BEUG NORMAN B

Form 4

October 26, 2004

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB Number:

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SECURITIES Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations 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).

(Print or Type Responses)

1. Name and Address of Reporting Person * BEUG NORMAN B			Issuer Name and Ticker or Trading Symbol MOSAIC CO [MOS]	5. Relationship of Reporting Person(s) to Issuer		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)		
BOX 7500			(Month/Day/Year) 10/22/2004	Director 10% Owner _X Officer (give title Other (specify below) Vice President		
	(Street)		4. If Amendment, Date Original Filed(Month/Day/Year)	6. Individual or Joint/Group Filing(Check Applicable Line)		
REGINA, A9 S0G 0G0			Theu(MonunDay/Tear)	_X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - Non-Derivative Securities Acc	quired. Disposed of, or Beneficially Owned		

(City)	(State) (A	Table Table	I - Non-Do	erivative S	ecurities A	equired, Disposed	of, or Beneficial	lly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any	3. Transactio	4. Securition(A) or Dis	ies Acquire sposed of	5. Amount of Securities Beneficially	6. Ownership Form: Direct (D) or	7. Nature of Indirect Beneficial
,,		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	(A) or	Owned Following Reported Transaction(s)	Indirect (I) (Instr. 4)	Ownership (Instr. 4)
			Code V	Amount	(D) Pric	e (Instr. 3 and 4)		
Common Stock	10/22/2004		A	12,000	D (1)	12,000	D	

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)	5. Number of orDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date (Month/Day/Year) A)		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
Stock Option (right to buy)	\$ 32.425	10/22/2004		A	746	10/22/2004	07/31/2005	Common Stock	746
Stock Option (right to buy)	\$ 32.425	10/22/2004		A	747	10/22/2004	07/31/2005	Common Stock	747
Stock Option (right to buy)	\$ 32.425	10/22/2004		A	771	10/22/2004	07/31/2005	Common Stock	771
Stock Option (right to buy)	\$ 40.875	10/22/2004		A	1,400	10/22/2004	08/14/2006	Common Stock	1,400
Stock Option (right to buy)	\$ 37.625	10/22/2004		A	4,300	10/22/2004	06/23/2007	Common Stock	4,300
Stock Option (right to buy)	\$ 30.656	10/22/2004		A	5,950	10/22/2004	06/18/2008	Common Stock	5,950
Stock Option (right to buy)	\$ 22.6562	10/22/2004		A	6,200	10/22/2004	04/27/2009	Common Stock	6,200
Stock Option (right to buy)	\$ 15.0312	10/22/2004		A	6,800	10/22/2004	02/22/2010	Common Stock	6,800
Stock Option (right to buy)	\$ 15.0312	10/22/2004		A	2,500	10/22/2004	02/22/2010	Common Stock	2,500

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Stock Option (right to buy)	\$ 13.55	10/22/2004	A	7,000	10/22/2004	02/28/2011	Common Stock	7,000
Stock Option (right to buy)	\$ 10.71	10/22/2004	A	8,750	10/22/2004	11/05/2011	Common Stock	8,750
Stock Option (right to buy)	\$ 10.76	10/22/2004	A	22,000	10/22/2004	01/02/2013	Common Stock	22,000
Stock Option (right to buy)	\$ 10.19	10/22/2004	A	40,000	10/22/2004	01/02/2014	Common Stock	40,000

Reporting Owners

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
BEUG NORMAN B								
BOX 7500			Vice President					
REGINA, A9 S0G 0G0								

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 12,000 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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