MATHIS DAVID B 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 Add Person <u>*</u> MATHIS E		orting	2. Date of Event Requiring Statement (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)		
770 BARBER	RY LAN	E		(0) 1	11 11 11 1				
(Street) LAKE FOREST, IL 60045				(Check all applicable) <u>X</u> 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	ive Securiti	es Be	neficially Owned		
1.Title of Security (Instr. 4)	/		2. Amount o Beneficially (Instr. 4)		3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	1		
Common Stoc	k		0		D	Â			
Reminder: Report owned directly or		te line for ea	ch class of securities benefic	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.	t					
Tat	ole II - Deri	ivative Secur	ities Beneficially Owned (e	.g., puts, calls,	warrants, opt	ions, c	onvertible 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)
	Date Exercisable	Expiration Date	Title	Amount or Number of	Security Dir	Security: Direct (D) or Indirect	

3235-0104

January 31,

2005

0.5

Expires:

response...

Estimated average burden hours per

Shares

(I) (Instr. 5)

Reporting Owners

Reporting Owner Name / Addre	ess	Relationships						
		10% Owner	Officer	Other				
MATHIS DAVID B 770 BARBERRY LANE LAKE FOREST, IL 600	X 45	Â	Â	Â				
Signatures								
s/Richard L. 1 Mack	0/22/2004							
<u>**</u> Signature of Reporting Person	Date							
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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.