

MONSANTO CO /NEW/  
Form 4  
February 19, 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)  
02/15/2008

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 or Price		
Common Stock	02/15/2008		S <sup>(1)</sup>		200	D	\$ 115.6 165,060
Common Stock	02/15/2008		S <sup>(1)</sup>		100	D	\$ 115.647 164,960
Common Stock	02/15/2008		S <sup>(1)</sup>		100	D	\$ 115.665 164,860
Common Stock	02/15/2008		S <sup>(1)</sup>		100	D	\$ 115.715 164,760
Common Stock	02/15/2008		S <sup>(1)</sup>		100	D	\$ 115.72 164,660

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Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 115.74	164,560	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 115.79	164,360	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 115.81	164,160	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 115.89	164,060	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 115.93	163,960	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 115.95	163,760	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 115.97	163,660	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 115.99	163,460	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116	163,360	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 116.006	163,160	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116.008	163,060	D	
Common Stock	02/15/2008	<u>S(1)</u>	1,500	D	\$ 116.01	161,560	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116.016	161,460	D	
Common Stock	02/15/2008	<u>S(1)</u>	200	D	\$ 116.02	161,260	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116.04	161,160	D	
Common Stock	02/15/2008	<u>S(1)</u>	800	D	\$ 116.05	160,360	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116.08	160,260	D	
Common Stock	02/15/2008	<u>S(1)</u>	100	D	\$ 116.1	160,160	D	
Common Stock						6,440	I	By 401(k) Plan

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

**Persons who respond to the collection of information contained in this form are not**

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(9-02)

