

MONSANTO CO /NEW/  
Form S-8 POS  
June 12, 2015

As Filed with the Securities and Exchange Commission on June 12, 2015

Registration No. 333-51316

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

POST-EFFECTIVE AMENDMENT NO. 2  
TO  
FORM S-8  
REGISTRATION STATEMENT  
UNDER  
THE SECURITIES ACT OF 1933

MONSANTO COMPANY  
(Exact name of registrant as specified in its charter)

Delaware  
(State or other jurisdiction  
of incorporation or organization)

43-1878297  
(IRS Employer Identification No.)

800 North Lindbergh Boulevard,  
St. Louis, Missouri 63167  
(Address of Principal Executive Offices) (Zip Code)

MONSANTO COMPANY LONG-TERM INCENTIVE PLAN  
(FORMERLY KNOWN AS THE MONSANTO 2000 MANAGEMENT INCENTIVE PLAN)  
MONSANTO COMPANY NON-EMPLOYEE DIRECTOR  
EQUITY INCENTIVE COMPENSATION PLAN  
MONSANTO COMPANY BROAD-BASED STOCK OPTION PLAN  
MONSANTO COMPANY EMPLOYEE STOCK PURCHASE PLAN

(Full title of the plan)  
David F. Snively, Esq.  
Executive Vice President, Secretary and General Counsel  
Monsanto Company  
800 North Lindbergh Boulevard  
St. Louis, Missouri 63167  
(Name and address of agent for service)

(314) 694-1000  
(Telephone number, including area code, of agent for service)

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>

(Do not check if a smaller reporting company)

EXPLANATORY NOTE / REMOVAL OF SECURITIES FROM REGISTRATION

The offering of securities pursuant to the Monsanto Company Employee Stock Purchase Plan (the “Plan”), as registered on registration statement number 333-51316, as amended (the “Registration Statement”) has terminated. Pursuant to the undertakings contained in Part II of the Registration Statement, the Registrant is removing from registration, by means of a post-effective amendment to the Registration Statement (the “Post-Effective Amendment”), 2,662,170 shares of Common Stock, par value \$0.01 per share (“Common Stock”), registered under the Registration Statement (as adjusted by reason of any stock dividend, stock split, recapitalization or other similar transaction effected without the Registrant’s receipt of consideration) which remained unsold at the termination of the Plan’s offering. This Post-Effective Amendment is being filed solely to deregister any remaining unsold shares of Common Stock issuable pursuant to the Registration Statement with respect to the Plan. The offerings of securities pursuant to the Monsanto Company Non-Employee Director Equity Incentive Compensation Plan, the Monsanto Company Long-Term Incentive Plan (formerly known as the Monsanto 2000 Management Incentive Plan) and the Monsanto Company Broad-Based Stock Option Plan are still ongoing and, to the extent shares of Common Stock covered by the Registration Statement are issuable with respect to these other plans, the registration of the offer and sale of such shares is not affected by this Post-Effective Amendment.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, as amended, and Rule 478, the Registrant has duly caused this Post-Effective Amendment to the Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the city of Creve Coeur, state of Missouri, on this 12th day of June, 2015.

MONSANTO COMPANY

(Registrant)

By: /s/ David F. Snively  
Name: David F. Snively  
Title: Executive Vice President,  
Secretary and General Counsel