CENTRAL GARDEN & PET CO Form SC 13G February 14, 2018

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934

	Central Garden & Pet C	ompany
(Nam	e of Issuer)	
Commo	n Stock	
(Title of Cl	ass of Securities)	
	153527106	
(CUSI	P Number) May 24, 2017	
(Date of Event Which	Requires Filing of this S	tatement)
Check the appropriate box to designat Schedule is filed:	e the rule pursuant to wh	ich this
[X] Rule 13d-1(b)		
[_] Rule 13d-1(c)		
[_] Rule 13d-1(d)		
*The remainder of this cover page sha initial filing on this form with res and for any subsequent amendment con the disclosures provided in a prior	pect to the subject class taining information which	of securities,
The information required in the remaindeemed to be "filed" for the purpose Act of 1934 ("Act") or otherwise subjust the Act but shall be subject to alsee the Notes).	of Section 18 of the Secu ect to the liabilities of	rities Exchange that section
CUCTD NO. 152527106	120	
CUSIP NO. 153527106	13G 	Page 2 of 8 Pages
(1) NAMES OF REPORTING PERSONS. I.R.S. IDENTIFICATION NOS. OF	ABOVE PERSONS (entities o	nly).
Renaissance Technologies LLC	26-0385758	
(2) CHECK THE APPROPRIATE BOX IF A M	EMBER OF A GROUP (SEE INS	TRUCTIONS):

	(b) [_]				
(3)	SEC USE ONLY				
(4)	CITIZENSHIP OR PLACE OF O	RGANIZATION			
	Delaware 				
			(5)	SOLE VOTING POWER	
	NUMBER OF SHARES BENEFICIALLY OWNED			658,700	
BY EACH REPORTING PERSON WITH:		(6)	SHARED VOTING POWER		
			0		
			(7)	SOLE DISPOSITIVE POWER	
				658,800	
			(8)	SHARED DISPOSITIVE POWER	
				11,676	
(9)	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON				
		670,476			
(10)	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES				
	(SEE INSTRUCTIONS)			[_]	
(11)	PERCENT OF CLASS REPRES	ENTED BY AMOUNT IN	ROW	(9)	
		5.51 %			
(12)	TYPE OF REPORTING PERSON (SEE INSTRUCTIONS) IA				
		Page 2 of 8 page	es		
	 IP NO. 153527106	13G		 Page 3 of 8 Page	
(1)	NAMES OF REPORTING PERSO	NS.			
	RENAISSANCE TECHNOLOGIES	HOLDINGS CORPORAT	ION	13-3127734	
(2)	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) (a) [_] (b) [_]				
(3)	SEC USE ONLY				

(4) CIT	IZENSHIP OR PLACE OF ORGANIZATION		
D	elaware		
		(5)	SOLE VOTING POWER
BE	MBER OF SHARES NEFICIALLY OWNED		658,700
	EACH REPORTING PRSON WITH:	(6)	SHARED VOTING POWER
			0
		(7)	SOLE DISPOSITIVE POWER
			658,800
		(8)	SHARED DISPOSITIVE POWER
			11,676
(9) AG	GREGATE AMOUNT BENEFICIALLY OWNED BY F	EACH RE	PORTING PERSON
	670,476		
	ECK BOX IF THE AGGREGATE AMOUNT IN ROV SEE INSTRUCTIONS) [_]	V (9) Е	XCLUDES CERTAIN SHARES
(11) P	ERCENT OF CLASS REPRESENTED BY AMOUNT	IN ROW	(9)
	5.51 %		
(12) TY	PE OF REPORTING PERSON (SEE INSTRUCTION HC	ONS)	
	Page 3 of 8 r	pages	
CUSIP	NO. 153527106 13G		Page 4 of 8 Pages
 Item 1.			
(a)	Name of Issuer		
	Central Garden & Pet Company		
(b)	Address of Issuer's Principal Executi	ive Off	ices.
	1340 Treat Boulevard, Suite 600, Wal	lnut Cr	eek, California 94597
Item 2.			
(a)	Name of Person Filing:		
	This Schedule 13G is being filed by ("RTC") and Renaissance Technologies		

(b) Address of Principal Business Office or, if none, Residence.

The principal business address of the reporting persons is:

800 Third Avenue New York, New York 10022

(c) Citizenship.

RTC is a Delaware limited liability company, and RTHC is a Delaware corporation.

(d) Title of Class of Securities.

Common Stock

(e) CUSIP Number.

153527106

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Item 3. If this statement is filed pursuant to Rule 13d-1(b) or 13-d-2(b)

(a) [_] Broker or dealer registered under section 15 of the Act.

or (c), check whether the person filing is a:

- (b) [_] Bank as defined in section 3(a)(6) of the Act.
- (c) [_] Insurance Company as defined in section 3(a)(19) of the Act.
- (d) [_] Investment Company registered under section 8 of the Investment Company Act.
- (e) [x] Investment Adviser in accordance with Sec.240.13d-1(b)(1)(ii)(E).
- (f) [_] Employee Benefit Plan or Endowment Fund in accordance with Sec. 240.13d-1 (b) (1) (ii) (F).
- (g) [_] Parent holding company, in accordance with Sec.240.13d-1(b)(1)(ii)(G).
- (h) $[_]$ A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) [_] A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940.
- (j) $[_]$ Group, in accordance with Sec.240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

(a) Amount beneficially owned.

RTC: 670,476 shares

RTHC: 670,476 shares, comprising the shares beneficially owned by RTHC, because of RTHC's majority ownership of RTC.

(b) Percent of Class.

RTC: 5.51 % RTHC: 5.51 %

- (c) Number of shares as to which the person has:
 - (i) sole power to vote or to direct the vote:

RTC: 658,700 RTHC: 658,700

(ii) Shared power to vote or to direct the vote: 0

(iii) sole power to dispose or to direct the disposition of:

RTC: 658,800 RTHC: 658,800

(iv) Shared power to dispose or to direct the disposition of:

RTC: 11,676 RTHC: 11,676

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Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following: [_]

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Certain funds and accounts managed by RTC have the right to receive dividends and proceeds from the sale of the securities which are the subject of this report.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company.

Not applicable

Item 8. Identification and Classification of Members of the Group.

Not applicable

Item 9. Notice of Dissolution of a Group.

Not applicable

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Item 10. Certification

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber

Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (See $18\ U.S.C.\ 1001$).

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EXHIBIT 99.1

AGREEMENT REGARDING JOINT FILING

UNDER RULE 13D-1(K) OF THE EXCHANGE ACT

In accordance with Rule 13d-1(k) under the Securities Exchange Act of 1934, as amended, each of the undersigned agrees to the filing on behalf of each of a Statement on Schedule 13G, and all amendments thereto, with respect to the shares of Common Stock of Central Garden & Pet Company.

Date: February 13, 2018

Renaissance Technologies LLC

By: /s/ Mark Silber
Executive Vice President

Renaissance Technologies Holdings Corporation

By: /s/ Mark Silber Vice President

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