#### MONSANTO CO /NEW/

Form 4

October 31, 2006

## FORM 4

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

January 31, Expires: 2005

0.5

**OMB APPROVAL** 

Form 4 or Form 5 obligations may continue.

See Instruction

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

burden hours per response...

Estimated average

1(b).

Common

Stock

10/27/2006

(Print or Type Responses)

1. Name and A	Symbol	2. Issuer Name <b>and</b> Ticker or Trading Symbol MONSANTO CO /NEW/ [MON]			C	5. Relationship of Reporting Person(s) to Issuer			
(Last) 800 N. LIN	(First) (I	Middle) 3. Date of (Month/I	3. Date of Earliest Transaction (Month/Day/Year) 10/27/2006			- ',	_X_ DirectorOfficer (give below)		Owner r (specify
ST. LOUIS	(Street)		endment, Day/Year		ıl		6. Individual or Jo Applicable Line) _X_ Form filed by C Form filed by M Person	•	rson
(City)	(State)	(Zip) Tab	le I - Non-I	Derivative	Securi	ties Acq	uired, Disposed of	, or Beneficiall	y 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. Securion(A) or Di (Instr. 3,	sposed	of (D)	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)

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

A

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.

30,438

D

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

#### Edgar Filing: MONSANTO CO /NEW/ - Form 4

	. Title of	2.	3. Transaction Date (Month/Day/Year)		4.	5.	6. Date Exerc		7. Title and	8. Price of	9. Nu Derix
5	Derivative Security Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transacti Code (Instr. 8)	Securities Acquired (A) or Disposed of (D) (Instr. 3,			Amount of Underlying Securities (Instr. 3 and 4	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
					Code V	4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title Amour or Number of	er	

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
KING GWENDOLYN S 800 N. LINDBERGH BLVD.	X						
ST. LOUIS, MO 63167							

# **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 Compensation Plan. Shares of stock are credited in the form of

(1) hypothetical shares to a 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.

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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