

MONSANTO CO /NEW/
Form 4
November 20, 2007

FORM 4

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

OMB APPROVAL

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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 *
FRALEY ROBERT T

(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)
11/16/2007

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, Chief Technology Officer

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 Ownership (Instr. 4)
				(A) or (D)	Price		
Common Stock	11/16/2007		S(1)	400 D	\$ 93.67	127,032	D
Common Stock	11/16/2007		S(1)	350 D	\$ 93.68	126,682	D
Common Stock	11/16/2007		S(1)	300 D	\$ 93.685	126,382	D
Common Stock	11/16/2007		S(1)	350 D	\$ 93.69	126,032	D
Common Stock	11/16/2007		S(1)	100 D	\$ 93.691	125,932	D

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Common Stock	11/16/2007	<u>S(1)</u>	800	D	\$ 93.693	125,132	D	
Common Stock	11/16/2007	<u>S(1)</u>	1,400	D	\$ 93.7	123,732	D	
Common Stock	11/16/2007	<u>S(1)</u>	500	D	\$ 93.707	123,232	D	
Common Stock	11/16/2007	<u>S(1)</u>	600	D	\$ 93.71	122,632	D	
Common Stock	11/16/2007	<u>S(1)</u>	900	D	\$ 93.72	121,732	D	
Common Stock	11/16/2007	<u>S(1)</u>	800	D	\$ 93.727	120,932	D	
Common Stock	11/16/2007	<u>S(1)</u>	500	D	\$ 93.728	120,432	D	
Common Stock	11/16/2007	<u>S(1)</u>	400	D	\$ 93.73	120,032	D	
Common Stock	11/16/2007	<u>S(1)</u>	1,100	D	\$ 93.737	118,932	D	
Common Stock	11/16/2007	<u>S(1)</u>	800	D	\$ 93.739	118,132	D	
Common Stock	11/16/2007	<u>S(1)</u>	100	D	\$ 93.74	118,032	D	
Common Stock	11/16/2007	<u>S(1)</u>	100	D	\$ 93.745	117,932	D	
Common Stock	11/16/2007	<u>S(1)</u>	200	D	\$ 93.75	117,732	D	
Common Stock	11/16/2007	<u>S(1)</u>	380	D	\$ 93.76	117,352	D	
Common Stock	11/16/2007	<u>S(1)</u>	200	D	\$ 93.81	117,152	D	
Common Stock	11/16/2007	<u>S(1)</u>	500	D	\$ 93.82	116,652	D	
Common Stock	11/16/2007	<u>S(1)</u>	100	D	\$ 93.84	116,552	D	
Common Stock	11/16/2007	<u>S(1)</u>	200	D	\$ 93.85	116,352	D	
Common Stock	11/16/2007	<u>S(1)</u>	200	D	\$ 93.89	116,152	D	
Common Stock						8,981	I	By 401(k) Plan
						32,127	I	

Remarks:

The Reporting Person had multiple transactions on November 16, 2007. Due to a limitation on the number of transactions that can be electronically filed on Form 4, the Reporting Person is reporting these transactions on five separate Form 4s. This Form 4 is 5 of 5.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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