

MONSANTO CO /NEW/  
Form 4  
August 03, 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 \*  
HOLLOWAY JANET M

(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)

08/01/2006

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)

VP & Chief of Staff

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	08/01/2006		M <sup>(1)</sup>	13,332 A	\$ 8.0725	111,212 <sup>(3)</sup>	D
Common Stock	08/01/2006		M <sup>(1)</sup>	10,300 A	\$ 16.1925	121,512	D
Common Stock	08/01/2006		S <sup>(1)</sup>	3,100 D	\$ 42.7	118,412	D
Common Stock	08/01/2006		S <sup>(1)</sup>	532 D	\$ 42.74	117,880	D
Common Stock	08/01/2006		S <sup>(1)</sup>	300 D	\$ 42.66	117,580	D

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Common Stock	08/01/2006	S <sup>(1)</sup>	4,700	D	\$ 42.6	112,880	D	
Common Stock	08/01/2006	S <sup>(1)</sup>	4,700	D	\$ 42.4	108,180	D	
Common Stock	08/01/2006	S <sup>(1)</sup>	5,000	D	\$ 42.45	103,180	D	
Common Stock	08/01/2006	S <sup>(1)</sup>	300	D	\$ 42.41	102,880	D	
Common Stock	08/01/2006	S <sup>(1)</sup>	4,800	D	\$ 42.2	98,080	D	
Common Stock	08/01/2006	S <sup>(1)</sup>	200	D	\$ 42.22	97,880	D	
Common Stock						14,866 <sup>(3)</sup>	I	By 401(k) Plan

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

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

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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)	Amount or Number of Shares	
				Code	V (A) (D)	Date Exercisable	Expiration Date	Title	
Option (right to buy)	\$ 8.0725 <sup>(4)</sup>	08/01/2006		M <sup>(1)</sup>	13,332	04/25/2004 <sup>(2)</sup>	04/24/2013	Common Stock	13,332
Option (right to buy)	\$ 16.1925 <sup>(4)</sup>	08/01/2006		M <sup>(1)</sup>	10,300	03/15/2005 <sup>(5)</sup>	02/26/2014	Common Stock	10,300
Option (right to buy)	\$ 20.805 <sup>(4)</sup>					11/15/2005 <sup>(6)</sup>	10/28/2014	Common Stock	0 <sup>(7)</sup>
Option (right to buy)	\$ 29.2175 <sup>(4)</sup>					11/15/2006 <sup>(8)</sup>	10/27/2015	Common Stock	0 <sup>(7)</sup>

