

MOSAIC CO
Form 4
January 27, 2011

FORM 4

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

OMB APPROVAL

OMB Number: 3235-0287
Expires: January 31, 2005
Estimated average burden hours per response... 0.5

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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)

C/O THE MOSAIC
COMPANY, 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)

01/26/2011

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)

Chief Financial Officer

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 Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price
Common Stock					100	I	By Daughter
Common Stock					100	I	By Daughter
Common Stock					50	I	by Son
Common Stock	01/26/2011		M		40,000	A	\$ 15.04 132,215
Common Stock	01/26/2011		S		40,000	D	\$ 78.9601 92,215

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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 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	01/26/2011		M	40,000	(3) 10/29/2014	Common Stock 40,000
Stock Option (right to buy)	\$ 17.29					(3) 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					(4) 07/31/2018	Common Stock 7,315
Restricted Stock Units	\$ 0 (1)					07/31/2011 (2)	Common Stock 3,931
Stock Option (Right to Buy)	\$ 52.72					(5) 07/27/2019	Common Stock 14,423

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

01/27/2011

 **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 07/31/2008; 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.

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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