

BEGEMANN BRETT D
 Form 4
 February 06, 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 *
BEGEMANN BRETT D

2. Issuer Name and Ticker or Trading Symbol
MONSANTO CO /NEW/ [MON]

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

(Last) (First) (Middle)
800 N. LINDBERGH BLVD.

3. Date of Earliest Transaction (Month/Day/Year)
02/04/2008

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)

EVP-Global Commercial

(Street)

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

ST. LOUIS, MO 63167

(City) (State) (Zip)

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 or Price		
Common Stock	02/04/2008		M ⁽¹⁾		24,925 A \$ 20.805	106,939	D
Common Stock	02/04/2008		S ⁽¹⁾		100 D \$ 115.3	106,839	D
Common Stock	02/04/2008		S ⁽¹⁾		300 D \$ 115.31	106,539	D
Common Stock	02/04/2008		S ⁽¹⁾		700 D \$ 115.32	105,839	D
Common Stock	02/04/2008		S ⁽¹⁾		200 D \$ 115.33	105,639	D

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Common Stock	02/04/2008	<u>S(1)</u>	800	D	\$ 115.35	104,839	D
Common Stock	02/04/2008	<u>S(1)</u>	700	D	\$ 115.37	104,139	D
Common Stock	02/04/2008	<u>S(1)</u>	600	D	\$ 115.39	103,539	D
Common Stock	02/04/2008	<u>S(1)</u>	100	D	\$ 115.48	103,439	D
Common Stock	02/04/2008	<u>S(1)</u>	400	D	\$ 115.49	103,039	D
Common Stock	02/04/2008	<u>S(1)</u>	9,800	D	\$ 115.5	93,239	D
Common Stock	02/04/2008	<u>S(1)</u>	400	D	\$ 115.52	92,839	D
Common Stock	02/04/2008	<u>S(1)</u>	600	D	\$ 115.53	92,239	D
Common Stock	02/04/2008	<u>S(1)</u>	700	D	\$ 115.55	91,539	D
Common Stock	02/04/2008	<u>S(1)</u>	800	D	\$ 115.56	90,739	D
Common Stock	02/04/2008	<u>S(1)</u>	700	D	\$ 115.57	90,039	D
Common Stock	02/04/2008	<u>S(1)</u>	900	D	\$ 115.58	89,139	D
Common Stock	02/04/2008	<u>S(1)</u>	100	D	\$ 115.59	89,039	D
Common Stock	02/04/2008	<u>S(1)</u>	900	D	\$ 115.6	88,139	D
Common Stock	02/04/2008	<u>S(1)</u>	200	D	\$ 115.61	87,939	D
Common Stock	02/04/2008	<u>S(1)</u>	800	D	\$ 115.62	87,139	D
Common Stock	02/04/2008	<u>S(1)</u>	300	D	\$ 115.63	86,839	D
Common Stock	02/04/2008	<u>S(1)</u>	225	D	\$ 115.64	86,614	D
Common Stock	02/04/2008	<u>S(1)</u>	200	D	\$ 115.65	86,414	D
Common Stock	02/04/2008	<u>S(1)</u>	587	D	\$ 115.66	85,827	D
	02/04/2008	<u>S(1)</u>	413	D		85,414	D

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Common Stock					\$			
					115.68			
Common Stock	02/04/2008		S ⁽¹⁾	300	D	\$	85,114	D
						115.69		
Common Stock	02/04/2008		S ⁽¹⁾	113	D	\$	85,001	D
						115.7		
Common Stock	02/04/2008		S ⁽¹⁾	100	D	\$	84,901	D
						115.71		
Common Stock	02/04/2008		S ⁽¹⁾	187	D	\$	84,714	D
						115.72		

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)
Option (Right to Buy)	\$ 20.805	02/04/2008		M ⁽¹⁾	24,925	11/15/2005 ⁽²⁾ 10/28/2014	Common Stock 24,925

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
BEGEMANN BRETT D 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167			EVP-Global Commercial	

Signatures

Christopher A. Martin,
Attorney-in-Fact

02/06/2008

__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 9, 2007.

One third of the options became exercisable on November 15, 2005, one-third of the options became exercisable on November 15, 2006
- (2) and one-third of the options became exercisable on November 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.

Remarks:

The Reporting Person had multiple transactions on February 4, 2008. Due to a limitation on the number of transactions that ca

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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