MONSANTO CO /NEW	1	
Form 8-K		
August 11, 2006 As Filed with the Securities and	d Exchange Commission on August 1	1, 2006
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UNITED STATES		
SECURITIES AND EXCHA	NGE COMMISSION	
Washington, D.C. 20549		
Donald a vi		
FORM 8-K		
CURRENT REPORT		
PURSUANT TO SECTION 1	3 OR 15(d) OF THE	
SECURITIES EXCHANGE	ACT OF 1934	
Date of Report (Date of earliest	t event reported): Aug. 11, 2006 (Aug	g. 8, 2006)
MONSANTO COMPAN	NY	
(Exact Name of Registrant as S	pecified in its Charter)	
Delaware (State of Incorporation)	001-16167 (Commission File Number)	43-1878297 (IRS Employer Identification No.)
(State of incorporation)	(Commission Pile Number)	(IKS Employer Identification 190.)

800 North Lindbergh Boulevard

St. Louis, Missouri 63167

(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: (314) 694-1000

No	t Applicable
(Fo	rmer Name or Former Address, If Changed Since Last Report)
	eck the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligations under any of the following visions (see General Instruction A.2. below):
[]	Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
[]	Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
[]	Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d2(b))
[]	Pre-commencement communications pursuant to Rule 13a-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

ITEM 1.01 ENTRY INTO A MATERIAL DEFINITIVE AGREEMENT.

On Aug. 8, 2006, Monsanto Company s People and Compensation Committee approved the Monsanto Company Fiscal Year 2007 Annual Incentive Plan (the 2007 Plan). The 2007 Plan covers the performance period September 1, 2006 through August 31, 2007. Eligibility includes regular employees who do not participate in a local sales or manufacturing annual incentive plan. The 2007 Plan also excludes from eligibility all employees (Monsanto or Seminis) employed in the U.S. who are members of a collective bargaining unit with whom incentive compensation was the subject of good faith bargaining. Funding of the 2007 Plan is determined by the Company s attainment of certain financial goals related to sales growth (10% weighting), earnings per share (50% weighting) and cash flow (40% weighting) and the determination by the People and Compensation Committee that such attainment satisfies certain subjective performance criteria as determined by the Committee. Various performance levels are approved by the People and Compensation Committee with a payout level (as a percentage of target annual incentive opportunity) associated with each level of performance as follows: (i) threshold, 35%, (ii) budget, 100%, and (iii) outstanding, 200%. The incentive pool will be funded at no less than 20% of budget level funding in the event the Company pays dividends with respect to each of its financial quarters ending during the performance period.

A summary of the 2007 Plan can be found in Exhibit 10 filed herewith and is incorporated herein by reference.

ITEM 9.01 FINANCIAL STATEMENTS AND EXHIBITS

(c) Exhibits. The following document is filed as an exhibit to this report:

Exhibit 10 Fiscal Year 2007 Annual Incentive Plan Summary, as approved by the People and Compensation Committee of the Board of Directors on August 8, 2006.

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SIGNATURE
Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the indersigned hereunto duly authorized.
Oated: Aug. 11, 2006
MONSANTO COMPANY
By:/s/ Christopher A. Martin Name: Christopher A. Martin Title: Assistant Secretary
Title. Assistant Secretary

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EXHIBIT INDEX

Exhibit Number

Description of Exhibit

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Fiscal Year 2007 Annual Incentive Plan Summary, as approved by the People and Compensation Committee of the Board of Directors on August 8, 2006.

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