

MONSANTO CO /NEW/
Form 4
July 09, 2007

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
Foster Scarlett L

(Last) (First) (Middle)

800 N. LINDBERGH BLVD.

(Street)

ST. LOUIS, MO 63167

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol

MONSANTO CO /NEW/ [MON]

3. Date of Earliest Transaction (Month/Day/Year)

07/05/2007

4. If Amendment, Date Original Filed (Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director 10% Owner
 Officer (give title below) Other (specify below)

VP Investor Relations

6. Individual or Joint/Group Filing (Check Applicable Line)

Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	07/05/2007		M		3,752	A	\$ 16.1925
Common Stock	07/05/2007		M		11,334	A	\$ 20.805
Common Stock	07/05/2007		M		4,440	A	\$ 29.2175
Common Stock	07/05/2007		S		400	D	\$ 66.27
Common Stock	07/05/2007		S		3,000	D	\$ 66.28

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Common Stock	07/05/2007	S	4,200	D	\$ 66.29	25,456	D	
Common Stock	07/05/2007	S	900	D	\$ 66.3	24,556	D	
Common Stock	07/05/2007	S	800	D	\$ 66.31	23,756	D	
Common Stock	07/05/2007	S	226	D	\$ 66.33	23,530	D	
Common Stock	07/05/2007	S	100	D	\$ 66.36	23,430	D	
Common Stock	07/05/2007	S	1,300	D	\$ 66.37	22,130	D	
Common Stock	07/05/2007	S	4,200	D	\$ 66.38	17,930	D	
Common Stock	07/05/2007	S	1,000	D	\$ 66.39	16,930	D	
Common Stock	07/05/2007	S	3,400	D	\$ 66.4	13,530	D	
Common Stock						807	I	By 401(k) Plan

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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(9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned
(e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Option (Right to Buy)	\$ 16.1925	07/05/2007		M	3,752	03/15/2005 ⁽¹⁾	02/26/2014	Common Stock	3,752
Option	\$ 20.805	07/05/2007		M	11,334	11/15/2005 ⁽²⁾	10/28/2014	Common	11,334

(Right to Buy)

Stock

Option

(Right to Buy) \$ 29.2175 07/05/2007

M

4,440

11/15/2006⁽³⁾

10/28/2015

Common Stock

4,440

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Foster Scarlett L 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167			VP Investor Relations	

Signatures

Christopher A. Martin,
Attorney-in-Fact

07/09/2007

__Signature of Reporting Person

Date

Explanation of Responses:

* If the form is filed by more than one reporting person, *see* Instruction 4(b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) One-third of the options became exercisable on March 15, 2005, one-third of the options became exercisable on March 15, 2006 and one-third of the options became exercisable on March 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.

(2) One third of the options became exercisable on November 15, 2005, one-third of the options became exercisable on November 15, 2006 and one-third of the options become exercisable on November 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.

(3) One third of the options became exercisable on November 15, 2006, one-third of the options become exercisable on November 15, 2007 and one-third of the options become exercisable on November 15, 2008, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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