**MOSAIC CO** Form 5/A October 09, 2012

### FORM 5

#### **OMB APPROVAL**

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

**OMB** 3235-0362 Number:

no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

Check this box if

January 31, Expires: 2005 Estimated average

#### ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

burden hours per response... 1.0

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported

Form 4 Transactions 30(h) of the Investment Company Act of 1940

Reported

1. Name and Address of Reporting Person \* 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer COCHRAN PHYLLIS E Symbol MOSAIC CO [MOS] (Check all applicable) (Last) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Month/Day/Year) \_X\_ Director 10% Owner Officer (give title \_\_ Other (specify 05/31/2012 below) below) C/O THE MOSAIC COMPANY, 3033 CAMPUS

DRIVE, SUITE E490

(Street) 4. If Amendment, Date Original

> Filed(Month/Day/Year) 07/06/2012

6. Individual or Joint/Group Reporting

(check applicable line)

#### PLYMOUTH. MNÂ 55441

(State)

(Zin)

(City)

\_X\_ Form Filed by One Reporting Person Form Filed by More than One Reporting

(City)	(State)	Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned									
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)  (A) or		5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common Stock	11/20/2008	Â	L5	Amount 2.1008 (6)	(D)	Price \$ 33.88	1,002.1008	I	By Husband		
Common Stock	02/19/2009	Â	L5	1.2102 (6)	A	\$ 41.35	1,003.311	I	By Husband		
Common Stock	05/21/2009	Â	L5	0.902 (6)	A	\$ 45.53	1,004.213	I	By Husband		
Common Stock	08/20/2009	Â	L4	0.9149 (6)	A	\$ 54.39	1,005.1279	I	By Husband		

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Common Stock	11/19/2009	Â	L5	0.9409 (6)	A	\$ 49.49	1,006.0688	I	By Husband
Common Stock	02/18/2010	Â	L5	0.8271 (6)	A	\$ 54.01	1,006.8959	I	By Husband
Common Stock	05/20/2010	Â	L5	1.1005 (6)	A	\$ 45.74	1,007.9964	I	By Husband
Common Stock	08/20/2010	Â	L4	0.8932 (6)	A	\$ 56.43	1,008.8896	I	By Husband
Common Stock	11/19/2010	Â	L5	0.7343 (6)	A	\$ 68.69	1,009.6239	I	By Husband
Common Stock	02/18/2011	Â	L5	0.5887 (6)	A	\$ 85.75	1,010.2126	I	By Husband
Common Stock	05/03/2011	Â	L5	0.6937 (6)	A	\$ 72.81	1,010.9063	I	By Husband
Common Stock	08/19/2011	Â	L4	0.7665 (6)	A	\$ 65.95	1,011.6728	I	By Husband
Common Stock	11/18/2011	Â	L	0.9606 (6)	A	\$ 52.66	1,012.6334	I	By Husband
Common Stock	02/17/2012	Â	L	0.9096 (6)	A	\$ 55.66	1,013.543	I	By Husband
Common Stock	Â	Â	Â	Â	Â	Â	7,839	D	Â

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

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SEC 2270 (9-02)

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exerc Expiration Day (Month/Day/	ate	7. Title and A Underlying S (Instr. 3 and 4	ecurities	8. Pr Deri Secu (Inst
					(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock	\$ 0 (1)	Â	Â	Â	Â	(3)	(2)	Common Stock	1,712	

Units

Restricted Stock Units	\$ 0 (1)	Â	Â	Â	Â	À	Â	(4)	(2)	Common Stock	1,381
Restricted Stock Units	\$ 0 (1)	Â	Â	Â	Â	À	Â	(5)	(2)	Common Stock	2,908

### **Reporting Owners**

Reporting Owner Name / Address	Relationships							
. 3	Director	10% Owner	Officer	Other				
COCHRAN PHYLLIS E								
C/O THE MOSAIC COMPANY	î v	Â	Â	â				
3033 CAMPUS DRIVE, SUITE E490	АЛ	A	А	Α				
PLYMOUTH, MN 55441								

# **Signatures**

/s/ Richard L. Mack, Attorney in Fact for Phyllis E.
Cochran

10/09/2012

\*\*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) One-for-One
- (2) Not Applicable
- (3) The restricted stock units vested on October 8, 2010. Vested shares will be delivered to the reporting person on October 8, 2012.
- (4) The restricted stock units vested on October 7, 2011. Vested shares will be delivered to the reporting person on October 7, 2013.
- (5) The restricted stock units vest on October 6, 2012. Vested shares will be delivered to the reporting person on October 6, 2014.
- (6) These shares were originally reported reported as owned directly by the reporting person.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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