MOSAIC CO Form 4 August 04, 2010

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB 3235-0287

OMB APPROVAL

Number: Expires:

5. Relationship of Reporting Person(s) to

Issuer

50

95,687

92,215

\$0

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January 31, 2005

0.5

Estimated average burden hours per

response...

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

See Instruction

Check this box

if no longer

subject to

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

Symbol

1(b).

Common

Common

Common

08/02/2010

08/02/2010

Stock

Stock

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person *

STRANGHOENER LAWRENCE W

			MOSAIC CO [MOS]			(Check all applicable)					
(Last)	(First) (Middle)	3. Date of Earliest Transaction				(66	л шт цррпоцот	•)		
			(Month/D	Day/Year)				Director	10%	Owner	
C/O THE MOSAIC 08/02/2			08/02/2	02/2010				_X_ Officer (give title Other (specify			
COMPANY, 3033 CAMPUS							below) below) Chief Financial Officer				
DRIVE, SU	JITE E490							Cinci	i muneiur ome	C1	
	(Street)		4. If Ame	endment, Da	ate Original			6. Individual or Jo	oint/Group Filir	ng(Check	
Filed(Month/Day/Year)						Applicable Line) _X_ Form filed by One Reporting Person					
PLYMOU'	ΓH, MN 55441							Form filed by M Person	More than One Re	eporting	
(City)	(State)	(Zip)	Tabl	le I - Non-I	Derivative S	Securit	ies Acq	uired, Disposed of	f, or Beneficial	ly Owned	
1.Title of	2. Transaction Date	e 2A. Deeme	ed	3.	4. Securiti	es Acq	uired	5. Amount of	6.	7. Nature of	
Security	(Month/Day/Year)	Execution	Date, if		on(A) or Dis	•		Securities	Ownership	Indirect	
(Instr. 3)		any	(\$7)	Code	(Instr. 3, 4	and 5))	Beneficially Owned			
		(Month/Da	ay/rear)	(Instr. 8)				Following	(D) or Indirect (I)	Ownership (Instr. 4)	
								Reported	(Instr. 4)	(Illisti: 1)	
						(A)		Transaction(s)			
				Code V	Amount	or (D)	Price	(Instr. 3 and 4)			
Common						()		100	I	By	
Stock								100	1	Daughter	
Common Stock								100	I	By Daughter	

M

 $F^{(7)}$

10,617 A

3,472

by Son

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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)	4. Transactic Code (Instr. 8)	iorDeriv Secu Acqu or Di (D)	urities uired (A) Disposed of tr. 3, 4,	Expiration Dat (Month/Day/Y	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						<u>(3)</u>	10/29/2014	Common Stock	52,084	
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	
Restricted Stock Units	\$ 0 (1)	08/02/2010		M		10,617	08/02/2010	(2)	Common Stock	10,617	
Stock Option (Right to Buy)	\$ 127.21						<u>(4)</u>	07/31/2018	Common Stock	7,315	
Restricted Stock Units	\$ 0 (1)						07/31/2011	(2)	Common Stock	3,931	
	\$ 52.72						(5)	07/27/2019		14,423	

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

Reporting Owners

Reporting Owner Name / Address Relationships

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

08/04/2010

**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) This Stock Option is 100% exercisable.
- (4) Grant Date 07/31/2008; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) Grant Date 07/27/2009; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (6) Grant Date 07/27/2010; 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.

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