KING GWENDOLYN S

Form 4

November 02, 2009

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 Estimated average

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...

1(b).

Common

Stock

10/30/2009

(Print or Type Responses)

1. Name and Address of Reporting Person ** KING GWENDOLYN S			Issuer Name and Ticker or Trading Symbol MONSANTO CO /NEW/ [MON] Date of Earliest Transaction					5. Relationship of Reporting Person(s) to Issuer			
							(Check all applicable)				
(Last)	(First) (1	Middle)			ansaction			_X_ Director	10%	Owner	
800 N. LINDBERGH BLVD.			(Month/Day/Year) 10/30/2009					Officer (give below)		er (specify	
(Street)			4. If Amendment, Date Original					6. Individual or Joint/Group Filing(Check			
ST. LOUIS,	, MO 63167		Filed(Mon	th/Day/Year)			Applicable Line) _X_ Form filed by O Form filed by M Person	1 0		
(City)	(State)	(Zip)	Table	e I - Non-D	erivative S	Securit	ties Acq	uired, Disposed of	f, or Beneficial	ly Owned	
1.Title of	2. Transaction Date	e 2A. Deer	ned	3.	4. Securit	ies Ac	quired	5. Amount of	6. Ownership	7. Nature of	
Security (Instr. 3)	(Month/Day/Year)	any	n Date, if Day/Year)	Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)				Beneficially (D) or Bene Owned Indirect (I) Own	Indirect Beneficial Ownership (Instr. 4)		
				Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(mour I)	(111541. 1)	

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.

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34,806

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

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

Reporting Owners

Reporting Owner Name / Address	Relationships					
Transfer de la companya de la compan	Director	10% Owner	Officer Othe			
KING GWENDOLYN S	v					
800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167	X					

Signatures

Jennifer L. Woods, 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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