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 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

2. Issuer Name and Ticker or Trading

MOSAIC CO [MOS]

(Month/Day/Year)

Filed(Month/Day/Year)

3.

08/01/2005

3. Date of Earliest Transaction

4. If Amendment, Date Original

(Print or Type Responses)

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

(First) (Middle) (Last)

8813 HIGHWAY 41 SOUTH

(Street)

RIVERVIEW, FL 33569

(City) (State) (Zip)

1. Title of 2. Transaction Date 2A. Deemed

Security (Instr. 3)

(Month/Day/Year)

Execution Date, if (Month/Day/Year)

TransactionAcquired (A) or Code

Symbol

(Instr. 8)

Disposed of (D)

(Instr. 3, 4 and 5)

4. Securities

Following Reported (A) Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

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.

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

1. Title of Derivative Security

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)

OMB APPROVAL

3235-0287

January 31,

2005

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OMB

Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

6. Ownership

Form: Direct

(D) or Indirect Beneficial

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

(I)

(Instr. 4)

(Check all applicable)

below) Senior Vice President

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

SEC 1474

(9-02)

Indirect

Issuer

below)

Person

5. Amount of

Securities

Owned

Beneficially

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

Director

Applicable Line)

X_ Officer (give title

Estimated average

burden hours per

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A or Disposed (D) (Instr. 3, 4, and 5)	d of			
				Code V	(A)	(D) Date Exercisable	Expiration Date	Title	Amou or Numb of Sha
Grant of Restricted Stock Units	\$ 0					10/29/2008	<u>(1)</u>	Common Stock	18,2
Grant of Stock Option	\$ 15.04					10/29/2007	10/29/2014	Common Stock	51,8
Grant of Restricted Stock Units	\$ 0	08/01/2005		A	12,369	08/01/2008	<u>(1)</u>	Common Stock	12,3
Grant of Stock Option	\$ 17.29	08/01/2005		A	37,106	08/01/2006 <u>(2)</u>	08/01/2015	Common Stock	37,1

Reporting Owners

Reporting Owner Name / Address	Relationships						
Topolonia o milo i milo pirantoso	Director	10% Owner	Officer	Other			
PINNEY STEVEN L 8813 HIGHWAY 41 SOUTH			Senior Vice President				
RIVERVIEW, FL 33569							

Signatures

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

Penney

**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) Vests 33.33% on August 1, 2006, August 1, 2007 and August 1, 2008.

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.

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