

MONSANTO CO /NEW/
Form 4
July 09, 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 *
CLARK RICHARD B

(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)
07/05/2007

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)
Vice President and Controller

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)
				(A) or (D)	Price		
Common Stock	07/05/2007		M	V	Amount \$ 8.0725	58,278	D
Common Stock	07/05/2007		S		\$ 66.53	58,078	D
Common Stock	07/05/2007		S		\$ 66.55	57,578	D
Common Stock	07/05/2007		S		\$ 66.56	54,378	D
Common Stock	07/05/2007		S		\$ 66.57	53,978	D

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Common Stock	07/05/2007	S	600	D	\$ 66.58	53,378	D	
Common Stock	07/05/2007	S	400	D	\$ 66.6	52,978	D	
Common Stock	07/05/2007	S	200	D	\$ 66.61	52,778	D	
Common Stock	07/05/2007	S	300	D	\$ 66.62	52,478	D	
Common Stock	07/05/2007	S	100	D	\$ 66.64	52,378	D	
Common Stock	07/05/2007	S	400	D	\$ 66.65	51,978	D	
Common Stock	07/05/2007	S	200	D	\$ 66.66	51,778	D	
Common Stock	07/05/2007	S	500	D	\$ 66.67	51,278	D	
Common Stock	07/05/2007	S	200	D	\$ 66.71	51,078	D	
Common Stock	07/05/2007	S	100	D	\$ 66.74	50,978	D	
Common Stock	07/05/2007	S	300	D	\$ 66.75	50,678	D	
Common Stock	07/05/2007	S	700	D	\$ 66.76	49,978	D	
Common Stock	07/05/2007	S	500	D	\$ 66.77	49,478	D	
Common Stock	07/05/2007	S	100	D	\$ 66.83	49,378	D	
Common Stock	07/05/2007	S	500	D	\$ 66.81	48,878	D	
Common Stock	07/05/2007	S	700	D	\$ 66.8	48,178	D	
Common Stock	07/05/2007	S	1,300	D	\$ 66.78	46,878	D	
Common Stock	07/05/2007	S	700	D	\$ 66.79	46,178	D	
Common Stock	07/05/2007	S	566	D	\$ 66.82	45,612	D	
Common Stock	07/05/2007	I	8,223	D	\$ 66.41	0	I	By 401(k) Plan
						184	I	

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One-third of the options became exercisable on April 25, 2004, one-third of the options became exercisable on March 15, 2005 and one-third of the options became exercisable on March 15, 2006, subject to the terms of the Monsanto Company Long Term Incentive Plan.

- (2) 1 for 1
- (3) The reported phantom share units were acquired under Monsanto Company's excess benefit plan and are to be settled upon the reporting person's retirement or other termination of service.

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