

MONSANTO CO /NEW/  
Form 4  
April 03, 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 \*  
CREWS TERRELL K

(Last) (First) (Middle)  
800 N. LINDBERGH BLVD.  
  
(Street)

ST. LOUIS, MO 63167

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
04/01/2008

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
EVP, CFO & Seminis CEO

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

**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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(D)	Price
Common Stock	04/01/2008		S <sup>(1)</sup>		1,000	D	\$ 110.96 168,260
Common Stock	04/01/2008		S <sup>(1)</sup>		200	D	\$ 110.97 168,060
Common Stock	04/01/2008		S <sup>(1)</sup>		490	D	\$ 110.98 167,570
Common Stock	04/01/2008		S <sup>(1)</sup>		100	D	\$ 110.99 167,470
Common Stock	04/01/2008		S <sup>(1)</sup>		400	D	\$ 111.05 167,070

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Common Stock	04/01/2008	<u>S(1)</u>	800	D	\$ 111.14	166,270	D	
Common Stock	04/01/2008	<u>S(1)</u>	100	D	\$ 111.18	166,170	D	
Common Stock	04/01/2008	<u>S(1)</u>	200	D	\$ 111.2	165,970	D	
Common Stock	04/01/2008	<u>S(1)</u>	100	D	\$ 111.21	165,870	D	
Common Stock	04/01/2008	<u>S(1)</u>	300	D	\$ 111.24	165,570	D	
Common Stock	04/01/2008	<u>S(1)</u>	100	D	\$ 111.31	165,470	D	
Common Stock	04/01/2008	<u>S(1)</u>	200	D	\$ 111.32	165,270	D	
Common Stock	04/01/2008	<u>S(1)</u>	200	D	\$ 111.41	165,070	D	
Common Stock	04/01/2008	<u>S(1)</u>	100	D	\$ 111.43	164,970	D	
Common Stock	04/01/2008	<u>S(1)</u>	1,010	D	\$ 111.45	163,960	D	
Common Stock	04/01/2008	<u>S(1)</u>	700	D	\$ 111.46	163,260	D	
Common Stock	04/01/2008	<u>S(1)</u>	200	D	\$ 111.48	163,060	D	
Common Stock	04/01/2008	<u>S(1)</u>	1,400	D	\$ 111.5	161,660	D	
Common Stock	04/01/2008	<u>S(1)</u>	300	D	\$ 111.535	161,360	D	
Common Stock	04/01/2008	<u>S(1)</u>	100	D	\$ 111.55	161,260	D	
Common Stock	04/01/2008	<u>S(1)</u>	200	D	\$ 111.7	161,060	D	
Common Stock	04/01/2008	<u>S(1)</u>	900	D	\$ 111.74	160,160	D	
Common Stock						6,514	I	By 401(k) Plan

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)	8. Price of Derivative Security (Instr. 5)	9. Number of Derivative Securities Owned Following Reporting Transaction (Instr. 6)
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
CREWS TERRELL K 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167			EVP, CFO & Seminis CEO	

## Signatures

Christopher A. Martin, Attorney-in-Fact  
Date: 04/03/2008

\*\*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).
- (1) The sales reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on July 11, 2007.

### Remarks:

The Reporting Person had multiple transactions on April 1, 2008. Due to a limitation on the number of transactions that can be reported on this form, only the most recent transactions are shown.

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.