MONSANTO CO /NEW/

Form 3

September 08, 2006

FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

SECURITIES

30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting 2. Date of Event Requiring 3. Issuer Name and Ticker or Trading Symbol Person * Statement MONSANTO CO /NEW/ [MON] Snively David F (Month/Day/Year) 09/01/2006 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 800 NORTH LINDBERGH (Check all applicable) **BOULEVARD** (Street) 6. Individual or Joint/Group 10% Owner Director _X__ Officer Other Filing(Check Applicable Line) (give title below) (specify below) _X_ Form filed by One Reporting Sr. V.P., Secy & Gen. Counsel Person ST. LOUIS, MOÂ 63167 Form filed by More than One Reporting Person (City) (State) (Zip) Table I - Non-Derivative Securities Beneficially Owned 4. Nature of Indirect Beneficial 1. Title of Security 2. Amount of Securities Beneficially Owned Ownership Ownership (Instr. 4) (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Â Common Stock D 3,000 Common Stock 5,970 I By 401(k) Plan Reminder: Report on a separate line for each class of securities beneficially SEC 1473 (7-02) owned directly or indirectly. Persons who respond to the collection of

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

information contained in this form are not required to respond unless the form displays a

currently valid OMB control number.

1. Title of Derivative	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
Security	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial
(Instr. 4)	(Month/Day/Year)	Derivative Security	or Exercise	Form of	Ownership
		(Instr. 4)	Price of	Derivative	(Instr. 5)

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Derivative Security	Security: Direct (D) or Indirect (I) (Instr. 5)	
Option (Right to Buy)	03/15/2005(1)	02/26/2014	Common Stock	5,486	\$ 16.1925	D	Â
Option (Right to Buy)	11/15/2005(2)	10/28/2014	Common Stock	24,860	\$ 20.805	D	Â
Option (Right to Buy)	11/15/2006(3)	10/27/2015	Common Stock	21,660	\$ 29.2175	D	Â
Phantom Share Units	(4)	(4)	Common Stock	2,951	\$ <u>(5)</u>	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director	10% Owner	Officer	Other	
Snively David F 800 NORTH LINDBERGH BOULEVARD ST. LOUIS, MO 63167	Â	Â	Sr. V.P., Secy & Gen. Counsel	Â	

Signatures

Christopher A. Martin, Attorney-in-Fact 09/08/2006

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 5(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- One-third of the options became exercisable on March 15, 2005, one-third of the options became exercisable on March 15, 2006 and one-third of the options become exercisable on March 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
- One third of the options became exercisable on November 15, 2005, one-third of the options become exercisable on November 15, 2006 and one-third of the options become exercisable on November 15, 2007, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
- One third of the options become exercisable on November 15, 2006, one-third of the options become exercisable on November 15, 2007 and one-third of the options become exercisable on November 15, 2008, subject to the terms and conditions of the Monsanto Company Long Term Incentive Plan.
- (4) The reported phantom shares units were acquired under Monsanto Company's excess benefit plan and are to be settled upon the reporting person's retirement or other termination of service.
- (**5**) 1 for 1

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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