MOSAIC CO Form 4 August 03, 2005

FORM 4

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

Check this box subject to

if no longer Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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

2. Issuer Name and Ticker or Trading

MOSAIC CO [MOS]

(Month/Day/Year)

Filed(Month/Day/Year)

08/01/2005

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Print or Type Responses)

1(b).

1. Name and Address of Reporting Person * MATHIS DAVID B

(First) (Middle) (Last)

770 BARBERRY LANE

(Street)

LAKE FOREST, IL 60045

1.Title of

Security

(Instr. 3)

Common

Stock

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

X_ Director 10% Owner Officer (give title Other (specify

below) 6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

5. Amount of

Beneficially

Securities

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

(City) (State) (Zip)

2. Transaction Date 2A. Deemed

(Month/Day/Year) Execution Date, if

(Month/Day/Year)

Symbol

4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8) (Instr. 3, 4 and 5)

Following Reported Transaction(s) (Instr. 3 and 4)

Owned

Code V Amount (D) Price

(A)

or

2,367

D

(D) or

Indirect (I)

(Instr. 4)

Form: Direct

6. Ownership 7. Nature of

Indirect

Beneficial

Ownership

(Instr. 4)

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. Transactic Code (Instr. 8)	Securiti	vative ies ed	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)	\$ 29.75						10/22/2004	08/17/2005	Common Stock	2,000
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	\$ 9.75						10/22/2004	05/16/2013	Common Stock	9,150

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(right to buy)								
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
Grant of Restricted Stock Units	\$ 0	08/01/2005	A	3,470	08/01/2008	<u>(1)</u>	Common Stock	3,470

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MATHIS DAVID B 770 BARBERRY LANE LAKE FOREST, IL 60045	X						

Signatures

s/Richard L. Mack, Attorney in fact for David B.

Mathis

**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.

Reporting Owners 3