**MOSAIC CO** Form 4 July 18, 2005

## FORM 4

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

**OMB APPROVAL** 3235-0287

Number:

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0.5

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response...

if no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box

**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 See Instruction

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

1(b).

(Print or Type Responses)

Name and Address of Reporting Person * ERTZ DOUGLAS A			2. Issuer Name <b>and</b> Ticker or Trading     Symbol     MOSAIC CO [MOS]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check an applicable)		
100 SOUTH ROAD, SUI	I SAUNDERS TE 300		(Month/Day/Year) 07/14/2005	_X_ Director 10% Owner Officer (give title below) Other (specify below)		
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
LAKE FOR	EST, IL 60045		Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(State)

(Zip)

(City)

(City)	(State)	Tabl	le I - Non-I	Derivative S	ecurit	ies Acqui	red, Disposed of,	or Beneficial	y Owned	
1.Title of Security	2. Transaction Date (Month/Day/Year)	Execution Date, if		4. Securitie	d of (D	))	5. Amount of Securities	6. Ownership	7. Nature of Indirect Beneficial	
(Instr. 3)		any (Month/Day/Year)	Code (Instr. 8)	(Instr. 3, 4	(A) or (D)	Price	Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	Form: Direct (D) or Indirect (I) (Instr. 4)	Ownership (Instr. 4)	
Common Stock	07/14/2005		$S_{\underline{(1)}}^{(1)}$	110,000	D		18,168.52	D		
Common Stock	07/14/2005		M	47,794	A	\$ 10.19	65,962.52	D		

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

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# $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (\emph{e.g.}, puts, calls, warrants, options, convertible securities) \\ \end{tabular}$

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)	orDeriva Securi Acqui	red (A) posed of 3, 4,	Expiration Date		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	320,00
Stock Option (right to buy)	\$ 18.1875						10/22/2004	08/28/2008	Common Stock	180,00
Stock Option (right to buy)	\$ 14.3125						10/22/2004	10/01/2009	Common Stock	275,00
Stock Option (right to buy)	\$ 15.0312						10/22/2004	02/22/2010	Common Stock	254,00
Stock Option (right to buy)	\$ 15.0625						10/22/2004	03/30/2010	Common Stock	124,04
Stock Option (right to buy)	\$ 13.55						10/22/2004	02/28/2011	Common Stock	325,00
Stock Option (right to buy)	\$ 12.99						10/22/2004	01/02/2012	Common Stock	440,00
Stock Option (right to buy)	\$ 10.76						10/22/2004	01/02/2013	Common Stock	310,00
Stock Option	\$ 10.19	07/14/2005		M		47,794	10/22/2004	01/02/2014	Common Stock	220,00

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(right to buy)

Grant of

Restricted \$ 0

Stock Units 11/30/2007

Common Stock

3,452

## **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

PERTZ DOUGLAS A

100 SOUTH SAUNDERS ROAD

X

SUITE 300 LAKE FOREST, IL 60045

## **Signatures**

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

07/18/2005

\*\*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 pursurant 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.

Reporting Owners 3