

BRAUSEN ANTHONY T  
Form 4  
January 25, 2011

**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 \*  
**BRAUSEN ANTHONY T**

(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)  
01/24/2011

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)  
Vice President -Finance

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) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|---|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |   |
|                                 |                                      |  |                                | Code  | V   | Amount   |   |
| Common Stock                    | 01/24/2011                           |  | S                              |   | 2,300   | D  | \$ 75.648 4,915 D                                     |
| Common Stock                    | 01/24/2011                           |  | M                              |   | 7,200   | A  | \$ 16.03 12,115 D                                     |
| Common Stock                    | 01/24/2011                           |  | S                              |   | 7,200   | D  | \$ 75.648 4,915 D                                     |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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SEC 1474  
(9-02)

displays a currently valid OMB control number.

**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)                | \$ 16.03   | 01/24/2011                           |  | M                              | 7,200   | <u>(5)</u>   | 02/27/2016  | Common Stock | 7,200                      |
| Stock Option (Right to Buy)                | \$ 15.45   |                                      |  |                                |   | <u>(5)</u>   | 08/04/2016  | Common Stock | 19,716                     |
| Stock Option (Right to Buy)                | \$ 40.03   |                                      |  |                                |   | <u>(5)</u>   | 08/02/2017  | Common Stock | 11,323                     |
| Stock Option (Right to Buy)                | \$ 127.21  |                                      |  |                                |   | <u>(3)</u>   | 07/31/2018  | Common Stock | 2,195                      |
| Restricted Stock Units                     | \$ 0 <u>(1)</u>  |                                      |  |                                |   | 07/31/2011   | <u>(2)</u>  | Common Stock | 1,179                      |
| Stock Option (Right to Buy)                | \$ 52.72   |                                      |  |                                |   | <u>(4)</u>   | 07/27/2019  | Common Stock | 5,258                      |
| Restricted Stock Units                     | \$ 0 <u>(1)</u>  |                                      |  |                                |   | 07/27/2012   | <u>(2)</u>  | Common Stock | 3,319                      |
| Stock Option (Right to Buy)                | \$ 44.93   |                                      |  |                                |   | <u>(6)</u>   | 07/27/2020  | Common Stock | 5,105                      |

|            |                     |            |            |        |       |
|------------|---------------------|------------|------------|--------|-------|
| Restricted |                     |            |            |        |       |
| Stock      | \$ 0 <sup>(1)</sup> | 07/27/2013 | <u>(2)</u> | Common | 4,986 |
| Units      |                     |            |            | Stock  |       |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                         |       |
|--|---------------|-----------|-------------------------|-------|
|  | Director      | 10% Owner | Officer                 | Other |
| BRAUSEN ANTHONY T<br>C/O THE MOSAIC COMPANY<br>3033 CAMPUS DRIVE, SUITE E490<br>PLYMOUTH, MN 55441 |               |           | Vice President -Finance |       |

## Signatures

/s/ Richard L. Mack, Attorney-in-Fact for Anthony T.  
Brausen

01/25/2011

\*\*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) 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.

(4) 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.

(5) This Stock Option is 100% exercisable.

(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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