

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

(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)
 07/02/2012

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)

Exec. VP Human Resources

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)
			Code	V	Amount	(D)	Price
Common Stock	07/02/2012		M		13,200	A	\$ 70.69
Common Stock	07/02/2012		S		13,200	D	\$ 83.2964 <u>(1)</u>
Common Stock	07/03/2012		M		32	A	\$ 20.805
Common Stock	07/03/2012		M		30	A	\$ 29.2175
Common Stock	07/03/2012		M		80	A	\$ 44.06

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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.

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

Buy)

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MIZELL STEVEN 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167			Exec. VP Human Resources	

Signatures

Jennifer L. Woods,
Attorney-in-Fact

07/05/2012

**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).
- This price represents the weighted average sale price for multiple transactions reported on this line. The price of the transactions reported on this line ranged from \$83.29 to \$83.33. Upon request by the Commission staff, the issuer or a security holder of the issuer, the reporting person will undertake to provide full information regarding the number of shares sold at each separate price.
- (1) One-third of the options became exercisable on November 15, 2010, one-third of the options became exercisable on November 15, 2011 and the remainder of the options become exercisable on November 15, 2012, subject to the terms and conditions of the Monsanto Company 2005 Long Term Incentive Plan.
 - (2) One-third of the options became exercisable on November 15, 2005, one-third of the options became exercisable on November 15, 2006 and the remainder of the options became exercisable on November 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
 - (3) One-third of the options became exercisable on November 15, 2006, one-third of the options became exercisable on November 15, 2007 and the remainder of the options became exercisable on November 15, 2008, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
 - (4) One-third of the options became exercisable on November 15, 2007, one-third of the options became exercisable on November 15, 2008 and the remainder of the options became exercisable on November 15, 2009, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
 - (5) One-third of the options became exercisable on November 15, 2011, one-third of the options become exercisable on November 15, 2012 and the remainder of the options become exercisable on November 15, 2013, subject to the terms and conditions of the Monsanto Company 2005 Long Term Incentive Plan.
 - (6)

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.