MOSAIC CO Form 4 August 02, 2011

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.

Expires: STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, 2005 Estimated average burden hours per

0.5

Form 4 or Form 5 obligations

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

SECURITIES

response...

may continue. See Instruction

1(b).

Common

Stock

07/31/2011

(Print or Type Responses)

1. Name and Address of Reporting Person * STRANGHOENER LAWRENCE W			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 DRIVE, SUITE E490			(Month/Day/Year) 07/31/2011	Director 10% Owner _X Officer (give title Other (speci- below) below) Chief Financial Officer			
	(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			
PLYMOUTH, (City)	MN 5544 (State)	1 (Zip)	Table I - Non-Derivative Securities Ac	Form filed by More than One Reporting Person required. Disposed of, or Beneficially Owner.			

(City)	(State)	(Zip) Tabl	e I - Non-D	erivative Securities Acq	uired, Disposed of	, or Beneficial	ly Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired	5. Amount of	6.	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transactio	n(A) or Disposed of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)	Beneficially	Form: Direct	Beneficial
		(Month/Day/Year)	(Instr 8)		Owned	(D) or	Ownership

		(Month/Day/Year)	(Instr. 8) Code V	Amount	(A) or (D)	Price	Owned Following Reported Transaction(s) (Instr. 3 and 4)	(D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)
Common Stock					()		100	I	By Daughter
Common Stock							100	I	By Daughter
Common Stock							50	I	by Son
Common Stock	07/31/2011		M	3,931	A	\$ 0	96,146	D	

1,679 D

 $F^{(7)}$

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transacti Code (Instr. 8)	Secu Acqu (A) o Dispe	rities ired or osed of 3, 4,	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						<u>(3)</u>	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						<u>(3)</u>	07/31/2018	Common Stock	7,315
Restricted Stock Units	\$ 0 (1)	07/31/2011		M		3,931	07/31/2011	(2)	Common Stock	3,931
Stock Option (Right to Buy)	\$ 52.72						<u>(4)</u>	07/27/2019	Common Stock	14,423

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Restricted Stock Units	\$ 0 <u>(1)</u>	07/27/2012	(2)	Common Stock	13,657
Stock Option (Right to Buy)	\$ 44.93	<u>(5)</u>	07/27/2020	Common Stock	22,285
Restricted Stock Units	\$ 0 <u>(1)</u>	07/27/2013	<u>(2)</u>	Common Stock	12,241
Stock Option (Right to Buy)	\$ 70.62	<u>(6)</u>	07/21/2021	Common Stock	13,997
Restricted Stock Units	\$ 0 <u>(1)</u>	07/21/2014	(2)	Common Stock	6,136

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

Chief Financial Officer

Signatures

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

08/02/2011

**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 07/27/2009; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) Grant Date 07/27/2010; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (6) Grant Date 07/21/2011; 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.

Reporting Owners 3

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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.