LUMPKINS ROBERT L Form 3 October 22, 2004 FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549 OMB APPROVAL

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

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response...

0.5

(Print or Type Responses)

1. Name and Address of Reporting Person <u>*</u> LUMPKINS ROBERT L			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 WHIT	TEWATER						
DRIVE, SUITE 200				(Check	all applicable)		
(Street) MINNETONKA, MN 55343				X_ Director 10% Owner Officer Other (give title below) (specify below)		Owner	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 - N	Non-Derivat	tive Securiti	es Be	neficially Owned
1.Title of Security (Instr. 4)		2. Amount of Securities Beneficially Owned (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)		
Common Sto	ock		0		D	Â	
Reminder: Report on a separate line for each class of securities benefici owned directly or indirectly.			^{ially} S	EC 1473 (7-02)		
	inform require	ation conta ed to respo	oond to the collection of ined in this form are not nd unless the form displ /B control number.	:			

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

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

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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	
LUMPKINS ROBERT L 12800 WHITEWATER DRIVE SUITE 200 MINNETONKA, MN 55343		ÂX	Â	Â	Â	
Signatures						
s/Richard L. Mack	10/22/2004					
<u>**</u> Signature of Reporting Person	Da	ite				

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.