

MONSANTO CO /NEW/  
Form 4/A  
November 02, 2004

**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 \*  
MCMILLAN CHARLES S

(Last) (First) (Middle)

THREE FIRST NATIONAL  
PLAZA, SUITE 4700, 70 W.  
MADISON STREET

(Street)

CHICAGO, IL 60602

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
01/30/2004

4. If Amendment, Date Original Filed(Month/Day/Year)  
02/03/2004

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

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 Ownership (Instr. 4)
Common Stock	01/30/2004		A	(A) or (D) Code V Amount Price 52 <sup>(1)</sup> \$ <u>(2)</u> A 30.59	21,880 <sup>(3)</sup>	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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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. De Se (In
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				Code	V	(A)	(D)		Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Option (right to buy)	\$ 20								03/15/2002 <sup>(4)</sup>	10/16/2010	Common Stock	10,000

### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MCMILLAN CHARLES S THREE FIRST NATIONAL PLAZA, SUITE 4700 70 W. MADISON STREET CHICAGO, IL 60602	X			

### Signatures

Christopher A. Martin, 11/02/2004  
 Attorney-in-Fact Date

\_\_Signature of Reporting Person

### 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).
- Represents dividend equivalents with respect to shares of deferred common stock deliverable upon termination as a director under the Monsanto Company Non-Employee Director Equity Incentive Plan. Shares of stock are credited in the form of hypothetical shares to a
- (1) stock unit account in installments on the last day of each plan month during the director's term and for the payment of dividends. Shares of deferred stock not credited to the stock unit account because of termination as a director before the end of the director's term are forfeited.
  - (2) This amount reflects the correct amount of dividend equivalents.
  - (3) Includes 11,844 shares of deferred common stock deliverable under the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan; 490 shares of common stock issued as dividends with respect to such shares; and 9,546 shares of common stock owned directly by the Reporting Person.
  - (4) 50% of shares became exercisable on March 15, 2002 and 50% of shares became exercisable on March 15, 2003, subject to the terms of the Monsanto Company Long-Term Incentive Plan.

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.