MOSAIC CO Form 4 February 17, 2016

FORM 4

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

OMB APPROVAL OMB

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Other (specify

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

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 Address of Reporting Person * Popowich James L.

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First) (Middle)

(Zip)

MOSAIC CO [MOS]

3. Date of Earliest Transaction

(Check all applicable) _X__ Director 10% Owner

Officer (give title

(Month/Day/Year) 02/16/2016

C/O THE MOSAIC COMPANY, 3033 CAMPUS

(Street)

(State)

DRIVE, SUITE E490

6. Individual or Joint/Group Filing(Check

Applicable Line)

4. If Amendment, Date Original Filed(Month/Day/Year)

> _X_ Form filed by One Reporting Person Form filed by More than One Reporting

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

PLYMOUTH, MN 55441

(City)

		140	rable 1 - Non-Derivative Securities Acquired, Disposed of, of Beneficiary Owned				
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired (A)	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	or Disposed of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)		Owned	Direct (D)	Ownership
					Following	or Indirect	(Instr. 4)
				()	Reported	(I)	
				(A)	Transaction(s)	(Instr. 4)	
			Code V	or Amount (D) Price	(Instr. 3 and 4)		
			Couc v	Amount (b) Thee			
Common Stock	02/16/2016		P	3,000 A \$ 23.5699	14,577 (1)	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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8. Price of Derivative Security (Instr. 5)

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. Transactic Code (Instr. 8)	5. orNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	3	ate	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Restricted Stock Units	\$ 0 (2)					(3)	<u>(4)</u>	Common Stock	1,997
Restricted Stock Units	\$ 0 (2)					<u>(5)</u>	<u>(4)</u>	Common Stock	3,144
Restricted Stock Units	\$ 0 (2)					<u>(6)</u>	<u>(7)</u>	Common Stock	3,402

Reporting Owners

Reporting Owner Name / Address	Relationships				
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other	
Popowich James L.					
C/O THE MOSAIC COMPANY	X				
3033 CAMPUS DRIVE SHITE E490	Λ				

Signatures

PLYMOUTH, MN 55441

/s/ Mark J. Isaacson, Attorney-in-Fact for James L.
Popowich 02/17/2016

**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) Of the reported shares 8,000 shares are held jointly with the reporting person's spouse.
- (2) One-for-One
- (3) The restricted stock units vested on May 15, 2014. Vested shares will be delivered to the reporting person on October 3, 2016.
- (4) Not applicable.
- (5) The restricted stock units vested on May 15, 2015. Vested shares will be delivered to the reporting person on May 15, 2017.

Reporting Owners 2

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- (6) The restricted stock units will vest on the date of the issuer's 2016 Annual Meeting of Stockholders. Vested shares will be delivered to the reporting person on May 14, 2018.
- (7) Not Applicable

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.