MOSAIC CO Form 4 July 31, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

5. Relationship of Reporting Person(s) to

(Check all applicable)

EVP & Chief Financial Officer

10% Owner

Other (specify

Issuer

below)

Director X_ Officer (give title January 31, 2005

0.5

Estimated average burden hours per

OMB APPROVAL

response...

subject to Section 16. Form 4 or Form 5 obligations may continue.

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

2. Issuer Name and Ticker or Trading

MOSAIC CO [MOS]

(Month/Day/Year)

07/27/2012

3. Date of Earliest Transaction

Symbol

1(b).

(Last)

(Print or Type Responses)

C/O THE MOSAIC

COMPANY, 3033 CAMPUS

1. Name and Address of Reporting Person *

STRANGHOENER LAWRENCE W

(First)

(Middle)

See Instruction

DRIVE, SU	JITE E490	EVP & Chief Financial Officer								
PLYMOUT	endment, Date Original onth/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 Person					
(City)	(State)	le I - Non-Derivative Securities Acc				quired, Disposed of, or Beneficially 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)	4. Securiton(A) or Di (Instr. 3,	sposed	d of (D)	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					` '		100	I	By Daughter	
Common Stock							100	I	By Daughter	
Common Stock							50	I	by Son	
Common Stock	07/27/2012		M	13,657	A	\$ 0	108,124	D		
Common Stock	07/27/2012		F <u>(7)</u>	4,466	D	\$ 58.73	103,658	D		

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474 (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)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	Code	5. Number of iorDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		6. Date Exercian Expiration Date (Month/Day/Y	ite	7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	7 (A)) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 15.04						(3)	10/29/2014	Common Stock	12,084
Stock Option (right to buy)	\$ 17.29						(3)	08/01/2015	Common Stock	64,935
Stock Option (right to buy)	\$ 15.45						(3)	08/04/2016	Common Stock	61,120
Stock Option (right to buy)	\$ 40.03						(3)	08/02/2017	Common Stock	25,328
Stock Option (Right to Buy)	\$ 127.21						(3)	07/31/2018	Common Stock	7,315
Stock Option (Right to Buy)	\$ 52.72						(3)	07/27/2019	Common Stock	14,423
Restricted Stock Units	\$ 0 (1)	07/27/2012		M		13,657	07/27/2012	(2)	Common Stock	13,657

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Stock Option (Right to Buy)	\$ 44.93	<u>(4)</u>	07/27/2020	Common Stock	22,285
Restricted Stock Units	\$ 0 <u>(1)</u>	07/27/2013	(2)	Common Stock	12,241
Stock Option (Right to Buy)	\$ 70.62	<u>(5)</u>	07/21/2021	Common Stock	13,997
Restricted Stock Units	\$ 0 <u>(1)</u>	07/21/2014	(2)	Common Stock	6,136
Stock Option (Right to Buy)	\$ 57.62	<u>(6)</u>	07/19/2022	Common Stock	21,853
Restricted Stock Units	\$ 0 <u>(1)</u>	07/19/2015	(2)	Common Stock	8,678

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

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

EVP & Chief Financial Officer

Signatures

/s/Richard L. Mack, Attorney-in-Fact for Lawrence W.
Stranghoener 07/31/2012

**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) This Stock Option is 100% exercisable.
- (4) Grant Date 07/27/2010; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

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- (5) 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.
- (6) 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.
- (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.