

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)  
**ST. LOUIS, MO 63167**

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

(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 Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock	02/04/2008		M <sup>(1)</sup>		24,925	A	\$ 20.805
Common Stock	02/04/2008		S <sup>(1)</sup>		100	D	\$ 115.3
Common Stock	02/04/2008		S <sup>(1)</sup>		300	D	\$ 115.31
Common Stock	02/04/2008		S <sup>(1)</sup>		700	D	\$ 115.32
Common Stock	02/04/2008		S <sup>(1)</sup>		200	D	\$ 115.33

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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 <sup>(1)</sup>	300	D	\$	85,114	D
						115.69		
Common Stock	02/04/2008		S <sup>(1)</sup>	113	D	\$	85,001	D
						115.7		
Common Stock	02/04/2008		S <sup>(1)</sup>	100	D	\$	84,901	D
						115.71		
Common Stock	02/04/2008		S <sup>(1)</sup>	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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(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)	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 <sup>(1)</sup>	24,925	11/15/2005 <sup>(2)</sup> 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

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