MONSANTO CO /NEW/

Form 4

October 23, 2013

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB

3235-0287 Number: January 31,

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

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person ** Courduroux Pierre			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	(Enter an approact)			
800 N. LINDBERGH BLVD.		D.	(Month/Day/Year) 10/21/2013	Director 10% Owner _X_ Officer (give title Other (specify below) Sr. VP and CFO			
	(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	e I - Non-D	erivative S	ecurit	ies Acq	uired, Disposed o	of, or Beneficial	ly Owned
1.Title of Security	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if	3. Transactio	4. Securit on(A) or Dis			5. Amount of Securities	6. Ownership Form: Direct	7. Nature of Indirect
(Instr. 3)				Code (D)		Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	4 and 5	5)	Owned Following	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)		
Common Stock	10/21/2013		A	10,030 (1)	A	\$ 0	22,437	D	
Common Stock							1,117	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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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. 5. Number of TransactionDerivative Code Securities (Instr. 8) Acquired (A) or Disposed of (D)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount o Underlying Securities (Instr. 3 and 4)	
	,			Code V	(Instr. 3, 4, and 5) (A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Option (Right to Buy)	\$ 106.05	10/21/2013		A	31,120	11/15/2014(2)	10/21/2023	Common Stock	31,120

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Courduroux Pierre

800 N. LINDBERGH BLVD. Sr. VP and CFO

ST. LOUIS, MO 63167

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) Restricted stock unit grant pursuant to the Monsanto Company 2005 Long-Term Incentive Plan vesting on August 31, 2014.
 - One-third of the options become exercisable on November 15, 2014, one-third of the options become exercisable on November 15, 2015
- (2) and the remainder of the options become exercisable on November 15, 2016, 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.

Reporting Owners 2