

MONSANTO CO /NEW/  
Form 4  
November 17, 2006

**FORM 4**

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

OMB APPROVAL

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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 \*  
**FRALEY ROBERT T**

(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)  
11/15/2006

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

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_\_ Director \_\_\_\_\_ 10% Owner  
 Officer (give title below) \_\_\_\_\_ Other (specify below)  
EVP, Chief Technology Officer

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 Beneficial Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |   |
| Common Stock                    | 11/15/2006                           |  | S <sup>(1)</sup>               | 300 D   | \$ 46.67  | 108,742  | D   |
| Common Stock                    | 11/15/2006                           |  | S <sup>(1)</sup>               | 525 D   | \$ 46.68  | 108,217  | D   |
| Common Stock                    | 11/15/2006                           |  | S <sup>(1)</sup>               | 800 D   | \$ 46.69  | 107,417  | D   |
| Common Stock                    | 11/15/2006                           |  | S <sup>(1)</sup>               | 775 D   | \$ 46.71  | 106,642  | D   |
| Common Stock                    | 11/15/2006                           |  | S <sup>(1)</sup>               | 300 D   | \$ 46.73  | 106,342  | D   |

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|              |            |             |       |   |           |         |   |                     |
|--------------|------------|-------------|-------|---|-----------|---------|---|---------------------|
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,500 | D | \$ 46.74  | 104,842 | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 100   | D | \$ 46.749 | 104,742 | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,653 | D | \$ 46.76  | 103,089 | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,603 | D | \$ 46.77  | 101,486 | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 2,100 | D | \$ 46.78  | 99,386  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 2,800 | D | \$ 46.79  | 96,586  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 4,200 | D | \$ 46.8   | 92,386  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,100 | D | \$ 46.83  | 91,286  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 3,550 | D | \$ 46.84  | 87,736  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 2,500 | D | \$ 46.86  | 85,236  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 735   | D | \$ 46.88  | 84,501  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,665 | D | \$ 46.89  | 82,836  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 700   | D | \$ 46.9   | 82,136  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,625 | D | \$ 46.91  | 80,511  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 25    | D | \$ 46.925 | 80,486  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 3,800 | D | \$ 46.95  | 76,686  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 2,200 | D | \$ 46.96  | 74,486  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 700   | D | \$ 46.97  | 73,786  | D |                     |
| Common Stock | 11/15/2006 | <u>S(1)</u> | 1,200 | D | \$ 47.05  | 72,586  | D |                     |
| Common Stock |            |             |       |   |           | 36,520  | I | By Grantor Retained |



**Remarks:**

The Reporting Person had multiple transactions on November 15, 2006. Due to a limitation on the number of transactions that

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