MOSAIC CO Form 4 October 26, 2004

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

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)

(Last)

(City)

Common

Stock

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

(First)

(Middle)

(Zip)

(Street)

(State)

10/22/2004

ST. LOUIS, MO 63131

2320 TODFORTH WAY

2. Issuer Name and Ticker or Trading

Symbol

MOSAIC CO [MOS]

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

10/22/2004

4. If Amendment, Date Original

Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to

Issuer

(Check all applicable)

OMB

Number:

Expires:

response...

Estimated average

burden hours per

OMB APPROVAL

3235-0287

January 31,

2005

0.5

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

below)

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

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

D

Person

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

1.Title of 2. Transaction Date 2A. Deemed Security (Month/Day/Year) Execution Date, if (Instr. 3)

(Month/Day/Year)

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

5. Amount of Securities Beneficially Owned Following Reported

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

Indirect Beneficial Ownership (Instr. 4)

(9-02)

(A) Transaction(s) or (Instr. 3 and 4)

Code V Amount (D) Price

1,568 1,568 A A <u>(1)</u>

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

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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. Transactic Code (Instr. 8)	Securities	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. D Se (I
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (right to buy)	\$ 29.75	10/22/2004		A	2,000	10/22/2004	08/17/2005	Common Stock	2,000	
Stock Option (right to buy)	\$ 41.9375	10/22/2004		A	2,000	10/22/2004	08/15/2006	Common Stock	2,000	2
Stock Option (right to buy)	\$ 35.0313	10/22/2004		A	2,000	10/22/2004	08/21/2007	Common Stock	2,000	
Stock Option (right to buy)	\$ 34.875	10/22/2004		A	2,500	10/22/2004	05/12/2008	Common Stock	2,500	\$
Stock Option (right to buy)	\$ 22.6562	10/22/2004		A	2,500	10/22/2004	04/27/2009	Common Stock	2,500	2
Stock Option (right to buy)	\$ 14.6563	10/22/2004		A	2,500	10/22/2004	04/25/2010	Common Stock	2,500	1
Stock Option (right to buy)	\$ 10.815	10/22/2004		A	2,500	10/22/2004	05/11/2011	Common Stock	2,500	\$
Stock Option (right to buy)	\$ 12.15	10/22/2004		A	9,800	10/22/2004	05/10/2012	Common Stock	9,800	
Stock Option	\$ 9.75	10/22/2004		A	9,150	10/22/2004	05/16/2013	Common Stock	9,150	\$

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(right to buy)

buy)

Stock
Option
(right to \$11.59 10/22/2004

A 7,800

10/22/2004 05/14/2014

Common Stock

7,800

Reporting Owners

Reporting Owner Name / Address

Director 10% Owner Officer Other

BENTELE RAYMOND F
2320 TODFORTH WAY X

ST. LOUIS, MO 63131

Signatures

s/Richard L.

Mack

**Signature of Reporting Person

10/26/2004

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) Received in exchange for 1,568 shares of IMC Global Inc. common stock with merger of IMC Global (the "Merger"). On the effective date of the Merger, the closing price of IMC Global's common stock was \$15.00 per share.
- (2) Received in the Merger in exchange for a stock option to acquire the same number of IMC Global common stock at the same price per share.

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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