MOSAIC CO Form 4 August 04, 2010

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

SECURITIES

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

2005 Estimated average burden hours per response... 0.5

OMB APPROVAL

3235-0287

January 31,

OMB

Number:

Expires:

Form 5 obligations may continue. See Instruction 1(b).

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 * LUMPKINS ROBERT L

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(Last)

(First) (Middle) MOSAIC CO [MOS] 3. Date of Earliest Transaction

(Check all applicable)

C/O THE MOSAIC COMPANY, 3033 CAMPUS

(Month/Day/Year) 03/23/2010

_X__ Director Officer (give title

Other (specify

10% Owner

DRIVE, SUITE E490

(Street) 4. If Amendment, Date Original

Filed(Month/Day/Year)

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) Table	e I - Non-D	erivative	Secur	ities A	equired, 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. Transactic Code (Instr. 8)	Disposed (Instr. 3,	(A) of (D) 4 and (A) or))	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock					. ,		14,517 (5)	I	By GRAT #1 dated February 24, 2009
Common Stock							5,514	I	By GRAT #2 dated September 1, 2009
Common Stock	03/23/2010		G <u>(5)</u>	7,327	A	\$0	7,327	I	By GRAT #3 dated March 23,

2010

Common 08/02/2010 M 3,248 A \$0 3,248 D Stock

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

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(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. Transacti Code (Instr. 8)	onof Derivative		Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,		Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,		Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. I Der Sec (Ins
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares							
Restricted Stock Units	\$ 0 (1)	08/02/2010		M		3,248	08/02/2010	(2)	Common Stock	3,248							
Restricted Stock Units	\$ 0 (1)						(3)	(2)	Common Stock	4,655							
Restricted Stock Units	\$ 0 (1)						<u>(4)</u>	<u>(2)</u>	Common Stock	3,423							

Reporting Owners

PLYMOUTH, MN 55441

Reporting Owner Name / Address				
	Director	10% Owner	Officer	Other
LUMPKINS ROBERT L				
C/O THE MOSAIC COMPANY	X			
3033 CAMPUS DRIVE SHITE F490	Λ			

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Relationships

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Signatures

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

08/04/2010

**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 9, 2009. Vested shares will be delivered to the reporting person on October 9, 2011.
- (4) The restricted stock units vest on October 8, 2010. Vested shares will be delivered to the reporting person on October 8, 2012.
 - On February 25, 2009, the reporting person contributed 21,844 shares of MOS common stock to a grantor retained annuity trust for the benefit of himself and his daughter ("GRAT #1). On March 23, 2010, 7,327 shares were distributed by GRAT #1 to reporting person in satisfaction of an annuity to reporting person and was exempt from reporting under Rule 16a-13, following which 14,517 shares remained
- held by GRAT #1. The transaction being reported involved a gift of 7,327 shares by the reporting person to a grantor retained annuity trust dated March 23, 2010, for the benefit of himself and his daughter ("GRAT #3"). The reporting person's spouse serves as trustee of GRAT #3.

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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