MONSANTO CO /NEW/

Form 4 April 17, 2012

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

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

1(b).

(City)

(State)

(Zip)

(Print or Type Responses)

1. Name and Address of Reporting Person * STEVENS ROBERT J			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)	3. Date of Earliest Transaction	(choir un approuose)		
800 N. LINDBERGH BLVD.			(Month/Day/Year) 04/13/2012	X Director 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
ST. LOUIS, M	4O 63167		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(- 3)	()	1ab	ie i - Non-	Derivative	Secur	ities Acqui	rea, Disposea of	or Beneficial	y Ownea
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securit bor Dispos (Instr. 3, 4	ed of (4 and 5 (A) or	` ′	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)
Common Stock	04/13/2012		M	20,000	(D)	\$ 8.325	76,301	D	
Common Stock	04/13/2012		S	20,000	D	\$ 77.302	56,301	D	

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 I - Non-Derivative Securities Acquired Disposed of or Reneficially Owned

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

1. Title o	of 2.	3. Transaction Date	3A. Deemed	4.		5. Nı	ımber of	6. Date Exercis	sable and	7. Title and A	Amount o
Derivativ	ve Conversion	(Month/Day/Year)	Execution Date, if	Transa	actio	nDeri	vative	Expiration Date		Underlying Securities	
Security	or Exercise		any	Code		Secu	rities	(Month/Day/Y	ear)	(Instr. 3 and	4)
(Instr. 3)	Price of		(Month/Day/Year)	(Instr.	8)	Acqu	iired (A)				
	Derivative					or D	isposed of				
	Security					(D)					
						(Inst	r. 3, 4,				
						and 5	5)				
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Number of Share
						()	(-)				
Option (Right b Buy)	N X 1/7	04/13/2012		M	V		20,000	09/18/2005	09/18/2012(3)	Common Stock	20,00

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
STEVENS ROBERT J 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).
- This price represents the weighted average sale price for multiple transactions reported on this line. The price of the transactions reported (1) on this line ranged from \$77.30 to \$77.33. Upon request by the Commission staff, the issuer or a security holder of the issuer, the reporting person will undertake to provide full information regarding the number of shares sold at each separate price.
- The original exercise price was \$16.65 but was incorrectly reported as \$16.375 on Form 4s filed on 9/20/2002 and subsequently. Upon a 2-for-1 split of Monsanto Company common stock on 7/28/2006, the adjusted exercise price was incorrectly reported as \$8.1875 on a Form 4 filed on 8/1/2006.
- (3) The expiration date was incorrectly reported as 9/17/2012 on Form 4s filed since 9/20/2002.

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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