MORLEY CHERYL P

Form 4

November 09, 2004

FORM 4

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

OMB Number: 3235-0287

burden hours per

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Expires: January 31, 2005 Estimated average

0.5

OMB APPROVAL

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

response...

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * MORLEY CHERYL P			2. Issuer Name and Ticker or Trading Symbol MONSANTO CO /NEW/ [MON]	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)			
(Last)	Last) (First) (Middle)		3. Date of Earliest Transaction	(Entern un applicable)			
800 N. LINDBERGH BLVD.		VD.	(Month/Day/Year) 11/05/2004	Director 10% OwnerX Officer (give title Other (specify below) Sr. VP Corporate Strategy			
	(Street)		4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
ST. LOUIS, MO 63167			Filed(Month/Day/Year)	Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person			

(City)	(State)	(Zip) Tabl	e I - Non-E	Derivative S	Securi	ities Acqu	iired, Disposed of	f, 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)	3. Transactic Code (Instr. 8)	, ,			5. Amount of Securities Beneficially Owned Following Reported	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code V	Amount	or (D)	Price	Transaction(s) (Instr. 3 and 4)		
Common Stock	11/05/2004		M	50,000	A	\$ 20	68,132	D	
Common Stock	11/05/2004		S	1,600	D	\$ 42.66	66,532	D	
Common Stock	11/05/2004		S	1,100	D	\$ 42.67	65,432	D	
Common Stock	11/05/2004		S	2,300	D	\$ 42.68	63,132	D	
Common Stock	11/05/2004		S	400	D	\$ 42.69	62,732	D	

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Common Stock	11/05/2004	S	1,800	D	\$ 42.7	60,932	D	
Common Stock	11/05/2004	S	11,800	D	\$ 42.71	49,132	D	
Common Stock	11/05/2004	S	3,000	D	\$ 42.72	46,132	D	
Common Stock	11/05/2004	S	7,600	D	\$ 42.73	38,532	D	
Common Stock	11/05/2004	S	900	D	\$ 42.74	37,632	D	
Common Stock	11/05/2004	S	2,600	D	\$ 42.75	35,032	D	
Common Stock	11/05/2004	S	900	D	\$ 42.76	34,132	D	
Common Stock	11/05/2004	S	200	D	\$ 42.77	33,932	D	
Common Stock	11/05/2004	S	1,100	D	\$ 42.78	32,832	D	
Common Stock	11/05/2004	S	200	D	\$ 42.79	32,632	D	
Common Stock	11/05/2004	S	800	D	\$ 42.8	31,832	D	
Common Stock	11/05/2004	S	758	D	\$ 42.81	31,074	D	
Common Stock	11/05/2004	S	400	D	\$ 42.82	30,674	D	
Common Stock	11/05/2004	S	100	D	\$ 42.83	30,574	D	
Common Stock	11/05/2004	S	800	D	\$ 42.84	29,774	D	
Common Stock	11/05/2004	S	800	D	\$ 42.85	28,974	D	
Common Stock	11/05/2004	S	600	D	\$ 42.86	28,374	D	
Common Stock	11/05/2004	S	300	D	\$ 42.87	28,074	D	
Common Stock	11/05/2004	S	2,300	D	\$ 42.88	25,774	D	
Common Stock						7,662	I	By 401(k) Plan

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

3. Transaction Date 3A. Deemed

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5. Number of 6. Date Exercisable and

SEC 1474 (9-02)

7. Title and Amount of

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

Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transactic Code (Instr. 8)	onDerivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		Expiration Date (Month/Day/Year)		Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Share
Option (right to buy) (1)	\$ 20	11/05/2004		M	50	0,000	03/15/2002(2)	10/16/2010	Common Stock	50,000

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

MORLEY CHERYL P 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167

Sr. VP Corporate Strategy

Signatures

Christopher A. Martin, Attorney-in-Fact

**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).
- Only securities of the same class or classes involved in the transactions being reported are included in this report. Accordingly, options that have different terms and phantom stock are not included in Table II of this report.
- (2) 50% of options became exercisable on each of March 15, 2002 and March 15, 2003.

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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