

MOSAIC CO  
Form 4  
August 10, 2005

**FORM 4**

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

OMB APPROVAL

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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**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 \*  
PERTZ DOUGLAS A

(Last) (First) (Middle)

100 SOUTH SAUNDERS ROAD, SUITE 300

(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)  
08/08/2005

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)
				(A) or (D)	Price		
Common Stock	08/08/2005		M	V	\$ 187,500	A	253,462.52 D
Common Stock	08/08/2005		S <sup>(1)</sup>		\$ 17.5	D	65,962.52 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)

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**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned**  
(e.g., puts, calls, warrants, options, convertible securities)

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 Number Shares
Stock Option (right to buy)	\$ 18.1875					10/22/2004 08/28/2008	Common Stock 320,0
Stock Option (right to buy)	\$ 18.1875					10/22/2004 08/28/2008	Common Stock 180,0
Stock Option (right to buy)	\$ 14.3125					10/22/2004 10/01/2009	Common Stock 275,0
Stock Option (right to buy)	\$ 15.0312					10/22/2004 02/22/2010	Common Stock 254,0
Stock Option (right to buy)	\$ 15.0625					10/22/2004 03/30/2010	Common Stock 124,0
Stock Option (right to buy)	\$ 13.55					10/22/2004 02/28/2011	Common Stock 325,0
Stock Option (right to buy)	\$ 12.99	08/08/2005		M	187,500	10/22/2004 01/02/2012	Common Stock 187,5
Stock Option (right to buy)	\$ 10.76					10/22/2004 01/02/2013	Common Stock 32,8
Grant of Restricted Stock	\$ 0					11/30/2007 <sup>(2)</sup>	Common Stock 3,45

Units

Grant of  
Restricted  
Stock  
Units

\$ 0

08/01/2008

(2)

Common  
Stock

3,47

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
PERTZ DOUGLAS A 100 SOUTH SAUNDERS ROAD SUITE 300 LAKE FOREST, IL 60045	X			

## Signatures

s/Richard L. Mack Attorney in fact for Douglas A.  
Pertz

08/10/2005

\_\_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) The sales reported in this Form 4 were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on February 1, 2005.
- (2) 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.