MOSAIC CO Form 4/A March 10, 2016

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL OMB

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Check this box

if no longer

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 * O'Rourke James Calvin

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

below)

MOSAIC CO [MOS]

(Check all applicable)

President & CEO

(Last) (First) (Middle)

(Street)

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

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

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

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

Applicable Line)

03/07/2016

03/03/2016

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

6. Individual or Joint/Group Filing(Check

PLYMOUTH, MN 55441

(City) (State) (Zip)

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

(A)

or

1. Title of 2. Transaction Date 2A. Deemed Security (Instr. 3)

(Month/Day/Year) Execution Date, if (Month/Day/Year)

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

5. Amount of 6. Ownership Securities Form: Direct Beneficially (D) or Indirect Beneficial Owned (Instr. 4) Following

Reported Transaction(s) (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.

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

5. Number of TransactionDerivative

6. Date Exercisable and **Expiration Date**

7. Title and Amount of **Underlying Securities**

7. Nature of

Ownership

(Instr. 4)

Indirect

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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)	
				Code V	7 (A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 28.49	03/03/2016		A	179,211 (1)		(2)	03/03/2026	Common Stock	179,211

Reporting Owners

Reporting Owner Name / Address	Kelationships						
	Director	10% Owner	Officer	Other			
O'Rourke James Calvin							
C/O THE MOSAIC COMPANY	X		President & CEO				
3033 CAMPUS DRIVE, SUITE E490	Λ		Flesidelli & CEO				
PLYMOUTH, MN 55441							

Signatures

/s/ Mark J. Isaacson, Attorney-in-Fact for James C. O'Rourke 03/10/2016

**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).
- At the time the original Form 4 was filed, the exact number of shares underlying the stock option was not known, as the final Black

 (1) Scholes calculation with respect to the stock option had not been completed by a third-party provider. The reporting person is hereby amending this line item to reflect the final calculation of the number shares underlying the stock option.
- (2) 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.

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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