MOSAIC CO Form 4 July 30, 2013

FORM 4

OMB APPROVAL

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

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

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

Estimated average burden hours per response... 0.5

Form 4 or 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 * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading O'Rourke James Calvin Issuer Symbol MOSAIC CO [MOS] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction

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

(Month/Day/Year) Director 10% Owner Other (specify X_ Officer (give title 07/27/2013 below) EVP - Operations & COO

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

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

(Zip)

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

(State)

(City)

	Table 1 Two Detivative Securities required, Disposed of, or Beneficiary Owned								ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies Acq	uired	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	ransaction(A) or Disposed of			Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(D)			Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4 and 5)			Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
							Reported		
					(A)		Transaction(s)		
			Code V	Amount	or (D)	Price	(Instr. 3 and 4)		
Common	07/27/2013		M	11,128	A	\$ 0	27,165	D	
Stock	0112112013		141	11,120	11	ΨΟ	27,103	D	
Common Stock	07/27/2013		F <u>(7)</u>	3,740	D	\$ 0	23,425	D	

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

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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

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. 5. Number of TransactionDerivative Code Securities (Instr. 8) 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)		
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (Right to Buy)	\$ 52.72						<u>(5)</u>	07/27/2019	Common Stock	12,019
Stock Option (Right to Buy)	\$ 44.93						<u>(5)</u>	07/27/2020	Common Stock	20,259
Restricted Stock Units	\$ 0 (1)	07/27/2013		M		11,128	07/27/2013	<u>(2)</u>	Common Stock	11,128
Stock Option (Right to Buy)	\$ 70.62						<u>(3)</u>	07/21/2021	Common Stock	16,150
Restricted Stock Units	\$ 0 (1)						07/21/2014	(2)	Common Stock	7,080
Stock Option (Right to Buy)	\$ 57.62						<u>(4)</u>	07/19/2022	Common Stock	27,681
Restricted Stock Units	\$ 0 (1)						07/19/2015	(2)	Common Stock	10,992
Stock Option (Right to Buy)	\$ 54.03						<u>(6)</u>	07/18/2023	Common Stock	29,987
Restricted Stock Units	\$ 0 (1)						07/18/2016	(2)	Common Stock	11,722

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Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

O'Rourke James Calvin

EVP -

C/O THE MOSAIC COMPANY
3033 CAMPUS DRIVE, SUITE E490
PLYMOUTH, MN 55441

EVF Operations &
COO

Signatures

/s/ Richard L. Mack, Attorney-in-Fact for James C.
O'Rourke 07/30/2013

**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) Not Applicable
- (3) Grant Date 07/21/2011; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (4) Grant Date 07/19/2012; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) This Stock Option is 100% exercisable.
- (6) Grant Date 07/18/2013; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (7) Shares withheld to cover tax liability incurred as a result of vesting of Restricted Stock Units.

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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