

Madere Consuelo E.
Form 4
October 10, 2012

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 *
Madere Consuelo E.

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)
800 N. LINDBERGH BLVD.

(Street)

3. Date of Earliest Transaction (Month/Day/Year)
10/08/2012

____ Director
 Officer (give title below) _____ Other (specify below)
VP, Global Veg/Asia Commercial

ST. LOUIS, MO 63167

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

(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)	(A) or (D)	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	10/08/2012		X	1,040	A	\$ 31.92 12,574	D	
Common Stock	10/08/2012		S	1,040	D	\$ 91.852 11,534 (1)	D	
Common Stock	10/08/2012		X	10,510	A	\$ 44.06 22,044	D	
Common Stock	10/08/2012		S	10,510	D	\$ 91.852 11,534 (1)	D	
						1,499	I	

Common
Stock

By 401(k)
Plan

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
Options (Right to Buy)	\$ 31.92	10/08/2012		X	1,040	11/15/2006 ⁽²⁾ 07/15/2015	Common Stock	1,040
Options (Right to Buy)	\$ 44.06	10/08/2012		X	10,510	11/15/2007 ⁽³⁾ 10/26/2016	Common Stock	10,510

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Madere Consuelo E. 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167			VP, Global Veg/Asia Commercial	

Signatures

Christopher A. Martin,
Attorney-in-Fact
Date: 10/10/2012

**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).

(1)

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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 \$91.75 to \$91.9429. 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.

- (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, 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.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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