Davis Gary N. Form 4 July 23, 2012

# FORM 4

#### **OMB APPROVAL**

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

**OMB** 3235-0287 Number:

2005

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

January 31, Expires:

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** 

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 \*

Davis Gary N.			Symbol MOSAIC CO [MOS]	Issuer (Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction	(Check all applicable)			
			(Month/Day/Year)	Director 10% Owner			
ATRIA COR	RPORATE	CENTER,	07/19/2012	_X_ Officer (give title Other (specify			
SUITE E490			0,,13,,2012	below) below)			
	), 3033 C/ II	VII OD		Sr VP - Phosphate Operations			
DRIVE							
(Street)			4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
			Filed(Month/Day/Year)	Applicable Line)			

2. Issuer Name and Ticker or Trading

### PLYMOUTH, MN 55441

5 <b>8</b> (
Applicable Line)
_X_ Form filed by One Reporting Person
Form filed by More than One Reporting
Person

5. Relationship of Reporting Person(s) to

(City)	(State) (A	Z1p)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Ow							
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities	5. Amount of	6. Ownership	7. Nature o			

1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securit	ies	5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	TransactionAcquired (A) or			Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	Disposed	of (D)	Beneficially	(D) or	Beneficial
		(Month/Day/Year)	(Instr. 8)	(Instr. 3, 4	4 and 5)	Owned	Indirect (I)	Ownership
						Following	(Instr. 4)	(Instr. 4)
					(4)	Reported		
					(A)	Transaction(s)		
			Code V	Amount	or (D) Price	(Instr. 3 and 4)		
C			Code v	Amount	(D) Thee			
Common						19,420	D	
Stock						,	_	

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 Derivative Securities Acquired or Dispose (D) (Instr. 3, 4 and 5)	e (A) ed of	6. Date Exerci Expiration Da (Month/Day/Y	te	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)	\$ 15.45						<u>(1)</u>	08/04/2016	Common Stock	4,718
Stock Option (Right to Buy)	\$ 40.03						<u>(1)</u>	08/02/2017	Common Stock	10,429
Stock Option (Right to Buy)	\$ 127.21						<u>(1)</u>	07/31/2018	Common Stock	2,195
Stock Option (Right to Buy)	\$ 52.72						<u>(4)</u>	07/27/2019	Common Stock	4,507
Restricted Stock Units	\$ 0 (2)						07/27/2012	<u>(3)</u>	Common Stock	2,845
Stock Option (Right to Buy)	\$ 44.93						<u>(5)</u>	07/27/2020	Common Stock	10,130
Restricted Stock Units	\$ 0 (2)						07/27/2013	<u>(3)</u>	Common Stock	5,564
Stock Option (Right to Buy)	\$ 70.62						<u>(6)</u>	07/21/2021	Common Stock	6,460
Restricted Stock Units	\$ 0 (2)						07/21/2014	(3)	Common Stock	2,832
Stock Option	\$ 57.62	07/19/2012		A	10,198		<u>(7)</u>	07/19/2022	Common Stock	10,198

(Right to Buy)

Restricted

Stock \$ 0 (2) 07/19/2012 A 4,050 07/19/2015 (3) Common Stock 4,050

Units

# **Reporting Owners**

Reporting Owner Name / Address

Director 10% Owner Officer Other

Davis Gary N.

ATRIA CORPORATE CENTER, SUITE E490
3033 CAMPUS DRIVE
PLYMOUTH, MN 55441

Relationships

Sr VP Phosphate
Operations

# **Signatures**

Richard L. Mack, Attorney-in-Fact for Gary N.

Davis 07/23/2012

\*\*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 07/27/2009; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (5) Grant Date 07/27/2010; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (6) Grant Date 07/21/2011; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.
- (7) Grant Date 07/19/2012; option becomes exercisable in three equal installments commencing on the first anniversary of the grant date and on each anniversary thereafter.

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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