#### MONSANTO CO /NEW/

Form 4

September 02, 2011

## FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

**SECURITIES** 

OMB 3235-0287

**OMB APPROVAL** 

Number:

Expires:

January 31, 2005

0.5

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if no longer subject to Section 16. Form 4 or Form 5

obligations

Check this box

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

may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

Stock

(Print or Type Responses)

1. Name and Address of Reporting Person * PARFET WILLIAM U			2. Issuer Name and Ticker or Trading Symbol MONSANTO CO /NEW/ [MON]					5. Relationship of Reporting Person(s) to Issuer			
(Last) 800 N. LINI	(First) (	Middle)	3. Date of Earliest Transaction (Month/Day/Year) 09/01/2011			_X_ Director Officer (give below)		Owner or (specify			
ST. LOUIS,	(Street) MO 63167			ndment, Da th/Day/Year	_	I		6. Individual or Jo Applicable Line) _X_ Form filed by 0 Form filed by N Person	•	rson	
(City)	(State)	(Zip)	Table	e I - Non-D	erivative (	Secur	ities Acq	uired, Disposed of	f, or Beneficial	ly Owned	
1.Title of Security (Instr. 3)	2. Transaction Dat (Month/Day/Year)	Execution any		3. Transactic Code (Instr. 8)	(Instr. 3,	spose 4 and (A) or	d of (D) 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)		
Common Stock	09/01/2011			Code V A	Amount 1,922 (1)	(D)	Price \$ 68.93	359,731	D		
Common								60,402	I	By Trust	

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exer	cisable and	7. Title	and	8. Price of	9. Nu
Derivative	Conversion	(Month/Day/Year)	Execution Date, if	Transaction	orNumber	Expiration D	ate	Amour	nt of	Derivative	Deriv
Security	or Exercise		any	Code	of	(Month/Day/	Year)	Underl	ying	Security	Secui
(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative	e		Securit	ies	(Instr. 5)	Bene
	Derivative				Securities			(Instr. :	3 and 4)		Owne
	Security				Acquired						Follo
	·				(A) or						Repo
					Disposed						Trans
					of (D)						(Instr
					(Instr. 3,						
					4, and 5)						
									A		
									Amount		
						Date	Expiration		or		
						Exercisable	Date		Number		
				~					of		
				Code V	(A) (D)				Shares		

# **Reporting Owners**

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
PARFET WILLIAM U							
800 N. LINDBERGH BLVD.	X						
ST. LOUIS, MO 63167							

# **Signatures**

/s/ Jennifer L. Woods, Attorney-in-Fact 09/02/2011

\*\*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).

Represents shares of deferred common stock deliverable upon termination as a director under the Monsanto Company Non-Employee

Director Equity Incentive Compensation Plan. Shares of deferred stock are credited in the form of hypothetical shares to a stock unit account in installments on the last day of each plan month during the director's term and for the payment of dividends. Shares of deferred stock not credited to the stock unit account because of termination as a director before the end of the director's term are forfeited.

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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