Courduroux Pierre Form 3 January 04, 2011

FORM 3

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

OMB APPROVAL

OMB Number:

3235-0104

0.5

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF

Expires: January 31, 2005

Estimated average burden hours per

response...

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

SECURITIES

(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] A Courduroux Pierre (Month/Day/Year) 01/01/2011 (Last) (First) (Middle) 4. Relationship of Reporting 5. If Amendment, Date Original Person(s) to Issuer Filed(Month/Day/Year) 800 N. LINDBERGH BLVD. (Check all applicable) (Street) 6. Individual or Joint/Group Filing(Check Applicable Line) 10% Owner Director _X_ Form filed by One Reporting _X__ Officer Other Person ST. LOUIS, MOÂ 63167 (give title below) (specify below) Form filed by More than One Sr. VP and CFO 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 (Instr. 4) Ownership (Instr. 4) Form: (Instr. 5) Direct (D) or Indirect (I) (Instr. 5) Common Stock D Â 2,026 Common Stock 662 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 information contained in this form are not

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

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)
			Derivative	Security:	

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Option (Right to Buy)	11/15/2005(1)	11/18/2014	Common Stock	7,420	\$ 22.5925	D	Â
Option (Right to Buy)	11/15/2006(2)	11/23/2015	Common Stock	7,800	\$ 36.7125	D	Â
Option (Right to Buy)	11/15/2007(3)	10/26/2016	Common Stock	8,200	\$ 44.06	D	Â
Option (Right to Buy)	11/15/2008(4)	10/22/2017	Common Stock	4,320	\$ 87.14	D	Â
Option (Right to Buy)	11/15/2009(5)	10/20/2018	Common Stock	3,360	\$ 89.45	D	Â
Option (Right to Buy)	05/15/2010(6)	05/15/2019	Common Stock	520	\$ 89.95	D	Â
Option (Right to Buy)	11/15/2010(7)	10/26/2019	Common Stock	6,240	\$ 70.69	D	Â
Option (Right to Buy)	11/15/2011(8)	10/25/2020	Common Stock	7,990	\$ 58.71	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships				
	Director 10% Owner Officer		Officer	Other	
Courduroux Pierre 800 N. LINDBERGH BLVD. ST. LOUIS, MO 63167	Â	Â	Sr. VP and CFO	Â	

Signatures

Jennifer L. Woods, Attorney-in-Fact

**Signature of Reporting Person

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).

Date

- One-third of the options became exercisable on November 15, 2005, one-third of the options became exercisable on November 15, 2006 (1) and the remainder of the options became exercisable on November 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, 2006, one-third of the options became exercisable on November 15, 2007 and the remainder of the options became exercisable on November 15, 2008, subject to the terms of the Monsanto Company Long-Term Incentive Plan
- One-third of the options became exercisable on November 15, 2007, one-third of the options became exercisable on November 15, 2008 and the remainder of the options became exercisable on November 15, 2009, subject to the terms of the Monsanto Company Long-Term Incentive Plan.

Reporting Owners 2

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- One-third of the options became exercisable on November 15, 2008, one-third of the options became exercisable on November 15, 2009 and one-third of the options became exercisable on November 15, 2010, subject to the terms of the Monsanto Company Long-Term Incentive Plan.
- One-third of the options became exercisable on November 15, 2009, one-third of the options became exercisable on November 15, 2010 and the remainder of the options become exercisable on November 15, 2011, subject to the terms of the Monsanto Company Long-Term Incentive Plan.
- One-third of the options became exercisable on May 15, 2010, one-third of the options became exercisable on November 15, 2010 and (6) the remainder of the options become exercisable on November 15, 2011, subject to the terms and conditions of the Monsanto Company 2005 Long Term Incentive Plan.
- One-third of the options became exercisable on November 15, 2010, one-third of the options become exercisable on November 15, 2011 and the remainder of the options become exercisable on November 15, 2012, subject to the terms and conditions of the Monsanto Company 2005 Long Term Incentive Plan.
- One-third of the options become exercisable on November 15, 2011, one-third of the options become exercisable on November 15, 2012 and the remainder of the options become exercisable on November 15, 2013, subject to the terms and conditions of the Monsanto Company 2005 Long Term Incentive Plan.

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.