

MOSAIC CO
Form 4
April 25, 2005

FORM 4

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

OMB APPROVAL

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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 *
MACKAY HAROLD H

(Last) (First) (Middle)
1500 - 1874 SCARTH STREET
(Street)
REGINA, A9 S4P-4EP

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
MOSAIC CO [MOS]

3. Date of Earliest Transaction
(Month/Day/Year)
04/21/2005

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)

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)
			Code	V Amount (A) or (D) Price			
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.

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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. 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)	8. P Der Sec (Ins	
				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

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			
	Director	10% Owner	Officer	Other
MACKAY HAROLD H 1500 - 1874 SCARTH STREET REGINA, A9 S4P-4EP		X		

Signatures

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

04/25/2005

__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.
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