

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

401 M Street, S.W.
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DATA MATRIX

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
885-1100	Administrative Material for the Application to Register Plant-Incorporated Protectant, <i>Bacillus thuringiensis</i> Cry1A.105 and Cry2Ab2 Protein and the Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-3)		Monsanto Company	OWN	This Application
885-1200	2006. Human Health and Environmental Assessment of the Plant-Incorporated Protectant <i>Bacillus thuringiensis</i> Cry1A.105 and Cry2Ab2 Protein Produced in Corn MON 89034		Monsanto Company	OWN	This Application
885-1500	2006. Assessment of the Cry1A.105 and Cry2Ab2 Protein Levels in Tissues of Insect-Protected Corn MON 89034 Produced in 2005 U.S. Field Trials. Monsanto Technical Report MSL-20285.		Monsanto Company	OWN	This Application
885-2100	2006. Characterization of the Cry2Ab2 Protein Purified from the Corn Grain of MON 89034 and Comparison of the Physicochemical and Functional Properties of the Plant-Produced and <i>E. coli</i> -Produced Cry2Ab2 Proteins. Monsanto Technical Report MSL-20071.		Monsanto Company	OWN	This Application
885-2400					
885-2500					
885-2100	Signature				

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Conservation

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Date: September 28, 2006
EPA Reg. No./File Symbol: 524-XXX Page 1 of 9

Applicant Name & Address:
Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63166

Product: MON 89034

Ingredient: *Bacillus thuringiensis* Cry1A.105 and Cry2Ab2 Proteins and the Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-3)





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Applicant's Registration Name and Address:
Monsanto Company, 700 N. Lindbergh Blvd., St. Louis, MO 63167
Product: MON 89034

Ingredient: *Agrobacterium tumefaciens* Cry3A.105 and Cry2Ab2 Proteins and the Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-3)

Guideline Reference Number

Guideline Study Name

MRID Number

Submitter

Status

Note

885.1100 2006. Evaluation of the functional equivalence of the Cry2Ab2 Protein Produced by *Agrobacterium tumefaciens* against a Synthetic Lepidopteran Specific Monsanto Technical Report MSL-2031

885.2100 2006. Acute oral toxicity study in rats with Cry2Ab2 protein. Monsanto Study PRO-2005-045

885.2200 2006. Assessment of the *in vitro* Digestibility of the Cry2Ab2 Protein in Simulated Gastric Fluid. Monsanto Technical Report MSL-19931.

885.3050 2006. Assessment of the *in vitro* Digestibility of the Cry2Ab2 Protein in Simulated Intestinal Fluid. Monsanto Technical Report MSL-19930.

885.3050 2006. Assessment of the *in vitro* Digestibility of the Cry2Ab2 Protein in Simulated Intestinal Fluid. Monsanto Technical Report MSL-20338

885.1300 2006. Bioinformatics Evaluation of the Cry1A.105 Protein Utilizing the AD6, TOXINS, and ALLPEPTIDES Databases. Monsanto Technical Report MSL-20351.

885.2100

885.2200

Signature

Name and Title

Regulatory Affairs Manager

September 28, 2006

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Date: September 28, 2006
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Applicant's Registration Name and Address:
Monsanto Company, 700 N. Lindbergh Blvd., St. Louis, MO 63167
Product: MON 89034

Ingredient: *Phyllis thuriana* Cry1A.105 and Cry2Ab2 Proteins and the Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-3)

Guideline Reference Number	Supplemental Study Name	MRID Number	Submitter	Status	Note
885.1300	Analysis of Cry2Ab2 Protein Utilizing the AD6, TOX015, and ALC00PTIDES Databases. Monsanto Technical Report MS-2006-0107.		Monsanto Company	OWN	This Application
885.2100	2006. Comparison of Broiler Performance and Gross Parameters When Fed Diets Containing MON 89034 Containing Commercial Corn. Monsanto Study 05-08-13, America Report		Monsanto Company	OWN	This Application
885.4340	Spectrum of insecticidal activity of <i>Phyllis thuriana</i> Cry1A.105 Protein. Monsanto Technical Report MS-2006-0107.		Monsanto Company	OWN	This Application
885.4340	Spectrum of Insecticidal Activity of <i>Bacillus thuringiensis</i> Cry2Ab2 Protein. Monsanto Technical Report MS-2006-0107.		Monsanto Company	OWN	This Application
	2006. Assessment of the Efficacy of Lepidopteran-protected Corn MON 89034 and MON 89597 Against Major Insect Pests in United States, Puerto Rico and Argentina During 2003-2004 Seasons. Monsanto Technical Report 05-RA-39-05.		Monsanto Company	OWN	This Application

Signature: [Redacted]
Name and Title: [Redacted] Regulatory Affairs Manager
Date: September 28, 2006

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Date: September 28, 2006
EPA Reg. No./File Symbol: 524-XXX Page 5 of 9
Applicant's Registration Name and Address: Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63167
Product: MON 89034

Ingredient: *Pyricularia thurpensis* Cry2A.105 and Cry2Ab2 Proteins and Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-3)

Guideline Reference Number	Subline Study Name	MRID Number	Submitter	Status	Note
885-4340	2006. Evaluation of Potential Dietary Effects of Cry2A.105 Protein on the Leaf-Minor Beetle, <i>Coleomegilla malvella</i> (Coleoptera: Coccinellidae). Monsanto Technical Report MSL-20151.		Monsanto Company	OWN	This Application
885-4340	2006. Evaluation of Potential Dietary Effects of Cry2A.105 Protein on Minute Pupa-Bugs, <i>Opiga insularis</i> (Hemiptera: Anthrenidae). Monsanto Technical Report MSL-20149.		Monsanto Company	OWN	This Application
885-4340	2006. Evaluation of Potential Dietary Effects of Cry2Ab2 Protein on Minute Pupa-Bugs, <i>Opiga insularis</i> (Hemiptera: Anthrenidae). Monsanto Technical Report MSL-20171.		Monsanto Company	OWN	This Application
885-4340	2006. Evaluation of Potential Effects of Exposure to Cry2Ab2 Protein in an Acute Study with the Parasitic Wasp, <i>Ichneumon promissorius</i> (Hymenoptera: Ichneumonidae). Monsanto Technical Report MSL-20148.		Monsanto Company	OWN	This Application

Signature

Name and Title
Regulatory Affairs Manager

Date
September 28, 2006

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
885.2100	Characterization of Cry1A.105 Protein Purified from the Corn Grain of MON 89034 and Comparison of the Physicochemical and Functional Properties of Plant-Produced and <i>Escherichia coli</i> -Produced Cry1A.105 Protein. Monsanto Technical Report MSL-1996-067	46694607	Monsanto Company	OWN	
885.3050 885.4150	2005. An <i>In Vivo</i> Oral Toxicity Study with Cry1A.105 Protein in Sprague-Dawley Rats. Monsanto Study CRO-2005-050.	46694603	Monsanto Company	OWN	
885.3050	2005. Assessment of the <i>In Vivo</i> Digestibility of the Cry1A.105 Protein in Simulated Gastric Fluid. Monsanto Technical Report MSL-1997-029.	46694606	Monsanto Company	OWN	
885.3050	2005. Immuno-detection of Cry2Ab2 and Cry1A.105 Proteins in Corn Grain from MON 89034 Following Heat Treatment. Monsanto Technical Report MSL-19899.	46694607	Monsanto Company	OWN	
885.4340	2005. Evaluation of the Potential for Interactions Between the <i>Bacillus thuringiensis</i> Proteins Cry1A.105 and Cry2Ab2. Monsanto Technical Report MSL-19859.	46694602	Monsanto Company	OWN	
Signature	[Redacted]	Name and Title	Regulatory Affairs Manager	Date	September 28, 2006

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
885-1100	Summary of Southern Root Analysis of MON 89034 and MON 89037 Com. Monsanto Technical Report MS-20068	466945014	Monsanto Company	OWN	
885-1200	2005. Bioinformatics Analysis of the Cry1A.105 Protein Utilizing the AD5, TOXINS, and ALLPEPTIDES Databases. Monsanto Technical Report MSL-16174	46694605	Monsanto Company	OWN	
885-1300	2000. Assessment of Chromatin Toxicity of Cotton Tissue Containing Insect Protection Proteins to <i>Collembole (Folsomia candida)</i> . Amended report. Monsanto Technical Report MS-16174	45086314	Monsanto Company	OWN	
885-2100	2005. Structural and Functional Similarity of the Cry1A.105 Protein to CryIA Class 6 <i>Bacillus thuringiensis</i> Proteins. Monsanto Technical Report 05-RA-62-01.	45086310	Monsanto Company	OWN	
885-2200					

Date: September 28, 2006
 Applicant Name & Address: Monsanto Company, 800 N. Lindbergh Blvd., St. Louis, MO 63166
 Ingredient: *Bacillus thuringiensis* Cry1A.105 and 2Ab2 Proteins and the Genetic Material (Vector PV-ZMIR245) Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-83)
 EPA Reg. No./File Symbol: 524-XXX
 Product: MON 89034
 Necessary for their Production in MON 89034 (OECD Unique Identifier: MON-89034-83)
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Signature: [Redacted]
 Name and Title: [Redacted]
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 Regulatory Affairs Manager