MOSAIC CO Form 4 July 26, 2012

FORM 4

OMB APPROVAL

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

OMB Number: 3235-0287

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

Expires: January 31, 2005
Estimated average

0.5

Form 4 or Form 5 obligations may continue. See Instruction

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

SECURITIES

burden hours per response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading MACKAY HAROLD H Issuer Symbol MOSAIC CO [MOS] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) X_ Director 10% Owner Other (specify Officer (give title C/O THE MOSAIC 07/24/2012 COMPANY, 3033 CAMPUS DRIVE, SUITE E490

(Street) 4. If Amendment, Date Original

(Zip)

6. Individual or Joint/Group Filing(Check

Filed(Month/Day/Year)

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

Persor

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

Applicable Line)

PLYMOUTH, MN 55441

(State)

(City)

		1 401	ble 1 - Non-Derivative Securities Acquired, Disposed of, or Deficiency Owned						
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired			5. Amount of	6. Ownership	7. Nature of
Security	(Month/Day/Year)	Execution Date, if	Transaction(A) or Disposed of (D)			ed of (D)	Securities	Form: Direct	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)		Beneficially	(D) or	Beneficial	
		(Month/Day/Year)	(Instr. 8)				Owned	Indirect (I)	Ownership
							Following	(Instr. 4)	(Instr. 4)
							Reported		
					(A)		Transaction(s)		
			C-J- V	A	or	D	(Instr. 3 and 4)		
~			Code V	Amount	(D)	Price			
Common	07/24/2012		M	7,800	Δ	\$	19,716	D	
Stock	0112412012		171	7,000	Λ	11.59	17,710	D	
Common	07/24/2012		S	4,000	D	\$	15 716	D	
Stock	0112712012		S	₹,000	ט	56.32	15,716	D	

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474

(9-02)

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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. Transacti Code (Instr. 8)	Secur Acqu (A) o Dispo (D)	rities nired or osed of 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		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)	\$ 11.59	07/24/2012		D		7,800	10/22/2004	05/14/2014	Common Stock	7,800
Restricted Stock Units	\$ 0 (1)						(3)	(2)	Common Stock	1,712
Restricted Stock Units	\$ 0 (1)						<u>(4)</u>	(2)	Common Stock	1,381
Restricted Stock Units	\$ 0 (1)						(5)	(2)	Common Stock	2,908

Reporting Owners

Reporting Owner Name / Address	Relationships					
· · · · · · · · · · · · · · · · · · ·	Director	10% Owner	Officer	Other		
MACKAY HAROLD H C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441	X					

Signatures

/s/ Richard L. Mack, Attorney-in-Fact for Harold H.

MacKay 07/26/2012

**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).

Reporting Owners 2

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- (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.

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.