

MIZELL STEVEN  
Form 4  
July 05, 2012

**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 \*  
MIZELL STEVEN

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)

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

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

800 N. LINDBERGH BLVD.

07/02/2012

Exec. VP Human Resources

(Street)

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

ST. LOUIS, MO 63167

(City) (State) (Zip)

**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)
			Code	V	Amount	(D)	Price
Common Stock	07/02/2012		M		13,200	A	\$ 70.69
							51,131
Common Stock	07/02/2012		S		13,200	D	\$ 83.2964
							37,931
Common Stock	07/03/2012		M		32	A	\$ 20.805
							37,963
Common Stock	07/03/2012		M		30	A	\$ 29.2175
							37,993
Common Stock	07/03/2012		M		80	A	\$ 44.06
							38,073

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Common Stock	07/03/2012	M	66	A	\$ 70.69	38,139	D	
Common Stock	07/03/2012	M	46	A	\$ 58.71	38,185	D	
Common Stock	07/03/2012	S	254	D	\$ 83.4421	37,931	D	
Common Stock						5,474	I	By 401(k)

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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(9-02)

**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	Amount or Number of Shares
Option (Right to Buy)	\$ 70.69	07/02/2012		M	13,200	11/15/2010 <sup>(2)</sup>	10/26/2019	Common Stock	13,200
Option (Right to Buy)	\$ 20.805	07/03/2012		M	32	11/15/2005 <sup>(3)</sup>	10/29/2014	Common Stock	32
Option (Right to Buy)	\$ 29.2175	07/03/2012		M	30	11/15/2006 <sup>(4)</sup>	10/28/2015	Common Stock	30
Option (Right to Buy)	\$ 44.06	07/03/2012		M	80	11/15/2007 <sup>(5)</sup>	10/26/2016	Common Stock	80
Option (Right to Buy)	\$ 70.69	07/03/2012		M	66	11/15/2010 <sup>(2)</sup>	10/26/2019	Common Stock	66
Option (Right to Buy)	\$ 58.71	07/03/2012		M	46	11/15/2011 <sup>(6)</sup>	10/25/2020	Common Stock	46

