THRASHER LINDA Form 3 October 22, 2004 UNITED STATES SECURITIES AND EXCHANGE COMMISSION OMB APPROVAL FORM 3 Washington, D.C. 20549 OMB Number:

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> THRASHER LINDA			2. Date of Event RequiringStatement(Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol MOSAIC CO [MOS]				
(Last)	(First)	(Middle)	10/22/2004	4. Relationship of Reporting Person(s) to Issuer			5. If Amendment, Date Original Filed(Month/Day/Year)	
12800 WHI	TEWATER							
DRIVE, SUITE 200				(Check all applicable)				
(Street) MINNETONKA, MN 55343				Director10% Owner XOfficerOther (give title below) (specify below) Vice President		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I - I	Non-Derivat	ive Securiti	es Bei	neficially Owned	
1.Title of Secu (Instr. 4)	ırity		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owner (Instr.	•	
Common St	tock		0		D	Â		
Reminder: Rep owned directly	-	te line for ea	ch class of securities benefic	ially S	EC 1473 (7-02))		
	Persor inform require	ation conta ed to respo	oond to the collection of ined in this form are no nd unless the form disp /B control number.	t				

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

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

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January 31,

2005

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Expires:

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Date	Expiration	Amount or	or Indirect
Exercisable	Date	Number of	(I)
		Shares	(Instr. 5)

Reporting Owners

Reporting Owner Name / Address	Relationships					
	Director	10% Owner	Officer	Other		
THRASHER LINDA 12800 WHITEWATER DRIVE SUITE 200 MINNETONKA, MN 55343	Â	Â	Vice President	Â		
Signatures						
s/Richard L. 10/22 Mack	10/22/2004					
<u>**</u> Signature of E 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).

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.