

MOSAIC CO

Form 4

August 06, 2007

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

OMB APPROVAL

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(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)

08/02/2007

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

5. Relationship of Reporting Person(s) to
Issuer

(Check all applicable)

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

Exec. VP & CFO

6. Individual or Joint/Group Filing(Check
Applicable Line)

____X____ 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 Indirect Beneficial Ownership (Instr. 4)
Common Stock					100	I	By Daughter
Common Stock					100	I	By Daughter
Common Stock					50	I	by Son
Common Stock	08/04/2007		M	32,362 A	\$ 0 35,462	D	
Common Stock	08/04/2007		F	11,286 (5) D	\$ 0 24,176	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. 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 An Underlying Se (Instr. 3 and 4)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title
Restricted Stock Units	\$ 0 ⁽¹⁾							10/29/2008	⁽²⁾	Common Stock
Stock Option (right to buy)	\$ 15.04							09/22/2005 ⁽³⁾	09/22/2014	Common Stock
Restricted Stock Units	\$ 0 ⁽¹⁾							08/01/2008	⁽²⁾	Common Stock
Stock Option (right to buy)	\$ 17.29							08/01/2006 ⁽³⁾	08/01/2015	Common Stock
Restricted Stock Units	\$ 0 ⁽¹⁾							08/04/2009	⁽²⁾	Common Stock
Stock Option (right to buy)	\$ 15.45							08/04/2007 ⁽³⁾	08/04/2016	Common Stock
Restricted Stock Units	\$ 0 ⁽¹⁾	08/04/2007		M		32,362		08/04/2007 ⁽⁴⁾	⁽²⁾	Common Stock
Restricted Stock Units	\$ 0 ⁽¹⁾							10/06/2009	⁽²⁾	Common Stock
Stock	\$ 40.03	08/02/2007		A		25,328		08/02/2008 ⁽³⁾	08/02/2017	Common

Option
(right to
buy)

Stock

Restricted
Stock
Units

\$ 0 ⁽¹⁾

08/02/2007

A

10,617

08/02/2010

⁽²⁾

Common
Stock

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

08/06/2007

 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) Vests as to annual cumulative installments of 33.33% one year from grant, beginning this date.
- (4) Vests on 8/4/2008.
- (5) 11,286 shares withheld to cover tax liability incurred as a result of vesting of Restricted Stock Unit on 8/4/07.

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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