

MACKAY HAROLD H
 Form 4
 October 26, 2004

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)
 10/22/2004

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)
Common Stock	10/22/2004		A	1,792 D	1,792	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)

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. D	
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 32.425	10/22/2004		A		8,000		10/22/2004	07/31/2005	Common Stock	8,000
Stock Option (right to buy)	\$ 41.9375	10/22/2004		A		2,000		10/22/2004	08/15/2006	Common Stock	2,000
Stock Option (right to buy)	\$ 35.0313	10/22/2004		A		2,000		10/22/2004	08/21/2007	Common Stock	2,000
Stock Option (right to buy)	\$ 34.875	10/22/2004		A		2,500		10/22/2004	05/12/2008	Common Stock	2,500
Stock Option (right to buy)	\$ 22.6562	10/22/2004		A		2,500		10/22/2004	04/27/2009	Common Stock	2,500
Stock Option (right to buy)	\$ 14.6563	10/22/2004		A		2,500		10/22/2004	04/25/2010	Common Stock	2,500
Stock Option (right to buy)	\$ 10.815	10/22/2004		A		2,500		10/22/2004	05/11/2011	Common Stock	2,500
Stock Option (right to buy)	\$ 12.15	10/22/2004		A		9,800		10/22/2004	05/10/2012	Common Stock	9,800
Stock Option	\$ 9.75	10/22/2004		A		9,150		10/22/2004	05/16/2013	Common Stock	9,150

(right to buy)

Stock

Option (right to buy)	\$ 11.59	10/22/2004		A	7,800	10/22/2004	05/14/2014	Common Stock	7,800
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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

10/26/2004

__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) Received in exchange for 1,792 shares of IMC Global Inc. common stock with merger of IMC Global (the "Merger"). On the effective date of the Merger, the closing price of IMC Global's common stock was \$15.00 per share.
- (2) Received in the Merger in exchange for a stock option to acquire the same number of IMC Global common stock at the same price per share.

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.