

MONSANTO CO /NEW/
Form 4
January 10, 2008

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 NORTH 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)
01/08/2008

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	01/08/2008		M		5,666	A	\$ 20.805 19,196
Common Stock	01/08/2008		M		4,440	A	\$ 29.2175 23,636
Common Stock	01/08/2008		M		3,050	A	\$ 44.06 26,686
Common Stock	01/08/2008		S		200	D	\$ 121.83 26,486
Common Stock	01/08/2008		S		200	D	\$ 121.85 26,286

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Common Stock	01/08/2008	S	100	D	\$ 121.87	26,186	D
Common Stock	01/08/2008	S	100	D	\$ 121.88	26,086	D
Common Stock	01/08/2008	S	100	D	\$ 121.92	25,986	D
Common Stock	01/08/2008	S	100	D	\$ 121.97	25,886	D
Common Stock	01/08/2008	S	400	D	\$ 121.98	25,486	D
Common Stock	01/08/2008	S	600	D	\$ 122	24,886	D
Common Stock	01/08/2008	S	100	D	\$ 122.01	24,786	D
Common Stock	01/08/2008	S	300	D	\$ 122.02	24,486	D
Common Stock	01/08/2008	S	200	D	\$ 122.06	24,286	D
Common Stock	01/08/2008	S	1,000	D	\$ 122.07	23,286	D
Common Stock	01/08/2008	S	100	D	\$ 122.08	23,186	D
Common Stock	01/08/2008	S	97	D	\$ 122.09	23,089	D
Common Stock	01/08/2008	S	1,803	D	\$ 122.1	21,286	D
Common Stock	01/08/2008	S	1,300	D	\$ 122.14	19,986	D
Common Stock	01/08/2008	S	1,100	D	\$ 122.19	18,886	D
Common Stock	01/08/2008	S	2,056	D	\$ 122.25	16,830	D
Common Stock	01/08/2008	S	600	D	\$ 122.26	16,230	D
Common Stock	01/08/2008	S	200	D	\$ 122.28	16,030	D
Common Stock	01/08/2008	S	200	D	\$ 122.29	15,830	D
Common Stock	01/08/2008	S	100	D	\$ 122.31	15,730	D
	01/08/2008	S	800	D	\$ 122.32	14,930	D

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Common Stock								
Common Stock	01/08/2008		S	200	D	\$ 122.33	14,730	D
Common Stock	01/08/2008		S	100	D	\$ 122.34	14,630	D
Common Stock	01/08/2008		S	100	D	\$ 122.4	14,530	D
Common Stock	01/08/2008		S	900	D	\$ 122.47	13,630	D

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

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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 (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
Option (right to buy)	\$ 20.805	01/08/2008		M	5,666	11/15/2005 ⁽¹⁾ 10/28/2014	Common Stock	5,666
Option (right to buy)	\$ 29.2175	01/08/2008		M	4,440	11/15/2006 ⁽²⁾ 10/28/2015	Common Stock	4,440
Option (right to buy)	\$ 44.06	01/08/2008		M	3,050	11/15/2007 ⁽³⁾ 10/26/2016	Common Stock	3,050
Phantom Share Units	⁽⁴⁾	01/09/2008		I	617	⁽⁵⁾ ⁽⁵⁾	Common Stock	617

