MOSAIC CO Form 4 April 25, 2005

FORM 4

OMB APPROVAL

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

OMB 3235-0287

Check this box if no longer subject to Section 16.

Number: January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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 * MACKAY HAROLD H | | | 2. Issuer Name and Ticker or Trading Symbol MOSAIC CO [MOS] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | |
|---|----------|----------|---|---|--|--|
| (Last) | (First) | (Middle) | 3. Date of Earliest Transaction (Month/Day/Year) | X Director 10% Owner | | |
| 1500 - 1874 SCARTH STREET | | | 04/21/2005 | Officer (give title Other (specify below) | | |
| | (Street) | | 4. If Amendment, Date Original Filed(Month/Day/Year) | 6. Individual or Joint/Group Filing(CheckApplicable Line)X Form filed by One Reporting Person | | |
| REGINA, A9 S4P-4EP | | | | Form filed by More than One Reporting Person | | |

| (City) | (State) | (Zip) Tabl | e I - Non-D | erivative | Secur | rities Acq | uired, Disposed o | f, or Beneficial | ly Owned |
|--------------------------------------|------------|------------|-------------|---|------------------|-------------|---------------------------------|--|---|
| 1.Title of Security (Instr. 3) | any Code | | Transactio | 4. Securities Acquired on(A) or Disposed of (D) (Instr. 3, 4 and 5) | | | Securities Beneficially | 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 | Transaction(s) (Instr. 3 and 4) | | |
| Common Stock | 04/21/2005 | | P | 1,908 | A | \$ 13.74 | 3,700 | D | |
| Common Stock | 04/21/2005 | | P | 1,300 | A | \$ 13.75 | 5,000 | D | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form 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)

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| 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. orNumber 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) | \$ 32.425 | | | | | 10/22/2004 | 07/31/2005 | Common Stock | 8,000 |
| Stock Option (right to buy) | \$ 41.9375 | | | | | 10/22/2004 | 08/15/2006 | Common Stock | 2,000 |
| Stock Option (right to buy) | \$ 35.0313 | | | | | 10/22/2004 | 08/21/2007 | Common Stock | 2,000 |
| Stock Option (right to buy) | \$ 34.875 | | | | | 10/22/2004 | 05/12/2008 | Common Stock | 2,500 |
| Stock Option (right to buy) | \$ 22.6562 | | | | | 10/22/2004 | 04/27/2009 | Common Stock | 2,500 |
| Stock Option (right to buy) | \$ 14.6563 | | | | | 10/22/2004 | 04/25/2010 | Common Stock | 2,500 |
| Stock Option (right to buy) | \$ 10.815 | | | | | 10/22/2004 | 05/11/2011 | Common Stock | 2,500 |
| Stock Option (right to buy) | \$ 12.15 | | | | | 10/22/2004 | 05/10/2012 | Common Stock | 9,800 |

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| Stock Option (right to buy) | \$ 9.75 | 10/22/2004 | 05/16/2013 | Common Stock | 9,150 |
|--|----------|------------|------------|-----------------|-------|
| Stock Option (right to buy) | \$ 11.59 | 10/22/2004 | 05/14/2014 | Common Stock | 7,800 |
| Grant of Restricted Stock Units | \$ 0 | 11/30/2007 | <u>(1)</u> | Common Stock | 3,452 |

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | | | |
|--------------------------------|---------------|-----------|---------|-------|--|--|
| r | Director | 10% Owner | Officer | Other | | |
| MACKAY HAROLD H | | | | | | |
| 1500 - 1874 SCARTH STREET | X | | | | | |
| REGINA, A9 S4P-4EP | | | | | | |

Signatures

s/Richard L. Mack, Attorney in fact for Harold H.

MacKay

**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) Not applicable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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