MOSAIC CO Form 4 December 04, 2007

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

OMB APPROVAL

Expires:

January 31, 2005

0.5

Estimated average

burden hours per

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Check this box

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 may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Last)

(City)

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * BENTELE RAYMOND F

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

Issuer

(First)

(Middle)

(Zip)

MOSAIC CO [MOS]

(Check all applicable)

C/O THE MOSAIC

(Street)

(State)

COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

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

11/30/2007

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

4. If Amendment, Date Original Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

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

PLYMOUTH, MN 55441

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 2. Transaction Date 2A. Deemed 1. Title of Security (Month/Day/Year) Execution Date, if (Instr. 3)

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

5. Amount of Securities Beneficially (D) or Owned Following (Instr. 4) Reported

6. Ownership 7. Nature of Form: Direct Indirect Beneficial Ownership Indirect (I) (Instr. 4)

(A) Transaction(s) or

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

Common 11/30/2007

\$0 9,520 M 3,452 Α

D

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

(Month/Day/Year)

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SEC 1474 (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. Transacti Code (Instr. 8)	Securities		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
Restricted Stock Units	\$ 0 <u>(1)</u>	11/30/2007		M		3,452	11/30/2007	(2)	Common Stock	3,452
Restricted Stock Units	\$ 0 <u>(1)</u>						08/01/2008	(2)	Common Stock	3,470
Restricted Stock Units	\$ 0 (1)						08/04/2009	(2)	Common Stock	4,207
Restricted Stock Units	\$ 0 (1)						08/02/2010	(2)	Common Stock	1,624

Reporting Owners

Reporting Owner Name / Address	Relationships					
reporting o wher runner runners	Director	10% Owner	Officer	Other		
BENTELE RAYMOND F C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441	X					

Signatures

/s/ Richard L. Mack, Attorney in fact for Raymond F. Bentele

**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).

12/04/2007

- (1) One for one
- (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.

Reporting Owners 2

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