MONSANTO CO /NEW/

Form 4

November 01, 2016

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB APPROVAL OMB

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Check this box if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

1(b).

(Print or Type Responses)

See Instruction

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading Barns Dwight Issuer Symbol MONSANTO CO /NEW/ [MON] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify MONSANTO COMPANY, 800 10/28/2016 below) NORTH LINDBERGH BLVD. (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting ST. LOUIS, MO 63167

(City)	(State)	(Zip) Tab l	e I - Non-I	Derivative	Secui	rities Acqu	ired, 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. Transaction Code (Instr. 8)	(Instr. 3,	ispose 4 and (A) or	d of (D) 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)
Common Stock	10/28/2016		Code V A	Amount 10 (1)	(D)	Price \$ 100.98	5,573	D	
Common Stock	10/31/2016		A	68 (2)	A	\$ 100.77	5,641	D	
Common Stock	10/31/2016		A	34 (3)	A	\$ 0	5,675	D	

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.	6. Date Exerc	cisable and	7. Title	e and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amour	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ties	(Instr. 5)	Bene
	Derivative				Securities			(Instr. :	3 and 4)		Owne
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									Amount		
									Amount		
						Date	Expiration		or Name la sur		
						Exercisable	Date	Title Number			
				C 1 W	(A) (D)				of		
				Code V	(A) (D)			,	Shares		

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

Barns Dwight MONSANTO COMPANY 800 NORTH LINDBERGH BLVD. ST. LOUIS, MO 63167

X

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).

Represents dividend equivalents with respect to shares of deferred common stock deliverable upon termination as a director under the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan. Deferred common stock and dividend equivalents are

- (1) credited to a stock unit account in the form of hypothetical shares, which vest in installments on the last day of each plan month during the director's term. Shares of deferred stock that do not vest, because of termination as a director or certain changes in committee roles, are forfeited.
- (2) Represents shares of deferred common stock granted under the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan as a result of a change in the reporting person's compensation following a change in committee role.

Represents shares of restricted stock granted under the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan as a result of a change in the reporting person's compensation following a change in committee role. Shares of restricted stock vest in installments on the last day of each plan month during the director's term. Shares of restricted stock that do not vest because of termination as a director are forfeited.

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

Reporting Owners 2

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