

CREWS TERRELL K
Form 4
July 11, 2005

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)
07/07/2005

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 and CFO

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)
			Code	V	Amount	(D)	Price
Common Stock	07/07/2005		M		150,000	A	\$ 20
Common Stock	07/07/2005		S		8,800	D	\$ 60.8
Common Stock	07/07/2005		S		7,200	D	\$ 60.81
Common Stock	07/07/2005		S		1,300	D	\$ 60.82
Common Stock	07/07/2005		S		400	D	\$ 60.83

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Common Stock	07/07/2005	S	100	D	\$ 60.84	145,200	D
Common Stock	07/07/2005	S	12,200	D	\$ 60.85	133,000	D
Common Stock	07/07/2005	S	1,400	D	\$ 60.88	131,600	D
Common Stock	07/07/2005	S	2,100	D	\$ 60.89	129,500	D
Common Stock	07/07/2005	S	20,000	D	\$ 60.9	109,500	D
Common Stock	07/07/2005	S	1,500	D	\$ 60.91	108,000	D
Common Stock	07/07/2005	S	2,500	D	\$ 60.92	105,500	D
Common Stock	07/07/2005	S	800	D	\$ 60.93	104,700	D
Common Stock	07/07/2005	S	1,600	D	\$ 60.94	103,100	D
Common Stock	07/07/2005	S	1,400	D	\$ 60.95	101,700	D
Common Stock	07/07/2005	S	600	D	\$ 60.96	101,100	D
Common Stock	07/07/2005	S	13,400	D	\$ 61	87,700	D
Common Stock	07/07/2005	S	10,100	D	\$ 61.01	77,600	D
Common Stock	07/07/2005	S	500	D	\$ 61.02	77,100	D
Common Stock	07/07/2005	S	300	D	\$ 61.03	76,800	D
Common Stock	07/07/2005	S	11,000	D	\$ 61.04	65,800	D
Common Stock	07/07/2005	S	11,500	D	\$ 61.05	54,300	D
Common Stock	07/07/2005	S	3,100	D	\$ 61.06	51,200	D
Common Stock	07/07/2005	S	1,300	D	\$ 61.09	49,900	D
Common Stock	07/07/2005	S	6,000	D	\$ 61.1	43,900	D
	07/07/2005	S	400	D		43,500	D

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Common Stock					\$ 61.14		
Common Stock	07/07/2005	S	1,100	D	\$ 61.15	42,400	D
Common Stock	07/07/2005	S	8,800	D	\$ 61.17	33,600	D
Common Stock	07/07/2005	S	200	D	\$ 61.18	33,400	D
Common Stock	07/07/2005	S	300	D	\$ 61.19	33,100	D

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

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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)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount Number Shares
Option (right to buy)	\$ 20	07/07/2005		M	150,000	03/15/2002 ⁽¹⁾ 10/16/2010	Common Stock 150,000

Reporting Owners

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

Signatures

Jennifer L. Woods,
Attorney-in-Fact

07/11/2005

**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) 50% of the options became exercisable on each of March 15, 2002 and March 15, 2003.

Remarks:

The Reporting Person had multiple transactions on July 7, 2005. Due to a limitation on the number of transactions that can be

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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