

EXHIBIT INDEX

These Exhibits are numbered in accordance with the Exhibit Table of Item 601 of Regulation S-K.

Exhibit No.	Description	Exhibit No.	Description
2	1. Separation Agreement, dated as of Sept. 1, 2000, between the company and Pharmacia (incorporated by reference to Exhibit 2.1 of Amendment No. 2 to Registration Statement on Form S-1, filed Sept. 22, 2000, File No. 333-36956).*	5.	Corporate Agreement, dated Sept. 1, 2000, between the company and Pharmacia (incorporated by reference to Exhibit 10.10 of Amendment No. 2 to Registration Statement on Form S-1, filed Sept. 22, 2000, File No. 333-36956).
	2. First Amendment to Separation Agreement, dated July 1, 2002, between Pharmacia and the company (incorporated by reference to Exhibit 99.2 of Form 8-K, filed July 30, 2002, File No. 1-16167).*	6.	Agreement among Solutia, Pharmacia and the company, relating to settlement of certain litigation (incorporated by reference to Exhibit 10.25 of Form 10-K for the transition period ended Aug. 31, 2003, File No. 1-16167).
	3. Agreement and Plan of Merger, dated September 14, 2016, by and among Bayer Aktiengesellschaft, KWA Investment Co. and Monsanto Company (incorporated by reference to Exhibit 2.1 of Form 8-K, filed September 20, 2016, File No. 1-16167). * **	7.	Global Settlement Agreement, executed Sept. 9, 2003, in the U.S. District Court for the Northern District of Alabama, and in the Circuit Court of Etowah County, Alabama (incorporated by reference to Exhibit 10.25 of Form 10-K for the transition period ended Aug. 31, 2003, File No. 1-16167).
3	1. Restated Certificate of Incorporation (incorporated by reference to Exhibit 3.1 of Form 10-Q, filed June 27, 2013, File No. 1-16167).	8.	Solutia's Fifth Amended Joint Plan of Reorganization Pursuant to Chapter 11 of the Bankruptcy Code (As Modified) (incorporated by reference to Exhibit 2.1 of Solutia's Form 8-K filed Dec. 5, 2007, SEC File No. 001-13255).
	2. Monsanto Company Amended and Restated Bylaws, as amended effective August 12, 2016 (incorporated by reference to Exhibit 3.2(ii) of Form 8-K, filed August 18, 2016, File No. 1-16167).	9.	Amended and Restated Settlement Agreement dated February 28, 2008, by and among Solutia Inc., Monsanto Company and SFC LLC (incorporated by reference to Exhibit 10.1 of Solutia's Form 8-K filed March 5, 2008, SEC File No. 001-13255).
4	1. Indenture, dated as of Aug. 1, 2002, between the company and The Bank of New York Trust Company, N.A., as Trustee (incorporated by reference to Exhibit 4.2 of Form 8-K, filed Aug. 31, 2005, File No. 1-16167).	10.	First Amended and Restated Retiree Settlement Agreement dated as of July 10, 2007, among Solutia Inc., the company and the claimants set forth therein (incorporated by reference to Exhibit 10.3 of Solutia's Form 8-K filed March 5, 2008, SEC File No. 001-13255).
	2. Form of Registration Rights Agreement, dated Aug. 25, 2005, relating to 5½% Senior Notes due 2025 of the company (incorporated by reference to Exhibit 4.3 of Form 8-K, filed Aug. 31, 2005, File No. 1-16167).	11.	Letter Agreement between the company and Pharmacia, effective Aug. 13, 2002 (incorporated by reference to Exhibit 10.6 of Form 10-Q for the period ended June 30, 2002, File No. 1-16167).
	3. Indenture, dated as of July 1, 2014, between Monsanto Company and The Bank of New York Mellon Trust Company, N.A., as Trustee (incorporated by reference to Exhibit 4.1 of Form 8-K, filed July 1, 2014, File No. 1-16167).	12.	Five-Year Credit Agreement dated March 27, 2015 (incorporated by reference to Exhibit 10.1 of Form 8-K, filed on April 2, 2015, File No. 1-16167).
9	Omitted	12.1.	Master Confirmation-Uncollared Share Repurchase dated October 9, 2015 between Monsanto Company and Citibank, N.A. (incorporated by reference to Exhibit 10.1 of Form 8-K, filed Oct. 9, 2015, File No. 1-16167).
10	1. Tax Sharing Agreement, dated July 19, 2002, between the company and Pharmacia (incorporated by reference to Exhibit 10.4 of Form 10-Q for the period ended June 30, 2002, File No. 1-16167).	12.2.	Master Confirmation-Uncollared Share Repurchase dated October 9, 2015 between Monsanto Company and JPMorgan Chase Bank, N.A. (incorporated by reference to Exhibit 10.2 of Form 8-K, filed Oct. 9, 2015, File No. 1-16167).
	2. Employee Benefits and Compensation Allocation Agreement between Pharmacia and the company, dated as of Sept. 1, 2000 (incorporated by reference to Exhibit 10.7 of Amendment No. 2 to Registration Statement on Form S-1, filed Sept. 22, 2000, File No. 333-36956).	13.	The Monsanto Company Non-Employee Director Equity Incentive Compensation Plan, as amended and restated, effective September 1, 2016.†
	2.1. Amendment to Employee Benefits and Compensation Allocation Agreement between Pharmacia and the company, dated Sept. 1, 2000 (incorporated by reference to Exhibit 2.1 of Form 10-K for the period ended Dec. 31, 2001, File No. 1-16167).	14.	Monsanto Company Long-Term Incentive Plan, as amended and restated, effective April 24, 2003 (formerly known as Monsanto 2000 Management Incentive Plan) (incorporated by reference to Appendix C to Notice of Annual Meeting and Proxy Statement dated March 13, 2003, File No. 1-16167).†
	3. Intellectual Property Transfer Agreement, dated Sept. 1, 2000, between the company and Pharmacia (incorporated by reference to Exhibit 10.8 of Amendment No. 2 to Registration Statement on Form S-1, filed Sept. 22, 2000, File No. 333-36956).	14.1.	First Amendment, effective Jan. 29, 2004, to the Monsanto Company Long-Term Incentive Plan, as amended and restated (incorporated by reference to Exhibit 10.16.1 of Form 10-Q for the period ended Feb. 29, 2004, File No. 1-16167).†
	4. Services Agreement, dated Sept. 1, 2000, between the company and Pharmacia (incorporated by reference to Exhibit 10.9 of Amendment No. 2 to Registration Statement on Form S-1, filed Sept. 22, 2000, File No. 333-36956).		