MOSAIC CO Form 11-K June 29, 2018

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

FORM 11-K

ý ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the fiscal year ended December 31, 2017 OR

"TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934 For the transition period from to Commission file number 001-32327

A.Full title of the plan and the address of the plan, if different from that of the issuer named below: MOSAIC INVESTMENT PLAN

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:
The Mosaic Company
Atria Corporate Center - Suite E490
3033 Campus Drive
Plymouth, MN 55441
763-577-2700

MOSAIC INVESTMENT PLAN Plan No. 004 Financial Statements and Supplemental Schedule December 31, 2017 and 2016 (With Report of Independent Registered Public Accounting Firm Thereon)

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To the Plan Participants and Plan Administrator Mosaic Investment Plan: