#### **BEUG NORMAN B**

Form 4

February 03, 2010

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB

3235-0287 Number: January 31,

Expires: 2005 Estimated average

**OMB APPROVAL** 

burden hours per response... 0.5

Check this box if no longer subject to Section 16. Form 4 or Form 5

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			2. Issuer Name <b>and</b> Ticker or Trading Symbol MOSAIC CO [MOS]	5. Relationship of Reporting Person(s) to Issuer  (Check all applicable)		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Chech all applicable)		
C/O THE MOSAIC COMPANY, 3033 CAMPUS DRIVE, SUITE E490		IPUS	(Month/Day/Year) 02/01/2010	Director 10% OwnerX Officer (give title Other (specify below)  Senior Vice President		
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check		
PLYMOUTH, MN 55441			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		

(City)	(State)	<sup>(Zip)</sup> Tabl	e I - Non-D	erivative S	Securi	ties Acqu	ired, Disposed of	, or Beneficiall	y Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction(A) or Da		urities Acquired Disposed of (D) 3, 4 and 5)		5. Amount of Securities Beneficially Owned Following	6. Ownership Form: Direct (D) or Indirect (I)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	(A) or (D)	Price	Reported Transaction(s) (Instr. 3 and 4)	(Instr. 4)	
Common Stock	02/01/2010		M <u>(7)</u>	13,333	A	\$ 10.19	78,736	D	
Common Stock	02/01/2010		M <u>(7)</u>	7,334	A	\$ 10.76	86,070	D	
Common Stock	02/01/2010		M <u>(7)</u>	7,229	A	\$ 15.45	93,299	D	
Common Stock	02/01/2010		S <u>(7)</u>	20,280	D	\$ 60.08	73,019	D	

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

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SEC 1474

(9-02)

 $\label{thm:convergence} \begin{tabular}{ll} Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned \\ (e.g., puts, calls, warrants, options, convertible securities) \end{tabular}$ 

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	e 3A. Deemed Execution Date, if any (Month/Day/Year)	Transaction Code S (Instr. 8) A	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	Expiration Date		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V (	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Stock Option (Right to Buy)	\$ 10.76	02/01/2010		M <u>(7)</u>	7,334	<u>(1)</u>	01/02/2013	Common Stock	7,334
Stock Option (Right to Buy)	\$ 10.19	02/01/2010		M <u>(7)</u>	13,333	<u>(1)</u>	01/02/2014	Common Stock	13,333
Stock Option (Right to Buy)	\$ 17.29					<u>(1)</u>	08/01/2015	Common Stock	9,277
Stock Option (Right to Buy)	\$ 15.45	02/01/2010		M <u>(7)</u>	7,229	<u>(1)</u>	08/04/2016	Common Stock	7,229
Stock Option (Right to Buy)	\$ 40.03					<u>(4)</u>	08/02/2017	Common Stock	19,368
Restricted Stock Units	\$ 0 (2)					08/02/2010	<u>(3)</u>	Common Stock	8,119
Stock Option (Right to Buy)	\$ 127.21					<u>(5)</u>	07/31/2018	Common Stock	4,755
· ·	\$ 0 (2)					07/31/2011	<u>(3)</u>		2,555

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Restricted Stock Units				Common Stock	
Stock Option (Right to Buy)	\$ 52.72	<u>(6)</u>	07/27/2019	Common Stock	7,813
Restricted Stock Units	\$ 0 (2)	07/27/2012	(3)	Common Stock	7,398

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

BEUG NORMAN B C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441

Senior Vice President

## **Signatures**

/s/ Richard L. Mack, Attorney-in-Fact for Norman B.
Beug
02/03/2010

\*\*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) This Stock Option is 100% exercisable.
- (2) One-for-One
- (3) Not Applicable
- (4) Grant Date 08/02/2007; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) Grant Date 07/31/2008; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (6) Grant Date 07/27/2009; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (7) The stock option exercises and sale were effected pursuant to a Rule 10b5-1 trading plan adopted by the reporting person on October 28, 2009.

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.

Reporting Owners 3