MATHIS DAVID B

Form 4

October 26, 2004

Check this box

if no longer

subject to

Section 16.

Form 4 or

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading MATHIS DAVID B Issuer Symbol MOSAIC CO [MOS] (Check all applicable) (First) (Middle) (Last) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Officer (give title Other (specify 770 BARBERRY LANE 10/22/2004 below) (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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Number:

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LAKE FOREST, IL 60045

(City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 4. Securities 5. Amount of 6. Ownership 7. Nature of Security (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Securities Form: Direct Indirect (Instr. 3) Code Disposed of (D) Beneficially (D) or Beneficial Indirect (I) (Month/Day/Year) (Instr. 8) (Instr. 3, 4 and 5) Owned Ownership (Instr. 4) Following (Instr. 4) Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price Common 10/22/2004 D A

Stock

2,367 Α <u>(1)</u>

2,367

Person

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)	Code	5. Number conf 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 Se (I
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 29.75	10/22/2004		A	2,000	10/22/2004	08/17/2005	Common Stock	2,000	
Stock Option (right to buy)	\$ 41.9375	10/22/2004		A	2,000	10/22/2004	08/15/2006	Common Stock	2,000	4
Stock Option (right to buy)	\$ 35.0313	10/22/2004		A	2,000	10/22/2004	08/21/2007	Common Stock	2,000	(1)
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	2
Stock Option (right to buy)	\$ 14.6563	10/22/2004		A	2,500	10/22/2004	04/25/2010	Common Stock	2,500	1
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)

buy)

Stock
Option
(right to \$11.59 10/22/2004)

A 7,800

10/22/2004 05/14/2014

Common Stock

7,800

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

MATHIS DAVID B

770 BARBERRY LANE X

LAKE FOREST, IL 60045

Signatures

s/Richard L.

Mack

**Signature of Date

**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) Received in exchange for 2,367 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.

Reporting Owners 3