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
__X__ Officer (give title below) _____ Other (specify below)
EVP, CFO & Seminis CEO

6. Individual or Joint/Group Filing(Check Applicable Line)
_X_ 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	(A) or (D)	Price			
Common Stock	04/01/2008		S(1)		100	D	$ 108.54	196,488	D	
Common Stock	04/01/2008		S(1)		900	D	$ 108.57	195,588	D	
Common Stock	04/01/2008		S(1)		100	D	$ 108.68	195,488	D	
Common Stock	04/01/2008		S(1)		100	D	$ 108.7	195,388	D	
Common Stock	04/01/2008		S(1)		900	D	$ 108.74	194,488	D	

Common Stock	04/01/2008		S[(1)]	100	D	$ 108.93	194,388	D
Common Stock	04/01/2008		S[(1)]	1,000	D	$ 108.94	193,388	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 109.07	193,188	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 109.094	192,988	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.1	192,888	D
Common Stock	04/01/2008		S[(1)]	900	D	$ 109.13	191,988	D
Common Stock	04/01/2008		S[(1)]	300	D	$ 109.18	191,688	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.21	191,588	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.223	191,488	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.23	191,388	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.24	191,288	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.247	191,188	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.267	191,088	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 109.32	190,888	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.33	190,788	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.34	190,688	D
Common Stock	04/01/2008		S[(1)]	900	D	$ 109.35	189,788	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.41	189,688	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 109.43	189,488	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 109.45	189,388	D
	04/01/2008		S[(1)]	100	D	$ 109.47	189,288	D

Common Stock									
Common Stock	04/01/2008		S(1)		800	D	$ 109.48	188,488	D
Common Stock	04/01/2008		S(1)		100	D	$ 109.6	188,388	D
Common Stock	04/01/2008		S(1)		200	D	$ 109.61	188,188	D
Common Stock	04/01/2008		S(1)		100	D	$ 109.66	188,088	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)		8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				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	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 b

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