

MOSAIC CO
Form 4
July 23, 2007

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 *
MATHIS DAVID B

(Last) (First) (Middle)
770 BARBERRY LANE
(Street)
LAKE FOREST, IL 60045
(City) (State) (Zip)

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

3. Date of Earliest Transaction
(Month/Day/Year)
07/20/2007

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	07/20/2007		M	V 2,000 A	\$ 35.0313 16,017	D	

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

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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. 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)			
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 35.0313	07/20/2007		M		2,000		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)	\$ 12.15							10/22/2004	05/10/2012	Common Stock	9,800
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							08/01/2008	<u>(1)</u>	Common Stock	3,470
Grant of Restricted	\$ 0							08/04/2009	<u>(1)</u>	Common Stock	4,207

Stock
Units

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

07/23/2007

__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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