MONSANTO CO /NEW/ Form 11-K June 14, 2007

## UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington D.C. 20549

FORM 11-K

(Mark One)

[ X ] ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

\_\_\_\_\_

For the fiscal year ended December 31, 2006  $% \left( {{{\rm{D}}_{{\rm{B}}}} \right)$ 

OR

[ ] TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from \_\_\_\_\_to \_\_\_\_

\_\_\_\_\_

Commission file number 001-16167

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

MONSANTO SAVINGS AND INVESTMENT PLAN

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

MONSANTO COMPANY 800 North Lindbergh Blvd. St. Louis, MO 63167

MONSANTO SAVINGS AND INVESTMENT PLAN FINANCIAL STATEMENTS AND SUPPLEMENTAL SCHEDULES FOR THE PLAN YEAR ENDED DEC. 31, 2006, AND 2005

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

MONSANTO SAVINGS AND INVESTMENT PLAN

FINANCIAL STATEMENTS AND SUPPLEMENTAL SCHEDULES

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Supplemental Schedules:

- 1. Form 5500, Schedule H, Part IV, Line 4i Schedule of Assets (Held at End of Year) as of Dec. 31, 2006
- Form 5500, Schedule H, Part IV, Line 4i Schedule of Assets (Acquired and Disposed of Within Year) for the Plan Year Ended Dec. 31, 2006
- 3. Form 5500, Schedule H, Part IV, Line 4j Schedule of Reportable Transactions for the Plan Year Ended Dec. 31, 2006

Signature

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