

MONSANTO CO /NEW/
Form 4
January 17, 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 *
CLARK RICHARD B

(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)
01/15/2008

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)
Vice President and Controller

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	12/06/2007		G	V	190	D	\$ 0 50,662
Common Stock	12/07/2007		G	V	25	D	\$ 0 50,637
Common Stock	12/10/2007		G	V	385	D	\$ 0 50,252
Common Stock	01/15/2008		M ⁽¹⁾		11,267	A	\$ 20.805 61,519
Common Stock	01/15/2008		S ⁽¹⁾		1,200	D	\$ 127.17 60,319

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Common Stock	01/15/2008	<u>S(1)</u>	100	D	\$ 127.21	60,219	D	
Common Stock	01/15/2008	<u>S(1)</u>	100	D	\$ 127.23	60,119	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,100	D	\$ 127.24	59,019	D	
Common Stock	01/15/2008	<u>S(1)</u>	200	D	\$ 127.25	58,819	D	
Common Stock	01/15/2008	<u>S(1)</u>	800	D	\$ 127.27	58,019	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,300	D	\$ 127.29	56,719	D	
Common Stock	01/15/2008	<u>S(1)</u>	300	D	\$ 127.31	56,419	D	
Common Stock	01/15/2008	<u>S(1)</u>	700	D	\$ 127.39	55,719	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,500	D	\$ 127.41	54,219	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,000	D	\$ 127.5	53,219	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,000	D	\$ 127.51	52,219	D	
Common Stock	01/15/2008	<u>S(1)</u>	1,100	D	\$ 127.53	51,119	D	
Common Stock	01/15/2008	<u>S(1)</u>	767	D	\$ 127.69	50,352	D	
Common Stock	01/15/2008	<u>S(1)</u>	100	D	\$ 127.78	50,252	D	
Common Stock	01/16/2008	F	<u>1,274</u> (3)	D	\$ 112.7	48,978	D	
Common Stock						41	I	By 401(k) Plan
Common Stock						184	I	By Spouse/Children

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)

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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)		
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V (A) (D)		
Option (right to buy)	\$ 20.805	01/15/2008		M ⁽¹⁾	11,267	11/15/2005 ⁽²⁾	10/28/2014	Common Stock	11,267

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CLARK RICHARD B 800 N. LINDBERGH BLVD. ST LOUIS, MO 63167			Vice President and Controller	

Signatures

/s/ Christopher A. Martin, 01/17/2008
 Attorney-in-Fact Date
**Signature of Reporting Person

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) The sales and stock option exercise reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on July 5, 2007.
- (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 became exercisable on November 15, 2007, subject to the terms and conditions of the Monsanto Company Long-Term Incentive Plan.
- (3) On January 16, 2008, 3,000 shares of restricted stock became fully vested for which taxes became due and payable. 1,274 shares of restricted stock were used for the payment of these taxes.

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