Pires Luciano Siani Form 4 March 12, 2018

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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

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

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * Pires Luciano Siani

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to

OMB APPROVAL

3235-0287

January 31,

2005

0.5

OMB

Number:

Expires:

response...

Estimated average

burden hours per

Issuer

(Last)

(First) (Middle) MOSAIC CO [MOS] 3. Date of Earliest Transaction

(Month/Day/Year) 03/08/2018

X_ Director 10% Owner

(Check all applicable)

Officer (give title below)

C/O THE MOSAIC

COMPANY, 3033 CAMPUS DRIVE, SUITE E490

> (Street) 4. 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

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

PLYMOUTH, MN 55441

Security

(Instr. 3)

(City) (State) (Zip) 1. Title of 2. Transaction Date 2A. Deemed

3. 4. Securities (Month/Day/Year) Execution Date, if TransactionAcquired (A) or Code Disposed of (D) (Instr. 3, 4 and 5) (Month/Day/Year) (Instr. 8)

5. Amount of 6. Ownership Securities Form: Direct Beneficially Owned (I) Following

Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

Other (specify

(A) or

Reported Transaction(s) (Instr. 3 and 4)

Code V Amount (D) Price

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)

7. Nature of

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

1. Title of Derivative Conversion 3. Transaction Date 3A. Deemed (Month/Day/Year) Execution Date, if Transaction of Derivative Expiration Date

5. Number

6. Date Exercisable and

7. Title and Amount of 8. I Underlying Securities De

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	(Instr. 8) Acqu (A) or Dispo		or posed of tr. 3, 4,	(Month/Day/Year)		(Instr. 3 and 4)		S (I
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Restricted Stock Units	\$ 0 (1)	03/08/2018		J <u>(2)</u>		1,885	01/08/2021	(3)	Common Stock	1,885	

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Pires Luciano Siani C/O THE MOSAIC COMPANY 3033 CAMPUS DRIVE, SUITE E490 PLYMOUTH, MN 55441

X

Signatures

/s/ Mark J. Isaacson, Attorney-in-Fact for Luciano Siani
Pires

03/12/2018

(In

**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
- At the request of the reporting person, because direct ownership of the restricted stock unit would be in violation of reporting person's employer's company policy, issuer has rescinded the grant of restricted stock units to the reporting person.
- (3) Not Applicable

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.

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