Vale S.A. Form 3 January 18, 2018

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

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

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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 *

Vale S.A.

(Last)

(First) (Middle)

Statement

(Month/Day/Year)

01/08/2018

C/O VALE S.A.,, PRAIA DE

BOTAFOGO, 186, 20TH

FLOOR

(Street)

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

MOSAIC CO [MOS]

4. Relationship of Reporting Person(s) to Issuer

Filed(Month/Day/Year)

5. If Amendment, Date Original

(Check all applicable)

10% Owner __X__ Director Officer Other

(give title below) (specify below)

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

Form filed by One Reporting

Person

X Form filed by More than One

Reporting Person

BOTAFOGO, RIO DE JANEIRO, D5Â 22250-145

(State)

(City)

(Instr. 4)

1. Title of Security

(Zip)

2. Amount of Securities Beneficially Owned

(Instr. 4)

3. Ownership Form:

Table I - Non-Derivative Securities Beneficially Owned

4. Nature of Indirect Beneficial

Ownership (Instr. 5)

Direct (D) or Indirect (I)

(Instr. 5)

Common Stock 34,176,574 Ι See Footnotes (1) (2)

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

Expiration Date (Month/Day/Year)

2. Date Exercisable and 3. Title and Amount of Securities Underlying Derivative Security

4. 5. Ownership Conversion or Exercise Form of

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

Price of Derivative Derivative

(Instr. 4)

(Instr. 4)

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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	Other
Vale S.A. C/O VALE S.A., PRAIA DE BOTAFOGO, 186, 20TH FLOOR BOTAFOGO, RIO DE JANEIRO, D5 22250-145	ÂX	Â	Â	Â
Vale Fertilizer Netherlands B.V. HERIKERBERGWEG 238 LUNA ARENA AMSTERDAM, P7 1101	ÂX	Â	Â	Â
Signatures				
/s/ Andre Figueiredo, Vale S.A. (5)	01/18/2018			
**Signature of Reporting Person	Date			
/s/ Andre Figueiredo, Vale Fertilizer Netherlands	01/18/2018			

Explanation of Responses:

**Signature of Reporting Person

- * 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).
- Vale S.A. ("Vale") and Vale Fertilizer Netherlands B.V., an indirect wholly owned subsidiary of Vale (together with Vale, the

 "Reporting Persons"), hold an aggregate of 34,176,574 Common Shares (the "Shares") of The Mosaic Company (the "Issuer"). Vale is the holder of record of an aggregate of 29,854,571 Shares and Vale Fertilizer Netherlands B.V. is the holder of record of an aggregate of 4,322,003 Shares.

Date

Pursuant to Rule 16a-1(a)(4) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), this filing shall not be deemed an admission that the Reporting Persons are, for purposes of Section 16 of the Exchange Act or otherwise, the beneficial owners of any equity securities in excess of their respective pecuniary interests.

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Remarks:

B.V. (5)

- (3) Solely for purposes of Section 16 of the Exchange Act, each of the Reporting Persons may b
- (4) The Reporting Persons are jointly filing this Form 3 pursuant to Rule 16a-3(j) under the Excha
- (5) Andre Figueiredo is signing on behalf of both Vale S.A. and Vale Fertilizer Netherlands B.V. 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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