POSTE GEORGE Form 4/A November 02, 2004

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

3235-0287 January 31,

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OMB APPROVAL

Estimated average burden hours per response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

obligations may continue. See Instruction

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Ad POSTE GEO	•	orting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	MONSANTO CO /NEW/ [MON] 3. Date of Earliest Transaction	(Check all applicable)			
P.O. BOX 64	17	(Month/Day/Year) 04/30/2004		_X_ Director 10% Owner Officer (give title Other (specify below)			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year) 05/04/2004	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
GILBERTSV (City)	/ILLE, PA	19525 (Zin)		Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Table	e I - Non-D	erivative Securities Acq	uired, Disposed of	f, or Beneficial	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactio Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or	5. Amount of Securities Beneficially Owned Following Reported Transaction(s)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)

Code V Amount (D) Price 20 (1) Common 04/30/2004 A 5,318 (3) D Stock

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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8. Pri Deriv Secur (Instr

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. Transa Code (Instr.		5. onNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	;		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code	V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option (right to buy)	\$ 16.395						02/19/2006	02/18/2013	Common Stock	10,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
1	Director	10% Owner	Officer	Other			
POSTE GEORGE							
P.O. BOX 647	X						
GILBERTSVILLE, PA 19525							

Signatures

Christopher A. Martin, Attorney-in-Fact

**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).

Represents dividend equivalents with respect to shares of deferred common stock deliverable upon termination as a director under the Monsanto Company Non-Employee Director Equity Incentive Plan. Shares of stock are credited in the form of hypothetical shares to a

- (1) stock unit account in installments on the last day of each plan month during the director's term and for the payment of dividends. Shares of deferred stock not credited to the stock unit account because of termination as a director before the end of the director's term are forfeited.
- (2) This amount reflects correct amount of dividend equivalents.
- (3) Includes 5,204 shares of deferred common stock deliverable under the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan; and 114 shares of common stock issued as dividends with respect to such shares.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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