MONSANTO CO /NEW/

Form 4

November 01, 2005

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

3235-0287 Number:

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OMB APPROVAL

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Check this box

SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

may continue. See Instruction Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

Form 5

obligations

(Print or Type Responses)

1. Name and Address of Reporting Person * **HOLLOWAY JANET M**

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

MONSANTO CO /NEW/ [MON]

(Check all applicable)

VP & Chief of Staff

(First) (Last)

(Middle)

3. Date of Earliest Transaction

Director 10% Owner

(Month/Day/Year) 800 N. LINDBERGH BLVD. 10/28/2005

X_ Officer (give title Other (specify

4. If Amendment, Date Original

6. Individual or Joint/Group Filing(Check

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

(Instr. 4)

Person

below)

ST. LOUIS, MO 63167

(City) (State) (Zip)

(Street)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year)

Execution Date, if

(Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned Following

6. Ownership 7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (T)

(Instr. 4)

Reported Transaction(s)

(A)

(Instr. 3 and 4) Code V Amount (D) Price

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 Conversion Security or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

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(Instr. 3) Price of Derivative Security

(Month/Day/Year) (Instr. 8) Acquired (A)

or Disposed of (D)

(Instr. 3, 4, and 5)

Code V

(A)

(D) Date Exercisable Expiration Date

Title

Amount or Number

of Share

Option

(right to \$ 58.435 buy)

10/28/2005

A 16,050 11/15/2006(1) 10/28/2005

Common Stock

16,050

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Other

HOLLOWAY JANET M 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167

VP & Chief of Staff

Signatures

/s/ Christopher A. Martin, Attorney-in-Fact

11/01/2005

**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).
- One-third of the options become exercisable on November 15, 2006, one-third of the options become exercisable on November 15, 2007
- and one-third of the options become exercisable on November 15, 2008, subject to the terms and conditions of the Monsanto Company Long-Term Incentive Plan.
- (2) Price is not applicable to acquisitions resulting from grants of stock options.

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.

Reporting Owners 2