MOSAIC CO Form 4 August 08, 2006

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

Number: 3235-0287

Synings: January 31,

Expires: 2005
Estimated average

burden hours per response... 0.5

Check this box if no longer subject to Section 16.

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

1. Name and Address of Reporting Person * STRANGHOENER LAWRENCE W			2. Issuer Name Symbol MOSAIC CO	e and Ticker or Trading	5. Relationship Issuer	5. Relationship of Reporting Person(s) to Issuer			
(Last)	(First)	(Middle)	3. Date of Earlie	est Transaction	(Cl	,			
3033 CAMPUS DRIVE, SUITE E490			(Month/Day/Ye 08/04/2006	ar)	below)	give title 0tl below) Exec. VP & CFO	her (specify		
(Street)			4. If Amendmen	t, Date Original	6. Individual of	6. Individual or Joint/Group Filing(Check			
PLYMOUTH, MN 55441			Filed(Month/Day	/Year)	_X_ Form filed b	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
(City)	(State)	(Zip)	Table I - N	on-Derivative Securities		l of, or Beneficia	ally Owned		
1.Title of	2. Transaction	n Date 2A. Dee	med 3.	4. Securities	5. Amount of	6. Ownership	7. Nature o		

(City)	(State) (2	Table	e I - Non-D	erivative S	Securities Ac	quired, Disposed	of, or Beneficia	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securit onAcquired Disposed (Instr. 3,	(A) or 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			Code V	Amount	(D) Thee	3,100	D	
Common Stock						100	I	By Daughter
Common Stock						100	I	By Daughter
Common Stock						50	I	by Son

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. Transactic Code (Instr. 8)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date		7. Title and Amount Underlying Securition (Instr. 3 and 4)	
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Restricted Stock Units	\$ 0					10/29/2008	(2)	Common Stock	23,2
Stock Option (right to buy)	\$ 15.04					09/22/2005(1)	09/22/2014	Common Stock	52,0
Restricted Stock Units	\$ 0					08/01/2008	(2)	Common Stock	21,6
Stock Option (right to buy)	\$ 17.29					08/01/2006 <u>(3)</u>	08/01/2015	Common Stock	64,9
Restricted Stock Units	\$ 0	08/04/2006		A	20,373	08/04/2009	(2)	Common Stock	20,3
Stock Option (right to buy)	\$ 15.45	08/04/2006		A	61,120	08/04/2007(4)	08/04/2016	Common Stock	61,1
Restricted Stock Units	\$ 0	08/04/2006		A	64,725	08/04/2007(5)	(2)	Common Stock	64,7

Reporting Owners

Reporting Owner Name / Address

Relationships

Reporting Owners 2

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Director 10% Owner Officer Other

STRANGHOENER LAWRENCE W 3033 CAMPUS DRIVE SUITE E490 PLYMOUTH, MN 55441

Exec. VP & CFO

Signatures

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

08/08/2005

**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) Vests 1/3 on 9/22/2005, 1/3 on 9/22/2006 and 1/3 on 9/22/2007.
- (2) Not applicable.
- (3) Vests 33.33% on 8/1/2006, 8/1/2007 and 8/1/2008.
- (4) Vests 33.33% on 8/4/2007, 8/4/2008 and 8/4/2009.
- (5) Vests 1/2 on 8/4/2007 and 1/2 on 8/4/2008.

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.

Signatures 3