MONSANTO CO /NEW/

Form 4

November 24, 2015

FORM 4 UNITED STATE

OMB APPROVAL

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

Check this box if no longer subject to Section 16. Form 4 or Form 5

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Form 5 obligations may continue. See Instruction

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 A	Address of Reporting UGH	Person *	2. Issuer Name and Ticker or Trading Symbol MONSANTO CO /NEW/ [MON]			5. Relationship of Reporting Person(s) to Issuer			
	(Last)	(First) (Middle)	3. Date of	f Earliest T	ransaction	(Check all applicable)			
	MONSAN'	TO COMPANY	800 N	(Month/I	Day/Year)		X Director X Officer (g		0% Owner Other (specify	
MONSANTO COMPANY, 800 N. LINDBERGH BLVD.				11/23/2	013		below)	below) Chairman & CE	0	
(Street) ST. LOUIS, MO 63167				4. If Amendment, Date Original			6. Individual or Joint/Group Filing(Check			
				Filed(Mon	nth/Day/Yea	r)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
	(City)	(State)	(Zip)	Tab	le I - Non-l	Derivative Securities Ac	quired, Disposed	of, or Benefic	ially Owned	
	1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	Execution any (Month/D	Date, if	3. Transaction Code (Instr. 8)	4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned	6. Ownership Form: Direct (D)	7. Nature of Indirect Beneficial Ownership	

(Instr. 3)		any (Month/Day/Year)	Code (Instr. 8)	(Instr. 3,	(A) or	5) Price	Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)
Common Stock	11/23/2015		A	354 (1)	` ′	\$ 95.27	171,071	D	
Common Stock	11/23/2015		F	170 (2)	D	\$ 95.27	170,901	D	
Common Stock							120,000	I	By Trust - Grant Family Limited Partnership
Common Stock							7,047	I	By 401(k) Plan

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

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans

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	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transact	ionNumber	Expiration D	ate	Amou	nt of	Derivative	
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securi	ties	(Instr. 5)	
	Derivative				Securities			(Instr.	3 and 4)		
	Security				Acquired						
	·				(A) or						
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
									Amount		
						Date	Expiration		or		
						Exercisable	Date		Number		
									of		
				Code V	(A) (D)				Shares		

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Reporting Owners

Reporting Owner Name / Address	Ketationships						
	Director	10% Owner	Officer	Other			
CD ANT HIGH							

GRANT HUGH MONSANTO COMPANY 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167

X

Chairman & CEO

Signatures

Jennifer L. Woods, Attorney-in-Fact

**Signature of Reporting Person Da

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).
- Restricted stock unit grant pursuant to the Monsanto Company 2005 Long-Term Incentive Plan, vesting on November 23, 2015. These securities were omitted from the October 26, 2015 grant of restricted stock units in error. These additional restricted stock units were granted and immediately vested and paid out in shares of common stock on November 23, 2015, less an amount of restricted stock units withheld to pay taxes upon the vesting.
- On November 23, 2015, 354 performance-based restricted stock units became fully vested for which taxes became due and payable. 170 restricted stock units were used for the payment of these taxes.

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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