MOSAIC CO Form 4 April 25, 2005

### FORM 4

#### OMB APPROVAL

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

OMB Number: 3235-0287

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

Expires: January 31, 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

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(b).

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	(Chook an approacts)
1500 - 1874 S	CARTH ST	REET	(Month/Day/Year) 04/21/2005	X Director 10% Owner Officer (give title below) Other (specify below)
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check
REGINA, A9	S4P-4EP		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person

(C:+-)	(04-4-)	(7:)	
(City)	(State)	(Zip)	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. Securi on(A) or D (Instr. 3,	ispose	d of (D)	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	or (D)	Price	(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.

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(9-02)

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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