

MONSANTO CO /NEW/  
Form 4  
January 14, 2008

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
**POSTE GEORGE**

2. Issuer Name and Ticker or Trading Symbol  
**MONSANTO CO /NEW/ [MON]**

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)

800 N. LINDBERGH BLVD.

3. Date of Earliest Transaction (Month/Day/Year)  
01/10/2008

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

(Street)

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

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

ST. LOUIS, MO 63167

(City) (State) (Zip)

**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 Ownership (Instr. 4)
			Code	V	Amount (A) or (D) Price		
Common Stock	01/10/2008		M		20,000 A \$ 8.1975	40,125	D
Common Stock	01/10/2008		S		9,500 D \$ 118.75	30,625	D
Common Stock	01/10/2008		S		300 D \$ 118.76	30,325	D
Common Stock	01/10/2008		S		1,600 D \$ 118.77	28,725	D
Common Stock	01/10/2008		S		1,000 D \$ 118.78	27,725	D
	01/10/2008		S		2,000 D \$ 118.8	25,725	D

Common Stock							
Common Stock	01/10/2008	S	2,700	D	\$ 118.81	23,025	D
Common Stock	01/10/2008	S	400	D	\$ 118.82	22,625	D
Common Stock	01/10/2008	S	700	D	\$ 118.83	21,925	D
Common Stock	01/10/2008	S	900	D	\$ 118.87	21,025	D
Common Stock	01/10/2008	S	800	D	\$ 118.88	20,225	D
Common Stock	01/10/2008	S	100	D	\$ 118.91	20,125	D

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)	\$ 8.1975	01/10/2008		M	20,000	02/19/2006	02/18/2013	Common Stock	20,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
POSTE GEORGE 800 N. LINDBERGH BLVD.	X			

ST. LOUIS, MO 63167

## Signatures

/s/ Christopher A. Martin,  
Attorney-in-Fact

01/14/2008

\_\_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).

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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