

MOSAIC CO
Form 4
August 03, 2005

FORM 4

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

OMB APPROVAL

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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)
3033 CAMPUS DRIVE, SUITE E490
(Street)

PLYMOUTH, MN 55441

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
MOSAIC CO [MOS]

3. Date of Earliest Transaction (Month/Day/Year)
08/01/2005

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

____ Director _____ 10% Owner
 Officer (give title below) _____ Other (specify below)
Exec. VP & CFO

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, 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. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (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 Ownership (Instr. 4)
				(A) or (D) Code V Amount (D) Price			
Common Stock					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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(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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Security (Instr. 3 and 4)
				Code	V (A) (D)	Date Exercisable Expiration Date	Title Amount or Number of Shares
Grant of Restricted Stock Units	\$ 0					10/29/2008 (2)	Common Stock 23,2
Grant of Stock Option	\$ 15.04					09/22/2005(1) 09/22/2014	Common Stock 52,0
Grant of Restricted Stock Units	\$ 0	08/01/2005		A	21,645	08/01/2008 (2)	Common Stock 21,6
Grant of Stock Option	\$ 17.29	08/01/2005		A	64,935	08/01/2006(3) 08/01/2015	Common Stock 64,9

Reporting Owners

Reporting Owner Name / Address	Relationships			
	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

08/03/2005

**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 August 1, 2006, August 1, 2007 and August 1, 2008.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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