MONSANTO CO /NEW/

Form 4

January 31, 2017

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

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January 31, Expires: 2005

OMB APPROVAL

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

obligations

Check this box

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 may continue. See Instruction

30(h) of the Investment Company Act of 1940

1(b).

Stock

(Print or Type Responses)

1. Name and Ad Lutz Marcos	Symbol	2. Issuer Name and Ticker or Trading Symbol				5. Relationship of Reporting Person(s) to Issuer			
		MONSA	ANTO CO)/NEW/	[MO	N]	(Che	eck all applicable	e)
(Last)	(First) (M	fiddle) 3. Date of	3. Date of Earliest Transaction						
		(Month/D	ay/Year)				_X_ Director		6 Owner
MONSANT	00 N. 01/27/20	01/27/2017				Officer (give below)	ve title Oth below)	er (specify	
LINDBERG	H BLVD.						below)	below)	
	4. If Amer	4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
	Filed(Mon	Filed(Month/Day/Year)				Applicable Line)			
							X Form filed by		
ST. LOUIS,						Form filed by More than One Reporting Person			
(City)	(State)	Zip) Table	e I - Non-D	erivative S	Securi	ties Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securi	ties		5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	on Date, if TransactionAcquired (A) or				Securities	Form: Direct	Indirect
(Instr. 3) any		•	Code		of (D		Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned	Indirect (I)	Ownership
							Following Reported	(Instr. 4)	(Instr. 4)
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Derica	(Instr. 3 and 4)		
Common			Code V	Amount	(D)	Price			
Stock	01/27/2017		A	20 (1)	A	\$0	9,787	D	

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)

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title a	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	onNumber	Expiration D	ate	Amount	of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day	Year)	Underlyi	ing	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivativ	e		Securitie	es	(Instr. 5)	Bene
	Derivative				Securities	3		(Instr. 3	and 4)		Own
	Security				Acquired						Follo
					(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
								٨	mount		
								01			
						Date	Expiration		umber		
						Exercisable D	Date	of			
				Code V	(A) (D)				hares		

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Lutz Marcos M MONSANTO COMPANY 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167	X					

Signatures

Jennifer L. Woods, 01/31/2017 Attorney-in-Fact

**Signature of Reporting Person

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).

Date

Represents dividend equivalents with respect to shares of deferred common stock deliverable upon termination as a director under the

(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,

Monsanto Company Non-Employee Director Equity Incentive Compensation Plan. Deferred common stock and dividend equivalents are

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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