

Kaplan Mark Eric  
Form 3  
August 10, 2011

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

OMB Number: 3235-0104  
Expires: January 31, 2005  
Estimated average burden hours per response... 0.5

**INITIAL STATEMENT OF 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 *		2. Date of Event Requiring Statement	3. Issuer Name and Ticker or Trading Symbol	
Â Kaplan Mark Eric		(Month/Day/Year)	MOSAIC CO [MOS]	
(Last)	(First)	(Middle)	08/01/2011	
ATRIA CORPORATE CENTER, SUITE E490,Â 3033 CAMPUS DRIVE			4. Relationship of Reporting Person(s) to Issuer	5. If Amendment, Date Original Filed(Month/Day/Year)
(Street)			(Check all applicable)	
PLYMOUTH,Â MNÂ 55441			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner	6. Individual or Joint/Group Filing(Check Applicable Line)
(City)	(State)	(Zip)	<input checked="" type="checkbox"/> Officer <input type="checkbox"/> Other	<input checked="" type="checkbox"/> Form filed by One Reporting Person
			(give title below) (specify below)	<input type="checkbox"/> Form filed by More than One Reporting Person
			VP - Public Affairs	

**Table I - Non-Derivative Securities Beneficially Owned**

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Common Stock	1,213	D	Â

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

SEC 1473 (7-02)

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**Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

1. Title of Derivative Security (Instr. 4)	2. Date Exercisable and Expiration Date (Month/Day/Year)	3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)	4. Conversion or Exercise Price of Derivative	5. Ownership Form of Derivative Security:	6. Nature of Indirect Beneficial Ownership (Instr. 5)
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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	Â (1)	07/31/2018	Common Stock	1,646	\$ 127.21	D	Â
Stock Option (Right to Buy)	Â (2)	07/27/2019	Common Stock	3,125	\$ 52.72	D	Â
Restricted Stock Units	07/27/2012	Â (3)	Common Stock	1,062	\$ 0 (4)	D	Â
Stock Option (Right to Buy)	Â (5)	07/27/2020	Common Stock	3,545	\$ 44.93	D	Â
Restricted Stock Units	07/27/2013	Â (3)	Common Stock	1,947	\$ 0 (4)	D	Â
Stock Option (Right to Buy)	Â (6)	07/21/2021	Common Stock	3,768	\$ 70.62	D	Â
Restricted Stock Units	07/21/2014	Â (3)	Common Stock	1,652	\$ (4)	D	Â

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Kaplan Mark Eric ATRIA CORPORATE CENTER, SUITE E490 3033 CAMPUS DRIVE PLYMOUTH, MN 55441	Â	Â	Â VP - Public Affairs	Â

## Signatures

/s/ Richard L. Mack, Attorney-in-fact for Mark E. Kaplan

08/10/2011

\*\*Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 5(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) 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.
- (3) Not Applicable
- (4) One-for-One
- (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.

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Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure.  
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