Snively David F Form 4 September 02, 2010

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

**OMB APPROVAL OMB** 

3235-0287 Number: January 31, Expires:

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response... 0.5

5. Relationship of Reporting Person(s) to

Check this box if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue. See Instruction

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 30(h) of the Investment Company Act of 1940

2. Issuer Name and Ticker or Trading

1(b).

Common

Common

Common

Stock

Stock

Stock

03/10/2010

08/31/2010

(Print or Type Responses)

1. Name and Address of Reporting Person \*

Snively Dav	vid F	Symbol MONS	Symbol MONSANTO CO /NEW/ [MON]				Issuer			
(Last)	(First) (M	(Month/I	•				Cnec Director Officer (give		Owner er (specify	
OUU IN. LIIN	DBEKGII BE VD	. 08/31/2	.010			belo	ow)	below) cy & Gen. Cour		
	(Street)	4. If Am	4. If Amendment, Date Original				6. Individual or Joint/Group Filing(Check			
ST. LOUIS	, MO 63167	Filed(Mo	Filed(Month/Day/Year)				Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			
(City)	(State)	(Zip) Tab	le I - Non-Der	rivative So	ecurities	Acquire	d, Disposed of	, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	Transaction(Code (Instr. 8)	(Instr. 3, 4	posed of and 5)  (A) or	(D) See Be Ov Fo Re Tra	Amount of curities eneficially wned ollowing eported ansaction(s) astr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	03/08/2010		G V 3	300	D \$0	) 12	2,182	D		

V 150

1,427

(1)

G

F

\$0

52.65

12,032

10,605

18,766

D

D

Ι

D

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

By 401(k)

Plan

#### Edgar Filing: Snively David F - Form 4

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SEC 1474 (9-02)

> 9. Nu Deriv Secur Bene Own Follo Repo Trans (Instr

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

1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	isable and	7. Titl	le and	8. Price of	
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transacti	orNumber	Expiration Da	ate	Amou	ınt of	Derivative	]
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	rlying	Security	
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative			Secur	ities	(Instr. 5)	1
	Derivative			Securities Acquired				(Instr.	3 and 4)		
	Security										J
					(A) or						J
					Disposed						
					of (D)						
					(Instr. 3,						
					4, and 5)						
									Amount		
						ъ.	E		or		
							Expiration Date	Title	Number		
									of		
				Code V	(A) (D)				Shares		

## **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Snively David F

800 N. LINDBERGH BLVD. EVP, Secy & Gen. Counsel

ST. LOUIS, MO 63167

# **Signatures**

Jennifer L. Woods, Attorney-in-Fact 09/02/2010

\*\*Signature of Reporting Person Date

## **Explanation of Responses:**

- \* If the form is filed by more than one reporting person, see Instruction 4(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).
- (1) On August 31, 2010, 4,600 restricted stock units became fully vested for which taxes became due and payable. 1,427 restricted stock units were used for the payment of these taxes.

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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