Pires Luciano Siani Form 3 January 10, 2018

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, response... 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 *

À Pires Luciano Siani

(Last)

(First)

(Middle)

Statement

(Month/Day/Year)

01/08/2018

2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol

MOSAIC CO [MOS]

4. Relationship of Reporting Person(s) to Issuer

5. If Amendment, Date Original

Filed(Month/Day/Year)

C/O THE MOSAIC COMPANY, Â 3033 CAMPUS

DRIVE. SUITE E490

(Street)

(Check all applicable)

10% Owner __X__ Director Officer _ Other (give title below) (specify below)

6. Individual or Joint/Group Filing(Check Applicable Line)

X Form filed by One Reporting

Person

Form filed by More than One Reporting Person

PLYMOUTH. MNÂ 55441

(City) (State) (Zip)

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security

(Instr. 4)

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership Form:

(I)

4. Nature of Indirect Beneficial Ownership

(Instr. 5) Direct (D) or Indirect

(Instr. 5)

Common Stock

0

Â 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 1473 (7-02)

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

1. Title of Derivative Security (Instr. 4)

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)

4. 5. Conversion or Exercise Form of

6. Nature of Indirect Ownership Beneficial Ownership (Instr. 5)

Price of Derivative Derivative Security:

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Date Expiration Title Exercisable Date

Amount or Security Number of Shares Direct (D) or Indirect (I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Address

Relationships

Director 10% Owner Officer

Director 10% Owner Officer Other

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

X Â Â Â

Signatures

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

01/09/2018

**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).

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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