

BEGEMANN BRETT D
 Form 4
 February 06, 2008

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
 Expires: January 31, 2005
 Estimated average burden hours per response... 0.5

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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.
 (Street)

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

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
EVP-Global Commercial

ST. LOUIS, MO 63167
 (City) (State) (Zip)

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

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|--|
| | | | | Code V Amount (A) or (D) Price | | | |
| Common Stock | 02/04/2008 | | S(1) | 300 D \$ 115.73 | 84,414 | D | |
| Common Stock | 02/04/2008 | | S(1) | 1,000 D \$ 115.75 | 83,414 | D | |
| Common Stock | 02/04/2008 | | S(1) | 100 D \$ 115.77 | 83,314 | D | |
| Common Stock | 02/04/2008 | | S(1) | 1,200 D \$ 115.8 | 82,114 | D | |
| Common Stock | 02/04/2008 | | S(1) | 100 D \$ 115.82 | 82,014 | D | |

Common Stock 5,085 I By 401(k) Plan

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. Number of Derivative Securities Beneficially Owned (Instr. 5) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|--|

Reporting Owners

| Reporting Owner Name / Address | Relationships |
|---|---|
| BEGEMANN BRETT D 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167 | Director 10% Owner Officer Other 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 reported on this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on July 9, 2007.

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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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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