A	Paecilomyces lilacinus strain 251 (A filamentous		04/22/98	03/30/05			2012			22	67
6047	Paecilomyces species		115002	#N/A	Paecilomyces fumosoroseus Apopka Strain 97		04/22/98	04/22/98			2012			22	68
6505	Potato replicase		006469	#N/A	Potato leafroll virus (PLRV) replicase protein as		04/14/98	04/14/98			2012			23	69
6009	Pseudomonas aureofaciens		006473	#N/A	Pseudomonas aureofaciens strain Tx-1		02/11/99	02/11/99			2012			24	70
6051	Myrothecium species		119204	#N/A	Dried fermentation solids & solubles of myrothecium		04/29/00	04/29/00			2013			25	71
6052	Bacillus sphaericus		119801	143447-72-7	Bacillus sphaericus		04/29/00	04/29/00			2013			26	72
6022	Coniothyrium species		028836	#N/A	Coniothyrium minitans strain CON/M/91-08 (A		03/16/01	03/16/01			2013			27	73
6015	Bacillus pumilus		006485	#N/A	Bacillus pumilus QST 2808		05/15/01	10/14/04			2013			28	74
6015	Bacillus pumilus		006493	#N/A	Bacillus pumilus GB34		05/15/01	05/15/01			2013			28	75
6049	Pseudozyma flocculosa		119196	#N/A	Pseudozyma flocculosa		09/20/02	09/20/02			2014	12/20/14		29	76
6014	Bacillus licheniformis		006492	#N/A	Bacillus licheniformis SB3086		02/04/03	02/04/03			2014	03/28/14		30	77

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6011	Pseudomonas chlororaphis	006478	#N/A	#N/A	Pseudomonas chlororaphis strain 63-28		09/28/01	09/28/01			2014	12/20/14		31	78
6088	Streptomyces lydicus WYEC 108	006327	#N/A	#N/A	Streptomyces lydicus WYEC 108		05/24/04	05/24/04			2014	09/24/14		32	79
6503	Bt potato coleopteran	006432	#N/A	#N/A	Bacillus thuringiensis subspecies tenebrionis		10/15/01	05/02/95			2015			33	80
6501	Bt corn lepidopteran	006430	#N/A	#N/A	Bacillus thuringiensis subsp. kurstaki strain HD1		10/15/01	12/20/96			2015			34	81
6501	Bt corn lepidopteran	006444	#N/A	#N/A	Bacillus thuringiensis CryIA(b) delta-endotoxin		10/15/01	08/11/96			2015			34	82

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6501	Bt corn lepidopteran	006481	#N/A	#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			2015			34	83
6501	Bt corn lepidopteran	006491	#N/A	#N/A	Bacillus thuringiensis moCry 1F insecticidal protein and the genetic material necessary for its production in maize		10/15/01	05/27/05			2015			34	84
6008	Aspergillus flavus	006456	#N/A	#N/A	Aspergillus flavus 36 colonized wheat seed		07/23/03	07/23/03			2015			35	85
6008	Aspergillus flavus	006500	#N/A	#N/A	Aspergillus flavus NRRL 21882		07/23/03	05/28/04			2015			35	86
6087	Trypsin modulating oostatic factor	105403	#N/A	#N/A	Trypsin Modulating Oostatic Factor (TMOF)		05/24/04	05/24/04			2015			36	87
6091	Chondrostereum purpureum	081308	#N/A	#N/A	Chondrostereum purpureum isolate PFC		09/23/04	09/23/04			2015	03/30/15		37	88
6091	Chondrostereum purpureum	081309	#N/A	#N/A	Chondrostereum purpureum strain HQ1,		09/23/04	03/30/05			2015			37	89
6502	Bt corn coleopteran	006490	#N/A	#N/A	Bacillus thuringiensis Cry34Ab1 and Cry35Ab1		02/23/03	08/31/05			2015			38	90
6502	Bt corn coleopteran	006484	#N/A	#N/A	Bacillus thuringiensis Cry3Bb protein and the genetic material necessary		02/23/03	02/23/03			2015			38	91
6502	Bt corn coleopteran	006498	#N/A	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material necessary		02/23/03	07/15/03			2015			38	92
6502	Bt corn coleopteran	006498	#N/A	#N/A	Bacillus thuringiensis Cry3Bb1 protein and the genetic material (vector VZMIR39) necessary for its production in corn		02/23/03	12/13/05			2015			38	93
6502	Bt corn coleopteran	006509	#N/A	#N/A	Bacillus thuringiensisCry3A		02/23/03	10/03/07			2015			38	94
6504	Bt cotton lepidopteran	006445	#N/A	#N/A	Bacillus thuringiensis var. kurstaki delta endotoxin protein as produced by the Cry1A(c) gene and its controlling sequences		10/15/01	03/21/95			2016			39	95



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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			2016			39	96
6504	Bt cotton lepidopteran		006512	#N/A	Cry1F Bt Cotton Event 281		10/15/01	09/30/04			2016			39	97
6504	Bt cotton lepidopteran		071326	#N/A	Cry1Ac Bt cotton Event 3006		10/15/01	09/30/04			2016			39	98
4102	Bacillus popilliae	4102	054501	#N/A	Bacillus popilliae and B. lentimorbus		09/24/04	07/01/87	Completed	09/24/04	2016			40	99
4102	Bacillus popilliae		054502	#N/A	Spores of bacillus popilliae		09/24/04	05/24/95	Completed	09/24/04	2016			40	100
6508	Verticillium dahliae Isolate WCS 850		081305	#N/A	Verticillium dahliae Isolate WCS 850		10/19/05	10/19/05			2016			41	101
6509	Xanthomonas campestris pv. vesicatoria		006449	#N/A	Xanthomonas campestris pv. vesicatoria		12/09/05	12/09/05			2016			42	102
6510	Pseudomonas syringae pv. tomato (bacteriophage)		006521	#N/A	Pseudomonas syringae pv. tomato (bacteriophage)		12/09/05	12/09/05			2016			43	103
4105	Phytophthora palmivora	4105	111301	#N/A	Live Chlamydo spores of Phytophthora palmivora		03/01/06	03/25/81	Completed	03/01/06	2016			44	104
6303	Muscodor albus QST 20799		006503	#N/A	Muscodor albus strain QST 20799		09/22/05	09/22/05			2017			45	105
4103	Colletotrichum gloeosporioides	4103	226300	#N/A	Colletotrichum gloeosporioides f. sp.		03/28/06	03/28/06	Completed	09/01/96	2017			46	106
4103	Colletotrichum gloeosporioides f. sp.		226300	#N/A	Colletotrichum gloeosporioides f. sp.		03/28/06	03/28/06			2017			46	107
6506	Pantoea agglomerans strain C9-1		006470	#N/A	Pantoea agglomerans St (9-1)		04/10/06	04/10/06			2017			47	108
6507	Pantoea agglomerans strain E325		006511	#N/A	Pantoea agglomerans strain E325; NRRL B-		09/11/06	09/11/06			2017			48	109
6511	Pythium oligandrum DV74		028816	#N/A	Pythium oligandrum DV74		05/07/07	05/07/07			2017			49	110
Cases 49			Actives	110											