MONSANTO CO /NEW/
Form 4
April 03, 2008

FORM 4

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. *See* Instruction 1(b).

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

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

OMB APPROVAL

OMB Number:	3235-0287
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(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		M (1)		24,000	A	$ 8.0725	184,160	D	
Common Stock	04/01/2008		M (1)		35,580	A	$ 10.6475	219,740	D	
Common Stock	04/01/2008		S (1)		200	D	$ 104.86	219,540	D	
Common Stock	04/01/2008		S (1)		100	D	$ 104.91	219,440	D	
Common Stock	04/01/2008		S (1)		100	D	$ 104.94	219,340	D	

Common Stock	04/01/2008		S[(1)]	135	D	$ 104.98	219,205	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105	219,105	D
Common Stock	04/01/2008		S[(1)]	1,300	D	$ 105.02	217,805	D
Common Stock	04/01/2008		S[(1)]	300	D	$ 105.05	217,505	D
Common Stock	04/01/2008		S[(1)]	300	D	$ 105.14	217,205	D
Common Stock	04/01/2008		S[(1)]	400	D	$ 105.2	216,805	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.22	216,705	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.23	216,605	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.24	216,505	D
Common Stock	04/01/2008		S[(1)]	400	D	$ 105.25	216,105	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.28	216,005	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.3	215,905	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.34	215,805	D
Common Stock	04/01/2008		S[(1)]	300	D	$ 105.35	215,505	D
Common Stock	04/01/2008		S[(1)]	1,300	D	$ 105.36	214,205	D
Common Stock	04/01/2008		S[(1)]	1,100	D	$ 105.41	213,105	D
Common Stock	04/01/2008		S[(1)]	280	D	$ 105.45	212,825	D
Common Stock	04/01/2008		S[(1)]	300	D	$ 105.48	212,525	D
Common Stock	04/01/2008		S[(1)]	1,200	D	$ 105.53	211,325	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 105.55	211,125	D
	04/01/2008		S[(1)]	200	D	$ 105.57	210,925	D

Common Stock								
Common Stock	04/01/2008		S[(1)]	20	D	$ 105.59	210,905	D
Common Stock	04/01/2008		S[(1)]	100	D	$ 105.6	210,805	D
Common Stock	04/01/2008		S[(1)]	865	D	$ 105.62	209,940	D
Common Stock	04/01/2008		S[(1)]	200	D	$ 105.64	209,740	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 o Underlying Securities (Instr. 3 and 4)	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amoun or Numbe of Shar
Option (Right to Buy)	$ 8.0725	04/01/2008		M[(1)]			24,000	04/25/2004[(2)]	04/24/2013	Common Stock	24,00
Option (Right to Buy)	$ 10.6475	04/01/2008		M[(1)]			35,580	06/17/2004[(3)]	06/16/2013	Common Stock	35,58

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 and stock option exercise reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on July 11, 2007.
(2)	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.
(3)	One-third of the options became exercisable on June 17, 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 and conditions of the Monsanto Company Long Term Incentive Plan.

Remarks:

The Reporting Person had multiple transactions on April 1, 2008. Due to a limitation on the number of transactions that can b

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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