Form Approved OMB No. 2070-0060

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
401 M Street, S.W.
WASHINGTON, D.C. 20460

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DATA MATRIX

Date October 22, 2002

EPA Reg No./File Symbol 68467-EUP-T

Applicant's/Registrant's Name & Address Mycogen Seeds c/o Dow AgroSciences LLC
9330 Zionsville Road, Indianapolis, In 46268

Product Mycogen Brand B.t. Cry34/35Ab1 Construct 17658 Corn

Ingredient Bacillus thuringiensis Cry34/35Ab1 insecticidal crystal protein and the genetic material necessary for its production in maize

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	In Vitro Simulated Gastric Fluid Digestibility	45584502	68467	own	
	Study of Microbially Derived Cry34Ab1 Protein				
	Thermolability of PS149B1 Binary Delta-Endotoxin	45358401	68467	own	
	Heat Liability of Individual Proteins of the Ps149B1	45584501			
	Binary ICP		68467	own	
	Microbial PS149B1 Binary Delta Endotoxin:	45242204	68467	own	
	Maize-Insect-Pest Susceptiblility Study				
	In Vitro Digestibility of PS149B1 Proteins	45242212	68467	own	
	The Tri-Trophic Interaction Between PS149B1	45242211	68467	own	
	Transformed Maize, Corn Leaf Aphid and Ladybird Beetle				
	Microbial PS149B1 Binary Insecticidal Crystal Protein,	45340701	68467	own	
	Pollen Expressing PS149B1 Binary Insecticidal				
	Crystal Protein, and Individual PS149B1 14kDa				
	and 44kDa Insecticidal Crystal Proteins: Evaluation				
	of Dietary Exposure on Honeybee Development				

Signature Penny L. Hunst

Name and Title Penny L. Hunst, Regulatory Manager

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	PS149B1 Binary Insecticidal Crystal Protein:	45360201	68467	own	
	Acute Toxicity to the Earthworm in an				
	Artificial Substrate				
	PS149B1 14 KDA and 44 KDA Proteins:	45242209	68467	own	
	Acute Oral Toxicity Study in CD-1 Mice				
	PS149B1 44 KDA Protein: Acute Oral Toxicity	45242208	68467	own	
	Study in CD-1 Mice				
	PS149B1 Binary Insecticidal Crystal Protein:	45242210	68467	own	
	A Dietary Toxicity Study with the Ladybird Beetle				
	PS149B1 14 KDA Protein: Acute Oral Toxicity	45242207	68467	own	
	Study in CD-1 Mice				
	Comparison of the Amino Acid Sequence of the	45242205	68467	own	
	Bacillus thuringiensis Strain PS149B1 13.6 kDa				
	and 43.8 kDa Insecticidal Crystal Proteins to				
	Known Protein Allergens				

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	SDS-PAGE Sensitivity Analysis for Cry35Ab1 in	submitted today	68467	own	
	Support of the Simulated Gastric Fluid Digestion				
	Study MRID#45242212				
	Trait Durability and Experimental Use of	submitted today	68467	own	
	Transgenic Maize Expressing the Insecticidal				
	Crystalline Proteins Cry34Ab1 and Cry35Ab1				
	PS149B1 Insecticidal Cyrstal Protein: Dietary	submitted today	68467	own	
	Toxicity to Green Lacewing Larvae				
	(Chrysolperla carnea)				
	PS149B1 Binary Insecticidal Crystal Protein:	submitted today	68467	own	
	An Acute Toxicity Study with the Daphnid,				
	Daphnia magna Straus				
	Assessment of Chronic Toxicity of Diet Containing	submitted today	68467	own	
	Bacillus thuringiensis PS149B1 Insecticidal Crystal				
	Protein to Collembola (Folsomia candida)				

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	PS149B1 Binary Insecticidal Crystal Protein: An	submitted today	68467	own	
	8-Day Dietary Toxicity Study with the Rainbow				
	Trout, Oncorhynchus mykiss, Waldbaum				
	PS149B1 Binary Insecticidal Crystal Protein: Dietary	submitted today	68467	own	
	Toxicity to Parasitic Hymenoptera (Nasonia				
	vitripennis)				
	Quantitative ELISA Analysis of Cry34Ab1	submitted today	68467	own	
	and Cry35Ab1 Proteins Expressed in Maize Plants				
	Transformed with the Vector PHP17658				
	Product Characterization Data for Bacillus	submitted today	68467	own	
	thuringiensis Cry34Ab1 and Cry35Ab1 Proteins				
	Expressed in Transgenic Maize Plants (PHP17658)				
	Characterization of Cry34Ab1 and Cry35Ab1 from	submitted today	68467	own	
	Recombinant Pseudomonas flourescens				
	and Transgenic Maize				

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Ingredient Bacillus thuringiensis Cry34/35Ab1 insecticidal crystal protein and the genetic material necessary for its production in maize

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
	Characterization of DNA Inserted into Transgenic	submitted today	68467	own	
	Corn Events E4497.42.1.34, E4497.45.2.16,				
	E4497.59.1.10, E4497.66.1.27, E4497.71.1.29				
	and E4497.71.1.33				
	Field Efficacy of Cry34Ab1/Cry35Ab1 Maize	submitted today	68467	own	
	Events Against Corn Rootworms				
	Degradation of Microbial Binary PS149B1	45242214	68467	own	
	Delta-Endotoxin in a Representative Soil from				
	the Mid-Western USA Maize Growing Region				

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