MOSAIC CO Form 4 October 04, 2013

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB Number:

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January 31, Expires:

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response...

Estimated average burden hours per

Form 4 or Form 5 obligations may continue. See Instruction

Check this box

if no longer

subject to

Section 16.

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 * Gitzel Timothy S.

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

below)

MOSAIC CO [MOS]

(Check all applicable)

(First) (Middle) (Last)

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

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

C/O THE MOSAIC COMPANY, 3033 CAMPUS DRIVE, SUITE E490

> (Street) 4. If Amendment, Date Original

10/03/2013

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

PLYMOUTH, MN 55441

(Instr. 3)

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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 3. (Month/Day/Year) Execution Date, if

Code

(Instr. 8)

4. Securities TransactionAcquired (A) or Disposed of (D) (Instr. 3, 4 and 5) 5. Amount of 6. Ownership Securities Beneficially Owned (I) Following (Instr. 4)

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

Reported (A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion

3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date

5. Number

6. Date Exercisable and

7. Title and Amount of 8. Pr Underlying Securities

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| Security (Instr. 3) | or Exercise Price of Derivative Security | | any (Month/Day/Year) | Code (Instr. 8) | Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | | (Month/Day/Year) | | (Instr. 3 and 4) | | Secu (Instr |
|------------------------------|---|------------|-------------------------|-----------------|---|-----|---------------------|--------------------|------------------|--|----------------|
| | | | | Code V | (A) | (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares | |
| Restricted Stock Units | \$ 0 (1) | 10/03/2013 | | A | 1,997 | | (2) | (3) | Common Stock | 1,997 | \$ |

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/Richard L. Mack, Attorney-in-Fact for Timothy S. Gitzel

10/04/2013

**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) One-for-One
- (2) The restricted stock units vest on October 3, 2014. Vested shares will be delivered to the reporting person on October 3, 2016.
- (3) 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.

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