

MOSAIC CO  
Form 4  
July 28, 2010

**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)

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)  
07/27/2010

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D)<br>Code V Amount (D) Price                             |   |  |                                   |
| Common Stock                    |                                      |  |                                |   | 100   | I  | By Daughter                       |
| Common Stock                    |                                      |  |                                |   | 100   | I  | By Daughter                       |
| Common Stock                    |                                      |  |                                |   | 50  | I  | by Son                            |
| Common Stock                    |                                      |  |                                |   | 85,070  | D  |                                   |

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 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   |                                      |  |                                |   | <u>(3)</u>   | 08/04/2016  | Common Stock | 61,120                     |
| Stock Option (right to buy)                | \$ 40.03   |                                      |  |                                |   | <u>(4)</u>   | 08/02/2017  | Common Stock | 25,328                     |
| Restricted Stock Units                     | \$ 0 <u>(1)</u>  |                                      |  |                                |   | 08/02/2010   | <u>(2)</u>  | Common Stock | 10,617                     |
| Stock Option (Right to Buy)                | \$ 127.21  |                                      |  |                                |   | <u>(5)</u>   | 07/31/2018  | Common Stock | 7,315                      |
| Restricted Stock Units                     | \$ 0 <u>(1)</u>  |                                      |  |                                |   | 07/31/2011   | <u>(2)</u>  | Common Stock | 3,931                      |
| Stock Option                               | \$ 52.72   |                                      |  |                                |   | <u>(6)</u>   | 07/27/2019  | Common Stock | 14,423                     |

(Right to Buy)

Restricted  
Stock  
Units\$ 0 <sup>(1)</sup>

07/27/2012

<sup>(2)</sup>Common  
Stock

13,657

Stock  
Option  
(Right to Buy)

\$ 44.93

07/27/2010

A

22,285

<sup>(7)</sup>

07/27/2020

Common  
Stock

22,285

Restricted  
Stock  
Units\$ 0 <sup>(1)</sup>

07/27/2010

A

12,241

07/27/2013

<sup>(2)</sup>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

07/28/2010

\*\*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 08/02/2007; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

(5) Grant Date 07/31/2008; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

(6) Grant Date 07/27/2009; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

(7) 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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