MONSANTO CO /NEW/

Form 4 April 03, 2008

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

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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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * CREWS TERRELL K			2. Issuer Name and Ticker or Trading Symbol MONSANTO CO /NEW/ [MON]	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
800 N. LINDBERGH BLVD.			(Month/Day/Year) 04/01/2008	Director 10% OwnerX_ Officer (give title Other (specify below) EVP, CFO & Seminis CEO			
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person			
ST. LOUIS,	MO 63167			Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Ac	quired, Disposed of, or Beneficially Owne			

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative	Secui	rities Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transactic Code (Instr. 8)	4. Securi on(A) or D (Instr. 3,	(A) or	d of (D)	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)
Common Stock	04/01/2008		$S_{(1)}^{(1)}$	1,538	D	\$ 105.65	208,202	D	
Common Stock	04/01/2008		S <u>(1)</u>	100	D	\$ 105.69	208,102	D	
Common Stock	04/01/2008		S(1)	150	D	\$ 105.7	207,952	D	
Common Stock	04/01/2008		S(1)	300	D	\$ 105.71	207,652	D	
Common Stock	04/01/2008		S(1)	250	D	\$ 105.76	207,402	D	

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Common Stock	04/01/2008	S <u>(1)</u>	200	D	\$ 105.92	207,202	D
Common Stock	04/01/2008	S <u>(1)</u>	100	D	\$ 106	207,102	D
Common Stock	04/01/2008	S(1)	700	D	\$ 106.13	206,402	D
Common Stock	04/01/2008	S(1)	300	D	\$ 106.15	206,102	D
Common Stock	04/01/2008	S <u>(1)</u>	200	D	\$ 106.33	205,902	D
Common Stock	04/01/2008	S <u>(1)</u>	1,100	D	\$ 106.39	204,802	D
Common Stock	04/01/2008	S(1)	714	D	\$ 106.41	204,088	D
Common Stock	04/01/2008	S(1)	100	D	\$ 106.42	203,988	D
Common Stock	04/01/2008	S(1)	300	D	\$ 106.55	203,688	D
Common Stock	04/01/2008	S(1)	1,100	D	\$ 106.57	202,588	D
Common Stock	04/01/2008	S(1)	82	D	\$ 106.58	202,506	D
Common Stock	04/01/2008	S(1)	118	D	\$ 106.6	202,388	D
Common Stock	04/01/2008	S(1)	1,300	D	\$ 106.71	201,088	D
Common Stock	04/01/2008	S(1)	100	D	\$ 106.82	200,988	D
Common Stock	04/01/2008	S(1)	500	D	\$ 107	200,488	D
Common Stock	04/01/2008	S(1)	300	D	\$ 107.5	200,188	D
Common Stock	04/01/2008	S(1)	100	D	\$ 107.52	200,088	D
Common Stock	04/01/2008	S(1)	700	D	\$ 107.57	199,388	D
Common Stock	04/01/2008	S(1)	200	D	\$ 107.62	199,188	D
Common Stock	04/01/2008	S(1)	1,000	D	\$ 107.78	198,188	D
	04/01/2008	S <u>(1)</u>	200	D		197,988	D

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Common Stock					\$ 108.09		
Common Stock	04/01/2008	S <u>(1)</u>	1,100	D	\$ 108.14	196,888	D
Common Stock	04/01/2008	S(1)	100	D	\$ 108.42	196,788	D
Common Stock	04/01/2008	S <u>(1)</u>	100	D	\$ 108.46	196,688	D
Common Stock	04/01/2008	S <u>(1)</u>	100	D	\$ 108.47	196,588	D

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

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(9-02)

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)	4. Transacti Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:	ate	Secur	unt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owno Follo Repo Trans (Instr
			Code V	, ,	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address		Relationships	
	 4004 0	0.00	~ .

Director 10% Owner Officer Other

CREWS TERRELL K

800 N. LINDBERGH BLVD. EVP, CFO & Seminis CEO

ST. LOUIS, MO 63167

Signatures

Christopher A. Martin, Attorney-in-Fact 04/03/2008

Reporting Owners 3

**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 be Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 4