

MACK RICHARD L  
 Form 4  
 July 31, 2012

**FORM 4**

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

OMB APPROVAL

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

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

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
 MACK RICHARD L

(Last) (First) (Middle)

C/O THE MOSAIC  
 COMPANY, 3033 CAMPUS  
 DRIVE, SUITE E490

(Street)

PLYMOUTH, MN 55441

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
 MOSAIC CO [MOS]

3. Date of Earliest Transaction  
 (Month/Day/Year)  
 07/27/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

\_\_\_ Director \_\_\_ 10% Owner  
 Officer (give title below) \_\_\_ Other (specify below)  
 EVP, General Counsel & Sec.

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 \_\_\_ Form filed by More than One Reporting Person

**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)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Ownership (Instr. 4)	
				(A) or (D)	Price			
				Code	V	Amount		
Common Stock	07/27/2012		M	9,674	A	\$ 0	49,286	D
Common Stock	07/27/2012		F <sup>(7)</sup>	3,164	D	\$ 58.73	46,122	D

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

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 (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. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	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)	\$ 17.29					(3)	08/01/2015	Common Stock	36,382
Stock Option (right to buy)	\$ 15.45					(3)	08/04/2016	Common Stock	47,319
Stock Option (Right to Buy)	\$ 40.03					(3)	08/02/2017	Common Stock	19,368
Stock Option (Right to Buy)	\$ 127.21					(3)	07/31/2018	Common Stock	5,486
Stock Option (Right to Buy)	\$ 52.72					(3)	07/27/2019	Common Stock	10,216
Restricted Stock Units	\$ 0 <sup>(1)</sup>	07/27/2012		M	9,674	07/27/2012	<sup>(2)</sup>	Common Stock	9,674
Stock Option (Right to Buy)	\$ 44.93					(4)	07/27/2020	Common Stock	15,194
Restricted Stock Units	\$ 0 <sup>(1)</sup>					07/27/2013	<sup>(2)</sup>	Common Stock	8,346
Stock Option	\$ 70.62					(5)	07/21/2021	Common Stock	10,767

