MOSAIC CO Form 4 July 23, 2014

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

Form 5 obligations may continue.

See Instruction 1(b).

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

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 * STRANGHOENER LAWRENCE W

(Last) (First) (Middle)

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

PLYMOUTH, MN 55441

(Street)

2. Issuer Name and Ticker or Trading Symbol

MOSAIC CO [MOS]

3. Date of Earliest Transaction (Month/Day/Year) 07/21/2014

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Check all applicable)

Director 10% Owner Other (specify X_ Officer (give title below)

Interim CEO

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

(City)	(State)	(Zip) Tabl	le I - Non-I	Derivative :	Secur	ities Acqu	ired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Code (Instr. 8)	Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5)		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			Code V	Amount	(D)	Price	50	I	by Son
Common Stock	07/21/2014		M	6,136	A	\$ 0	117,922	D	
Common Stock	07/21/2014		A	3,958 (7)	A	\$ 0	121,880	D	
Common Stock	07/21/2014		A	42,345 (8)	A	\$ 0	164,225	D	
Common Stock	07/21/2014		F(9)	23,803	D	\$ 47.23	140,422	D	

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

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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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)			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)	\$ 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
Stock Option (Right to	\$ 44.93						(3)	07/27/2020	Common Stock	22,285

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Buy)								
Stock Option (Right to Buy)	\$ 70.62				(3)	07/21/2021	Common Stock	13,997
Restricted Stock Units	\$ 0 (1)	07/21/2014	M	6,136	07/21/2014	(2)	Common Stock	6,136
Stock Option (Right to Buy)	\$ 57.62				<u>(4)</u>	07/19/2022	Common Stock	21,853
Restricted Stock Units	\$ 0 (1)				07/19/2015	(2)	Common Stock	8,678
Stock Option (Right to Buy)	\$ 54.03				<u>(5)</u>	07/18/2023	Common Stock	23,674
Restricted Stock Units	\$ 0 (1)				07/18/2016	(2)	Common Stock	9,254
Stock Option (Right to Buy)	\$ 49.73				<u>(6)</u>	03/07/2024	Common Stock	26,610
Restricted Stock Units	\$ 0 (1)				03/07/2017	(2)	Common Stock	10,054

Reporting Owners

Reporting Owner Name / Address	Relationships						
. 9	Director	10% Owner	Officer	Other			
STRANGHOENER LAWRENCE W							
C/O THE MOSAIC COMPANY			Intonim CEO				
3033 CAMPUS DRIVE, SUITE E490	Interim CEO						
PLYMOUTH, MN 55441							

Signatures

/s/Mark J. Isaacson, Attorney-in-Fact for Lawrence W.
Stranghoener
07/23/2014

**Signature of Reporting Person Date

Reporting Owners 3

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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 07/19/2012; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) 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.
- (6) Grant Date 03/07/2014; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (7) Shares issued to reporting person upon the vesting of a performance unit award granted to reporting person on July 21, 2011. The performance unit award was not a derivative security.
- (8) Shares issued to reporting person upon vesting of a retention award granted to reporting person on July 21, 2011. The retention award was not a derivative security.
- (9) Shares sold to cover tax liability incurred as a result of most recent vesting of Restricted Stock Units, Performance Units and Retention Award.

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.