Kaplan Mark Eric
Form 3
August 10, 2011

FORM 3

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

OMB APPROVAL

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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 *
Â Kaplan Mark Eric
(Last) (First) (Middle)

ATRIA CORPORATE CENTER, SUITE E490,Â 3033 CAMPUS DRIVE
(Street)

PLYMOUTH,Â MNÂ 55441
(City) (State) (Zip)

2. Date of Event Requiring Statement (Month/Day/Year)
08/01/2011

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

4. Relationship of Reporting Person(s) to Issuer
(Check all applicable)

_____ Director _____ 10% Owner
__X__ Officer _____ Other
(give title below) (specify below)
VP - Public Affairs

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

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

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)

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.

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)

	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,Â MNÂ 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.

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.

Explanation of Responses: