GRAINGEF Form 4	R W W INC											
June 11, 201	14											
FORM	Λ4									OMB AP	PROVAL	
	UNITED	STATES				ND EX D.C. 20		ANGE C	OMMISSION	OMB Number:	3235-0287	
Check th if no lon subject t Section Form 4 o Form 5 obligatio may con <i>See</i> Instr	suant to S a) of the P	CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES ection 16(a) of the Securities Exchange Act of 1934, Public Utility Holding Company Act of 1935 or Section of the Investment Company Act of 1940							Expires: January 31 200 Estimated average burden hours per response 0.			
1(b).	action											
(Print or Type	Responses)											
	Address of Reporting F IERS COURT D		Symbol			Ticker or			5. Relationship of I Issuer	Reporting Perso	on(s) to	
			GRAINGER W W INC [GWW] 3. Date of Earliest Transaction					w ]	(Check all applicable)			
(Last) 100 GRAIN	(First) (N		3. Date of (Month/E 06/09/2	Day/Year		ansaction			Director X Officer (give below) Sr. V		Owner r (specify	
	(Street)		4. If Ame Filed(Mor			te Origina	ıl		6. Individual or Joi Applicable Line)	int/Group Filin	g(Check	
LAKE FOF	REST, IL 60045-52	201		·					_X_ Form filed by O Form filed by M Person			
(City)	(State)	(Zip)	Tab	e I - No	n-D	<b>)</b> erivative	Secu	rities Acqu	iired, Disposed of,	or Beneficiall	y Owned	
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deema Execution any (Month/Da	Date, if	Code (Instr. 8	8)	4. Securi n(A) or Di (Instr. 3, Amount	spose	d of (D)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	06/09/2014			S <u>(1)</u>		60	D	\$ 268.17	25,035	D		
Common Stock	06/09/2014	09/2014				10	D	\$ 268.18	25,025	D		
Common Stock	06/09/2014			S <u>(1)</u>		100	D	\$ 268.19	24,925	D		
Common Stock	06/09/2014			S <u>(1)</u>		30	D	\$ 268.23	24,895	D		
Common Stock	06/09/2014			S <u>(1)</u>		100	D	\$ 268.25	24,795	D		

Common Stock	06/09/2014	S <u>(1)</u>	3	D	\$ 268.27	24,792	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.28	24,692	D
Common Stock	06/09/2014	S <u>(1)</u>	300	D	\$ 268.33	24,392	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.48	24,292	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.49	24,192	D
Common Stock	06/09/2014	S <u>(1)</u>	166	D	\$ 268.52	24,026	D
Common Stock	06/09/2014	S <u>(1)</u>	91	D	\$ 268.56	23,935	D
Common Stock	06/09/2014	S <u>(1)</u>	212	D	\$ 268.58	23,723	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.6	23,623	D
Common Stock	06/09/2014	S <u>(1)</u>	308	D	\$ 268.61	23,315	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.63	23,215	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.68	23,115	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.71	23,015	D
Common Stock	06/09/2014	S <u>(1)</u>	72	D	\$ 268.76	22,943	D
Common Stock	06/09/2014	S <u>(1)</u>	128	D	\$ 268.78	22,815	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.79	22,715	D
Common Stock	06/09/2014	S <u>(1)</u>	200	D	\$ 268.84	22,515	D
Common Stock	06/09/2014	S <u>(1)</u>	200	D	\$ 268.95	22,315	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 268.97	22,215	D
Common Stock	06/09/2014	S <u>(1)</u>	100	D	\$ 269.01	22,115	D
	06/09/2014	S <u>(1)</u>	100	D		22,015	D

Common Stock					\$ 269.02		
Common Stock	06/09/2014	S <u>(1)</u>	200	D	\$ 269.09	21,815	D

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 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)	4. Transacti Code (Instr. 8)	5. ofNumber of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)		ate	Under Secur	unt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secu Bene Owne Follo Repo Trans (Instr
			Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

## **Reporting Owners**

Reporting Owner Name / Address	Relationships							
	Director	10% Owner	Officer	Other				
CARRUTHERS COURT D 100 GRAINGER PARKWAY LAKE FOREST, IL 60045-5201			Sr. Vice President					
Signatures								
David L. Rawlinson, as attorney-in-fact		06/10/201	4					
<b>**</b> Signature of Reporting Person		Date						
Evelopetion of Dec								

## **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) Sale pursuant to a previously adopted Rule 10b5-1 trading program.

#### **Remarks:**

This is the fourth of four Forms 4 to report all June 9, 2014 transactions for the reporting person.

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.