McLellan Richard N Form 4 July 31, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB APPROVAL OMB

3235-0287 Number: January 31,

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Check this box if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

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

1(b).

(Print or Type Responses)

| 1. Name and Ad McLellan Ric | • | orting Person * | Symbol MOSAIC CO [MOS] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | |
|--------------------------------------|------------|-----------------|---------------------------------|--|--|--|
| (Last) (First) (Middle) | | | 3. Date of Earliest Transaction | (Check an applicable) | | |
| C/O THE MO COMPANY, DRIVE, SUI | , 3033 CAN | 1PUS | (Month/Day/Year) 07/27/2012 | Director 10% OwnerX Officer (give title Other (specify below) Sr Vice President-Commercial | | |
| | (Street) | | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | |
| PLYMOUTH, MN 55441 | | | Filed(Month/Day/Year) | Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person | | |

| (C | ity) | (State) | (Zip) Table | e I - Non-D | erivative | Secur | rities Acq | uired, Disposed of | f, or Beneficial | ly Owned |
|---------------------------------|------|---|---|--|---|-------|--|--|---|----------|
| 1.Title Securit (Instr. 3 | У | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transactio Code (Instr. 8) | 4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) (A) or | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | Code V | Amount | (D) | Price | (Instr. 3 and 4) | | |
| Comn | | 07/27/2012 | | M | 6,259 | A | \$0 | 17,514 | D | |
| Comn | | 07/27/2012 | | F | 2,047 | D | \$ 58.73 | 15,467 | D | |

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

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$\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$

| 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. Transactic Code (Instr. 8) | 5. Number op f Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | e Expiration Da (Month/Day/Y | 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>(1)</u> | 10/29/2014 | Common Stock | 21,593 | |
| Stock Option (right to Buy) | \$ 17.29 | | | | | <u>(1)</u> | 08/01/2015 | Common Stock | 13,915 | |
| Stock Option (Right to Buy) | \$ 15.45 | | | | | <u>(1)</u> | 08/04/2016 | Common Stock | 16,562 | |
| Stock Option (Right to Buy) | \$ 40.03 | | | | | <u>(1)</u> | 08/02/2017 | Common Stock | 12,574 | |
| Stock Option (Right to Buy) | \$ 127.21 | | | | | <u>(1)</u> | 07/31/2018 | Common Stock | 2,926 | |
| Stock Option (Right to Buy) | \$ 52.72 | | | | | <u>(1)</u> | 07/27/2019 | Common Stock | 6,611 | |
| Restricted Stock Units | \$ 0 (2) | 07/27/2012 | | M | 6,259 | 9 07/27/2012 | <u>(3)</u> | Common Stock | 6,259 | |
| Stock Option (Right to Buy) | \$ 44.93 | | | | | <u>(4)</u> | 07/27/2020 | Common Stock | 10,130 | |
| | \$ 0 (2) | | | | | 07/27/2013 | (3) | | 5,564 | |

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| Restricted Stock Units | | | | Common Stock | |
|--------------------------------------|-----------------|------------|------------|-----------------|--------|
| Stock Option (Right to Buy) | \$ 70.62 | <u>(5)</u> | 07/21/2021 | Common Stock | 6,460 |
| Restricted Stock Units | \$ 0 <u>(2)</u> | 07/21/2014 | <u>(3)</u> | Common Stock | 2,832 |
| Stock Option (Right to Buy) | \$ 57.62 | <u>(6)</u> | 07/19/2022 | Common Stock | 11,655 |
| Restricted Stock Units | \$ 0 <u>(2)</u> | 07/19/2015 | <u>(3)</u> | Common Stock | 4,628 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--------------------------------|---------------|-----------|----------------------|-------|--|--|
| • 0 | Director | 10% Owner | Officer | Other | | |
| McLellan Richard N | | | | | | |
| C/O THE MOSAIC COMPANY | | | Sr Vice | | | |
| 3033 CAMPUS DRIVE, SUITE E490 | | | President-Commercial | | | |
| PLYMOUTH, MN 55441 | | | | | | |

Signatures

/s/ Richard L. Mack, Attorney in Fact for Richard N. 07/31/2012 McLellan

**Signature of Reporting Person

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) This Stock Option is 100% exercisable.
- (2) One-for-One
- (3) Not Applicable
- (4) 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.

Date

- (5) Grant Date 07/21/2011; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (6) Grant Date 07/19/2012; 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.

Reporting Owners 3

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