#### STEINER GERALD A

Form 4

February 15, 2012

# FORM 4

### UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL OMB** 

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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

1(b).

(Print or Type Responses)

may continue.

See Instruction

1. Name and Ad STEINER G	•	rting Person *	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
			MONSANTO CO /NEW/ [MON]	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				
800 N. LINDBERGH BLVD.		LVD.	(Month/Day/Year) 02/13/2012	Director 10% Owner _X Officer (give title Other (specify below)  EVP Sustain. & Corp. Affairs			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
ST. LOUIS, MO 63167			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acc	quired, Disposed of, or Beneficially Owned			
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(City)	(State)	(Zip) <b>Tabl</b>	e I - Non-D	Perivative S	Securi	ties Acqu	iired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. 4. Securities Acquired Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)  (A) or Code V Amount (D) Price			of (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 Indirect Beneficial Ownership (Instr. 4)
Common Stock	02/13/2012		M(1)	10,000	A	\$ 58.71	55,419	D	
Common Stock	02/13/2012		S(1)	19,912	D	\$ 78	35,507	D	
Common Stock							1,024	I	By 401(k) Plan

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

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#### number.

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4. 5. Number of		<ol><li>Date Exercisab</li></ol>	7. Title and Amount of			
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionDerivative			Expiration Date	<b>Underlying Securities</b>		
Security	or Exercise		any	Code Securities		(Month/Day/Year)		(Instr. 3 and 4)		
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Acqui	Acquired (A)				
	Derivative				or Dis	sposed of				
	Security				(D)					
					(Instr. 3, 4,					
					and 5	)				
							Date Exercisable	Expiration Date	Title	Amount or Number
				Code V	(A)	(D)		24.0		of Share
Option (Right to	\$ 58.71	02/13/2012		M <u>(1)</u>		10,000	11/15/2011(2)	10/25/2020	Common Stock	10,00
Buy)										

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

STEINER GERALD A 800 N. LINDBERGH BLVD.

ST. LOUIS, MO 63167

EVP Sustain. & Corp. Affairs

## **Signatures**

Jennifer L. Woods, Attorney-in-Fact

\*\*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) The sale and stock option exercise reported on this Form 4 was effected pursuant to a Rule 10b5-1 trading plan adopted by the Reporting Person on January 11, 2012.
- One-third of the options became exercisable on November 15, 2011, one-third of the options will become exercisable on November 15, 2012 and the remainder of the options will become exercisable on November 15, 2013, subject to the terms and conditions of the Monsanto Company 2005 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.

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