MOSAIC CO Form 4 August 06, 2007

FORM 4

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

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

January 31, Expires: 2005 Estimated average burden hours per response... 0.5

OMB APPROVAL

3235-0287

OMB

Number:

Form 4 or Form 5 obligations may continue. See Instruction

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(b).

1. Name and Address of Reporting Person * PINNEY STEVEN L

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

MOSAIC CO [MOS]

(Check all applicable)

(First) (Middle) (Last)

(Street)

(Month/Day/Year)

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

3033 CAMPUS DRIVE, SUITE

08/02/2007

below) below) Senior Vice President

E490

4. If Amendment, Date Original

3. Date of Earliest Transaction

6. Individual or Joint/Group Filing(Check Applicable Line)

Filed(Month/Day/Year)

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

Person

PLYMOUTH, MN 55441

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if

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

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 5. Amount of 6. Ownership Securities Form: Direct Beneficially Owned (T) Following

7. Nature of Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4)

Reported

Code V Amount (D) Price

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

(Month/Day/Year)

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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)

Conversion or Exercise

3. Transaction Date 3A. Deemed (Month/Day/Year)

Execution Date, if any

4. 5. Number of **Transaction**Derivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securiti (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	f			
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Restricted Stock Units	\$ 0 (2)					10/29/2008	<u>(1)</u>	Common Stock	18,2
Stock Option (right to buy)	\$ 15.04					10/29/2007	10/29/2014	Common Stock	51,8
Restricted Stock Units	\$ 0 (2)					08/01/2008	<u>(1)</u>	Common Stock	12,3
Stock Option (right to buy)	\$ 17.29					08/01/2006(3)	08/01/2015	Common Stock	37,1
Restricted Stock Units	\$ 0 (2)					08/04/2009	<u>(1)</u>	Common Stock	14,4
Stock Option (right to buy)	\$ 15.45					08/04/2007(3)	08/04/2016	Common Stock	43,3
Restricted Stock Units	\$ 0 (2)					10/06/2009	<u>(1)</u>	Common Stock	3,08
Stock Option (Right to Buy)	\$ 40.03	08/02/2007		A	19,368	08/02/2008(3)	08/02/2017	Common Stock	19,3
Restricted Stock Units	\$ 0 (2)	08/02/2007		A	8,119	08/02/2010	<u>(1)</u>	Common Stock	8,11

Reporting Owners

Units

Reporting Owner Name / Address	Keiationsnips					
	Director	10% Owner	Officer	Other		

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PINNEY STEVEN L 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441

Senior Vice President

Signatures

s/Richard L. Mack, Attorney in fact for Steven L. Pinney

08/06/2007

**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.
- (2) one-for-one
- (3) Vests as to annual cumulative installments of 33.33% one year from date of grant, beginning this date.

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.

Signatures 3