MOSAIC CO Form 4 May 20, 2016

FORM 4

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 obligations may continue. See Instruction

1(b).

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

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

(Print or Type Responses)

1. Name and Address of Reporting Person * Gitzel Timothy S.

2. Issuer Name and Ticker or Trading Symbol

MOSAIC CO [MOS]

(First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year)

(Month/Day/Year) Execution Date, if

C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

Filed(Month/Day/Year)

05/19/2016

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

X_ Director 10% Owner Officer (give title Other (specify below)

6. Individual or Joint/Group Filing(Check

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

PLYMOUTH, MN 55441

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned **Following** Reported

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

6. Ownership 7. Nature of Form: Direct (D) or Indirect (I) (Instr. 4)

Indirect Beneficial Ownership (Instr. 4)

OMB APPROVAL

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January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Transaction(s) (Instr. 3 and 4)

or Code V Amount (D) Price

Common Stock

Security

(Instr. 3)

10,000

(A)

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 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. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. P Der Sec (Ins
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (1)					(2)	(3)	Common Stock	1,997	
Restricted Stock Units	\$ 0 (1)					<u>(4)</u>	(3)	Common Stock	3,144	
Restricted Stock Units	\$ 0 (1)					(5)	(3)	Common Stock	3,402	
Restricted Stock Units	\$ 0 (1)	05/19/2016		A	6,038	<u>(6)</u>	(3)	Common Stock	6,038	

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
Gitzel Timothy S. C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441	X					

Signatures

/s/Mark J. Isaacson, Attorney-in-Fact for Timothy S.
Gitzel 05/19/2016

**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

- (1) One-for-One
- (2) The restricted stock units vested on May 15, 2014. Vested shares will be delivered to the reporting person on October 3, 2016.
- (3) Not Applicable

Reporting Owners 2

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- (4) The restricted stock units vested on May 14, 2015. Vested shares will be delivered to the reporting person on May 15, 2017.
- (5) The restricted stock units vested on May 19, 2016. Vested shares will be delivered to the reporting person on May 14, 2018.
- (6) The restricted stock units will vest on the date of the issuer's 2017 Annual Meeting of Stockholders. Vested shares will be delivered to the reporting person on May 19, 2019.

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.