Corrigan Fredric W Form 5 August 23, 2005

FORM 5

OMB APPROVAL

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

OMB 3235-0362 Number:

no longer subject to Section 16. Form 4 or Form 5 obligations may continue.

Check this box if

January 31, Expires: 2005

1.0

ANNUAL STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Estimated average burden hours per response...

See Instruction Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, 1(b). Form 3 Holdings Section 17(a) of the Public Utility Holding Company Act of 1935 or Section Reported

Form 4 Transactions 30(h) of the Investment Company Act of 1940

Reported

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Issuer Corrigan Fredric W Symbol MOSAIC CO [MOS] (Check all applicable) (First) (Middle) 3. Statement for Issuer's Fiscal Year Ended (Last) (Month/Day/Year) _X_ Director 10% Owner _X_ Officer (give title Other (specify 05/31/2005 below) below) 3033 CAMPUS DRIVE, SUITE Chief Executive Officer E490 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Reporting Filed(Month/Day/Year) (check applicable line)

PLYMOUTH, Â MNÂ 55441

(State)

(Zip)

(City)

X Form Filed by One Reporting Person Form Filed by More than One Reporting

		Tube 1 Tron Berraute Securities required, Disposed of, or Beneficiary 6 when							
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securi Acquired Disposed (Instr. 3,	d (A) of (D) 4 and (A) or))	5. Amount of Securities Beneficially Owned at end of Issuer's Fiscal Year (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	04/04/2005	Â	G	1,750	D	\$0	10,000	D	Â
Common Stock	04/04/2005	Â	G	250	A	\$ 0	250	I	By Spouse

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

SEC 2270 (9-02)

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	Number		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
					(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Grant of Restricted Stock Units	\$ 0	Â	Â	Â	Â	Â	10/29/2008	(1)	Common Stock	86,437
Grant of Stock Option	\$ 15.04	Â	Â	Â	Â	Â	10/29/2007	10/29/2014	Common Stock	280,700

Reporting Owners

Reporting Owner Name / Address	Relationships						
F	Director	10% Owner	Officer	Other			
Corrigan Fredric W 3033 CAMPUS DRIVE SUITE E490 PLYMOUTH, MN 55441	ÂX	Â	Chief Executive Officer	Â			

Signatures

s/Richard L. Mack, Attorney in fact for Fredric W.
Corrigan

08/23/2005

**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).
- (1) Not applicable.

Note: File three copies of this Form, one of which must be manually signed. If space provided 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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