MOSAIC CO Form 5 July 15, 2013

FORM 5 **OMB** UNITED STATES SECURITIES AND EXCHANGE COMMISSION 3235-0362 Number: Washington, D.C. 20549 Check this box if January 31, Expires: no longer subject 2005 to Section 16. Estimated average ANNUAL STATEMENT OF CHANGES IN BENEFICIAL

Form 4 or Form OWNERSHIP OF SECURITIES 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported 30(h) of the Investment Company Act of 1940 Form 4

Transactions Reported

1. Name and Address of Reporting Person ** LUMPKINS ROBERT L			2. Issuer Name and Ticker or Trading Symbol MOSAIC CO [MOS]	5. Relationship of Reporting Person(s) to Issuer				
(Last)	(First)	(Middle)	3. Statement for Issuer's Fiscal Year Ended	(Check all applicable)				
C/O THE MO COMPANY, A DRIVE, SUIT	SAIC À 3033 CAI	` '	(Month/Day/Year) 05/31/2013	_X_ Director 10% Owner Officer (give title below) Other (specify below)				
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Reporting				
			Filed(Month/Day/Year)					
				(check applicable line)				
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PLYMOUTH, MNÂ 55441

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

OMB APPROVAL

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(City)	(State)	(Zip) Tabl	le I - Non-Der	ivative Se	curiti	es Acqu	ired, Disposed	of, or Benefici	ally Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi Acquired Disposed (Instr. 3,	(A) or (C) (A) or))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	Â	Â	Â	Â	Â	Â	1,936	I	By GRAT #2 dated September 1, 2009
Common Stock	03/26/2013	Â	G <u>(5)</u>	1,960	D	\$ 0	1,785	I	By GRAT #3 dated March 23, 2010

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Common Stock	03/26/2013	Â	G(5)	1,960	A	\$ 0	5,643	I	Robert L. Lumpkins Revocable Trust
Common Stock	05/14/2013	Â	G <u>(6)</u>	4,251	D	\$ 0	1,443	I	By GRAT #4 dated May 12, 2011
Common Stock	05/14/2013	Â	G <u>(6)</u>	4,251	A	\$0	9,894	I	Robert L. Lumpkins Revocable Trust
Common Stock	Â	Â	Â	Â	Â	Â	8,648	I	By GRAT #5 dated June 25, 2012

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

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SEC 2270 (9-02)

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

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. Transaction Code (Instr. 8)	5. Number of 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. Pri Deriv Secun (Insti
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (1)	Â	Â	Â	Â	Â	(3)	(2)	Common Stock	2,763	Â
Restricted Stock Units	\$ 0 (1)	Â	Â	Â	Â	Â	(4)	(2)	Common Stock	4,878	Ä
Restricted Stock Units	\$ 0 (1)	Â	Â	Â	Â	Â	(7)	(2)	Common Stock	4,719	Ä

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Reporting Owners

PLYMOUTH, MNÂ 55441

Reporting Owner Name / Address
Director 10% Owner Officer Other

LUMPKINS ROBERT L
C/O THE MOSAIC COMPANY
3033 CAMPUS DRIVE, SUITE E490
PRelationships
10% Owner Officer Other
A X X Â Â Â

Signatures

s/Richard L. Mack, Attorney-in-Fact for Robert L. Lumpkins

07/15/2013

**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) The restricted stock units vested on October 7, 2011. Vested shares will be delivered to the reporting person on October 7, 2013.
- (4) The restricted stock units vested on October 6, 2012. Vested shares will be delivered to the reporting person on October 6, 2014.
- On March 26, 2013, the reporting person indirectly held 3,745 shares of MOS common stock in a grantor retained annuity trust for the benefit of himself and his daughter ("GRAT #3"). On that date, 1,960 of the shares were distributed by GRAT #3 to the Robert L. Lumpkins Revocable Trust in satisfaction of an annuity to reporting person and was exempt from reporting under Rule 16a-13, following which 1,785 shares remained held by GRAT #3.
 - On May 14, 2013, the reporting person indirectly held 5,694 shares of MOS common stock in a grantor retained annuity trust for the benefit of himself and his daughter ("GRAT #4"). On that date, 4,251 of the shares were distributed by GRAT #4 to the Robert L.
- Lumpkins Revocable Trust in satisfaction of an annuity to the reporting person and was exempt from reporting under Rule 16a-13, following which 1,443 shares remained held by GRAT #4.
- (7) The restricted stock units vest on October 4, 2013. Vested shares will be delivered to the reporting person on October 4, 2015.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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