Bodine Bruce M. Form 5

Check this box if

no longer subject

to Section 16.

5 obligations

may continue.

Form 4 or Form

February 14, 2019 FORM 5

OMB APPROVAL

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ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940

Form 4

Transactions Reported

(City)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Bodine Bruce M. Symbol MOSAIC CO [MOS] (Check all applicable) (Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) Director 10% Owner X _ Officer (give title Other (specify 12/31/2018 below) below) C/O THE MOSAIC Senior VP - Phosphates COMPANY. 3033 CAMPUS **DRIVE, SUITE E490** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line) PLYMOUTH, MNÂ 55441

X Form Filed by One Reporting Person Form Filed by More than One Reporting

		Table 1 - Non-Derivative Securities Acquired, Disposed of, or Deficienciany 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)	4. Securi Acquired Disposed (Instr. 3,	d (A) o))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	Â	Â	Â	Â	Â	Â	12,532	D	Â
Common Stock	Â	Â	Â	Â	Â	Â	674.378 (1)	I	By 401(k) Plan

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

(State)

(Zip)

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SEC 2270 (9-02)

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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. Transaction Code (Instr. 8)	Number		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 52.72	Â	Â	Â	Â	Â	(2)	07/27/2019	Common Stock	553
Stock Option (Right to Buy)	\$ 44.93	Â	Â	Â	Â	Â	(2)	07/27/2020	Common Stock	577
Stock Option (Right to Buy)	\$ 70.62	Â	Â	Â	Â	Â	(2)	07/21/2021	Common Stock	678
Stock Option (Right to Buy)	\$ 28.49	Â	Â	Â	Â	Â	(3)	03/03/2026	Common Stock	17,921
Stock Option (Right to Buy)	\$ 30.42	Â	Â	Â	Â	Â	(4)	03/02/2027	Common Stock	25,227
Restricted Stock Units	\$ 0 (5)	Â	Â	Â	Â	Â	03/08/2021	(6)	Common Stock	13,436

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
Bodine Bruce M.	Â	Â	Senior VP -	Â			
C/O THE MOSAIC COMPANY			Phosphates				

Reporting Owners 2

3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MNÂ 55441

Signatures

Mark J. Isaacson, Attorney-in-Fact for Bruce M. Bodine

02/13/2019

**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) Includes 2.165 shares acquired pursuant to a dividend reinvestment feature of the Mosaic Stock Fund, an investment alternative in the 401(k) Plan.
- (2) This Stock Option is 100% exercisable.
- (3) Grant Date 03/03/2016; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (4) Grant Date 03/02/2017; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) One-for-One
- (6) Not Applicable

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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