

PATENT ASSIGNMENT COVER SHEET

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SUBMISSION TYPE:	NEW ASSIGNMENT	
NATURE OF CONVEYANCE:	ASSIGNMENT	
SEQUENCE:	3	
CONVEYING PARTY DATA		
	Name	Execution Date
	MONSANTO COMPANY	05/02/2012
RECEIVING PARTY DATA		
Name:	MONSANTO TECHNOLOGY LLC	
Street Address:	800 NORTH LINDBERGH BOULEVARD	
City:	ST. LOUIS	
State/Country:	MISSOURI	
Postal Code:	63167	
PROPERTY NUMBERS Total: 1		
	Property Type	Number
	Application Number:	14567694
CORRESPONDENCE DATA		
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<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>		
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ATTORNEY DOCKET NUMBER:	MTC 58523.US3	
NAME OF SUBMITTER:	SHARON L. WINKLER	
SIGNATURE:	/Sharon L. Winkler/	
DATE SIGNED:	04/08/2015	
Total Attachments: 5		
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ASSIGNMENT

WHEREAS, Monsanto Company, the undersigned, is the assignee of inventions, which are the subject of a United States patent or patent application or an International application for patent set forth in the attached Schedules A and B; and

WHEREAS, Monsanto Technology LLC, of St. Louis, Missouri, a Corporation of the State of Delaware, is desirous of acquiring the entire right, title and interest in and to said inventions therein and any and all patents obtained or to be obtained therefor;

NOW, THEREFORE, FOR GOOD AND VALUABLE CONSIDERATION, the receipt of which is hereby acknowledged, Monsanto Company agrees to assign, and hereby does, sell, assign, and transfer to Monsanto Technology LLC, its successors and assigns, the entire right, title and interest in and to said inventions in the United States of America and throughout the world, including the right to claim priority under the laws of the United States, the Paris Convention, and any foreign countries, to the inventions as described in the applications and patents, to the applications and patents themselves, and all divisions, continuations, continuations-in-part, or other applications claiming priority directly or indirectly from the applications and patents of Schedule A and B, and any United States or foreign Letters Patent, utility model, or other similar rights which may be granted thereon, including reissues, reexaminations and extensions thereof, these rights, title and interest to be held and enjoyed by Monsanto Technology LLC to the full end of the term for which the Letters Patent, utility model, or other similar rights, are granted and any extensions thereof as fully and entirely as the same would have been held by Monsanto Company had this assignment and sale not been made, and the right to sue for, and recover for past infringements of, or liabilities for, any of the rights relating to any of the applications, patents, utility models, or other similar rights, resulting therefrom; and

Monsanto Company hereby requests the United States Patent and Trademark Office to issue said Letters Patent of the United States of America, Reexamination Certificate or Reissue Letters Patent to Monsanto Technology LLC, and requests that any official of any country or countries foreign to the United States, whose duty it is to issue or grant patents as aforesaid, to issue the Letters Patent, Utility Model Registration or other similar right to Monsanto Technology LLC; and

Monsanto Company further agrees, without any payment by Monsanto Technology LLC other than in reimbursement of reasonable expenses it may incur, to communicate to said Monsanto Technology LLC, its representatives, agents or assignees of the entire right, title and interest hereto, any facts relating to said inventions or improvements, including evidence for purposes of examination, interference, opposition or other legal proceedings, whenever requested; testify in any interference, opposition or other legal proceedings, whenever requested; execute and deliver, on request, all lawful papers required to make any of the foregoing provisions effective; and generally do everything possible which Monsanto Technology LLC shall consider desirable for

vesting title to such inventions in Monsanto Technology LLC, and for securing, maintaining, and enforcing proper patent protection for such inventions.

IN TESTIMONY WHEREOF, Monsanto Company has executed this Assignment with the authorized execution as of the date and year written below.

MONSANTO COMPANY

By: _____

Lawrence M. Lavin, Jr.
Lawrence M. Lavin, Jr.
Associate General Counsel

State of Missouri }
County of St. Louis } ss.

On this 2nd day of May, 2012, before me personally appeared Lawrence M. Lavin, Jr. to me known to be the person who executed the foregoing instrument and acknowledged that he executed the same as his free act and deed; in testimony whereof I have hereto set my hand and official seal on the day last above written.



GRACIE L. WILLIAMS
My Commission Expires
July 9, 2013
St. Louis County
Commission #09463322

Gracie L. Williams
Notary Public or Consular Officer

My Commission expires July 9, 2013

Schedule A – US Granted Applications

Monsanto Docket No.	App. No.	App. Filing Date	Patent No.	Grant Date	Title
58510.0001	10060848	1/30/2002	6743612	6/1/2004	Nematode MDH-Like Sequences
58510.0002	10819645	4/6/2004	7479384	1/20/2009	Nematode MDH-Like Sequences
58511.0001	10082894	2/26/2002	6818433	11/16/2004	Nematode PGM-Like Sequences
58514.0001	10160362	5/30/2002	6903190	6/7/2005	Nematode ATP Synthase Subunit E-Like Sequences
58514.0003	11834182	8/6/2007	7655418	2/2/2010	Methods for Identifying Compounds that Bind to Nematode ATP Synthase Subunit E Polypeptide
58514.0004	11834237	8/6/2007	7659369	2/9/2010	Nematode ATP Synthase Subunit E Polypeptide
58514.0005	12061050	4/2/2008	7803603	9/28/2010	Nematode ATP Synthase Subunit E Polypeptide
58515.0001	10243468	9/13/2002	6875595	4/5/2005	Nematode Fatty Acid Desaturase-Like Sequences
58515.0003	12061072	4/2/2008	7479382	1/20/2009	Nematode Fatty Acid Desaturase-Like Sequences
58515.0004	12354255	1/15/2009	7993894	8/9/2011	Nematode Fatty Acid Desaturase-Like Sequences
58515.0005	12354282	1/15/2009	7666642	2/23/2010	Nematode Fatty Acid Desaturase-Like Sequences
58516.0000	10090527	3/4/2002	6887900	5/3/2005	Nematicidal Compositions and Methods
58516.0001	10187683	7/1/2002	6903052	6/7/2005	Nematicidal Compositions and Methods
58517.0001	10602268	6/23/2003	7442533	10/28/2008	Nematode Phosphoethanolamine N-Methyltransferase-Like Sequences
58517.0002	11326080	1/5/2006	7867749	1/11/2011	Nematode Phosphoethanolamine N-Methyltransferase-Like Sequences
58518.0001	10771708	2/4/2004	6936693	8/30/2005	Nematode Pan and ZP Receptor-Like Sequences
58518.0002	11191588	7/28/2005	7339044	3/4/2008	Nematode Pan and ZP Receptor-Like Sequences
58518.0003	11191374	7/28/2005	7250500	7/31/2007	Nematode Pan and ZP Receptor-Like Sequences
58518.0004	11191375	7/28/2005	7265204	9/4/2007	Nematode Pan and ZP Receptor-Like Sequences
58520.0001	10772227	2/4/2004	7365240	4/29/2008	Nucleic Acids Encoding Anthelmintic Agents and and Plants Made Therefrom
58520.0002	10912534	8/4/2004	7368629	5/6/2008	Nucleic Acids Encoding Anthelmintic Agents and and Plants Made Therefrom
58520.0003	11552603	10/25/2006	7932435	4/26/2011	Method of Screening Transgenic Plants for Anthelmintic Activity
58520.0004	11552681	10/25/2006	7939713	5/10/2011	A Method for Screening Transgenic Plants for Anthelmintic Activity
58520.0005	12035005	2/21/2008	7667095	2/23/2010	Transgenic Plants Having Anthelmintic Activity and Methods of Producing Them

Schedule A – US Granted Applications

58520.0006	12693483	1/26/2010	7919680	4/5/2011	Nucleic Acids Encoding Anthelmintic Agents and Plants Made Therefrom
58521.0001	11706847	2/13/2007	7951753	5/31/2011	Plant Chimeric Binding Polypeptides for Universal Molecular Recognition
58525.0001	12703750	2/10/2010	8017555	9/13/2011	Compositions and Methods for Controlling Nematodes

Schedule B – US Pending Applications

Monsanto Docket No.	App. No.	App. Filing Date	Title
58517.0003	12/260,071	10/28/2008	Nematode Phosphoethanolamine N-Methyltransferase-Like Sequences
58521.0002	13/093,518	4/25/2011	Plant Chimeric Binding Polypeptides for Universal Molecular Recognition
58522.0001	12/135,337	6/9/2008	Control of Ectoparasites
58522.0002	12/731,871	3/25/2010	Control of Ectoparasites
58523.0001	12/190,989	8/13/2008	Compositions and Methods for Controlling Nematodes
58525.0002	12/904,724	10/14/2010	Composition and Methods for Controlling Nematodes
58526.0000	PCT/US2010/062338	12/29/2010	Compositions and Methods for the Control of Root Lesion Nematode
58527.0000	PCT/US2011/024693	2/14/2011	Compositions and Methods for Pathogen Control in Plants