
SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 11-K

Annual Report Pursuant to Section 15(d) of the Securities Exchange Act of 1934

For the fiscal year ended December 31, 2014

or

Transition Report Pursuant to Section 15(d) of the Securities Exchange Act of 1934

For the transition period from _____ to _____.

Commission file number (of issuer): 1-5667

A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

Cabot 401(k) Plan

B. Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

**Cabot Corporation
Two Seaport Lane, Suite 1300
Boston, Massachusetts 02210-2019**

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* All other supplemental schedules required by Section 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA have been omitted because they are not applicable.

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Trustee and Participants of the Cabot 401(k) Plan:

We have audited the accompanying statements of net assets available for benefits of the Cabot 401(k) Plan (the "Plan") as of December 31, 2014 and 2013, and the related statement of changes in net assets available for benefits for the year ended December 31, 2014. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2014 and 2013, and the changes in net assets available for benefits for the year ended December 31, 2014, in conformity with accounting principles generally accepted in the United States of America.

The supplemental information in the accompanying schedule of Assets (Held at End of Year) have been subjected to audit procedures performed in conjunction with the audit of the Plan's financial statements. The supplemental information is the responsibility of the Plan's management. Our audit procedures included determining whether the supplemental information reconciles to the financial statements or the underlying accounting and other records, as applicable, and performing procedures to test the completeness and accuracy of the information presented in the supplemental information. In forming our opinion on the supplemental information in the accompanying schedule, we evaluated whether the supplemental information, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. In our opinion, the supplemental information is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ Caron & Bletzer, PLLC

Kingston, NH

June 26, 2015

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Statements of Net Assets Available for Benefits
As of December 31, 2014 and 2013

	<u>2014</u>	<u>2013</u>
Assets		
Investments, at fair value:		
Registered investment companies	\$446,168,290	\$413,689,982
Common collective trusts	91,256,019	67,350,722
Cabot Corporation common stock funds	<u>82,097,811</u>	<u>116,819,531</u>
Total investments	619,522,120	597,860,235
Receivables:		
Employer contribution receivable	273,000	367,335
Other employer contribution receivable	400,000	—
Notes receivable from participants	<u>4,919,713</u>	<u>4,958,526</u>
Total receivables	<u>5,592,713</u>	<u>5,325,861</u>
Assets reflecting all investments at fair value	625,114,833	603,186,096
Adjustment from fair value to contract value for fully benefit responsive common collective trust	<u>(202,200)</u>	—
Net assets available for benefits	<u>\$624,912,633</u>	<u>\$603,186,096</u>

See notes to financial statements.

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Cabot 401(k) Plan
Statement of Changes in Net Assets Available for Benefits
For the Year Ended December 31, 2014

	<u>2014</u>
Additions	
Interest and dividend income	\$ 21,496,017
Interest on notes receivable from participants	248,437
Net appreciation in fair value of investments	3,889,396
Employer contributions	15,293,154
Other employer contributions	400,000
Participant contributions	13,973,763
Rollovers	1,498,978
Total additions	<u>56,799,745</u>
Deductions	
Benefits paid to participants	34,744,406
Administrative expenses	328,802
Total deductions	<u>35,073,208</u>
Net increase in net assets	21,726,537
Net assets available for benefits	
Beginning of year	603,186,096
End of year	<u>\$624,912,633</u>

See notes to financial statements.

Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

1. Description of the Plan

General

Cabot Corporation (“Cabot” or the “Company”) initially adopted the Cabot Corporation Employee Stock Ownership Plan (the “ESOP”) in 1988, the Cabot Retirement Incentive Savings Plan in 1994 (previously the Cabot Profit-Sharing and Savings Plan, adopted in 1952) (the “CRISP”), and the Cabot Employee Savings Plan in 1987 (the “CESP”). As of December 31, 2000, the CRISP and the CESP were merged with and into the ESOP. The combined amended and restated plan was a defined contribution plan and was renamed the Cabot Retirement Savings Plan, which had two components, a 401(k) plan and an Employee Stock Ownership Plan (“ESOP”). As of December 31, 2013, all shares under the ESOP component of the Plan have been fully allocated and the related debt repaid, and the remaining 401(k) component of the Plan was amended and renamed the Cabot 401(k) Plan (the “Plan”). The Plan is subject to provisions of the Employee Retirement Income Security Act of 1974 (“ERISA”).

As of the close of business on July 31, 2012, Cabot acquired Norit Americas Inc. (“Purification Solutions”). The Norit Americas Inc. Employees 401(k) Plan (“Norit Plan”) was merged with and into the Plan effective January 1, 2013.

The following brief description of the Plan is provided for general information purposes only. Participants should refer to the Plan document for more complete information.

Eligibility

All U.S. employees of the Company and its participating subsidiaries (except certain temporary and leased employees) are eligible to participate in the Plan beginning on the later of the first day of employment or the date the employee is included in an employee group which participates.

Purification Solutions employees participated in the Plan in 2013 under a separate benefit formula that was the same benefit formula they received under the Norit Americas Inc. Employees 401(k) Plan. As of January 1, 2014, Purification Solutions employees may participate in the Plan according to the Plan terms without modification.

Employee Contributions

By means of a salary reduction arrangement, a Cabot participant may make contributions to his or her account. Participants may elect to contribute up to 50% of their U.S. eligible compensation on a before-tax basis (includes catch-up contributions), an after-tax basis, a Roth after-tax basis or a combination thereof, subject to certain limitations under the Internal Revenue Code (the “Code”). Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans. Participants are automatically enrolled in the Plan if they do not make an election to contribute within 60 days of their eligibility to participate. Participants who are automatically enrolled are deemed to have made an election to make pre-tax contributions in an amount of 6% (3% prior to January 1, 2014) of their eligible compensation and to increase this contribution rate by 1% of employee eligible compensation each year in January, up to a maximum deferral rate of 15%. Participants may choose to opt out or change their contribution rate at any time.

Company Contributions

Effective January 1, 2014, the Company matching contribution is 100% up to the first 6% of eligible compensation and is made each pay period. The Plan also provides an employer matching true up contribution at year-end to ensure all participants receive a total match in the amount of the lesser of (1) 100% of the participants contribution for the year; or (2) 6% of the participants eligible compensation for the year. In addition to the match, a Company retirement contribution of 4% of eligible earnings is paid at the end of each quarter. The Company match and Company retirement contributions are invested in accordance with participant allocations.

Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

The Company may make discretionary contributions to participants under the terms of the Plan. No such discretionary contributions were made during the year ended December 31, 2014.

Participant Accounts

Individual accounts are maintained for each Plan participant. Each participant account is credited with the participant's contribution, Company contributions and Plan earnings, and charged with withdrawals and an allocation of Plan losses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

Investments

Participants direct the investment of their contributions into various investment options offered by the Plan including the Cabot Common Stock Fund, which consists primarily of Cabot common stock.

Vesting

Each Cabot participant is at all times 100% vested in his or her contributions. Effective January 1, 2014, all participants are 100% vested in the Company match and earnings thereon, and are vested in the Company retirement contribution upon completion of 2 years of service. In addition, a participant's entire account balance becomes 100% vested and payable upon the participant's attainment of age 65, disability, or death.

Distribution of Benefits

The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account. Benefits may be distributed to participants upon termination of employment by reason of retirement, disability, death or other severance of employment. Participants who terminate employment and have a vested account balance of less than \$1,000 will receive a lump sum distribution of 100% of their vested benefits. Distributions for participants with vested account balances greater than \$1,000 but not in excess of \$5,000 who terminate employment and fail to make a timely distribution election will be paid to an individual retirement account designated by the plan administrator. For Cabot employees not subject to certain collective bargaining agreements, effective April 30, 2001, the Plan requires all new benefits to be paid in the form of a lump sum distribution.

A participant may withdraw up to 100% of his or her before-tax or Roth contributions upon showing a financial hardship exists, as defined by the Plan, but only after the participant has withdrawn all other vested benefits from the Plan and the maximum loan has been made from the participant's account. Participants may withdraw at any time any after-tax contributions made.

A participant may make withdrawals from his or her entire vested account balance once the participant reaches age 59 ¹/₂.

A participant may elect to defer payment of a benefit until April 1 following the year that the participant reaches age 70 ¹/₂.

Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

Participant Loans

Cabot employees may obtain loans from the Plan in an amount not to exceed, in the aggregate, the lesser of \$50,000 or 50% of the total vested amount in the participant's account. Each loan must be paid in full within five years through payroll deductions and is secured by the participant's remaining account balance. The Plan provides that loans may bear interest at reasonable rates as determined by the Benefits Committee of the Company. The interest rate is currently the prime rate plus 2%, and is adjusted quarterly for new loans to reflect changes in the prime rate. Interest rates on outstanding loans as of December 31, 2014 ranged from 3.25% to 5.25% per annum. Participant loans are classified as Notes receivable from participants on the Statements of Net Assets Available for Benefits.

2. Summary of Significant Accounting Policies

Basis of Accounting

The accompanying financial statements have been prepared in conformity with accounting principles generally accepted in the United States of America ("GAAP").

Use of Estimates

The preparation of financial statements in conformity with GAAP requires management to make certain estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of additions and deductions during the reporting period. Actual amounts could differ from those estimates.

Risk and Uncertainties

The Plan allows for various investment options (as selected by the Plan administrator) in any combination of stocks, bonds, fixed income securities, mutual funds and other investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the financial statements.

Investment Valuation

The Statements of Net Assets Available for Benefits reflect the Plan's investments at their fair values except for the Plan's investment in the Vanguard Retirement Savings Trust III ("VRST"), a common collective trust investment, which is stated at its fair value and adjusted to contract value as further described below. Fair value of a financial instrument is the price that would be received on the sale of an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. See Note 3 for a discussion of fair value measurements.

The Statements of Net Assets Available for Benefits reflect the Plan's interests in common collective trusts at their net asset values ("NAVs") provided by the administrator of the trusts. The NAVs are based upon the fair values of the underlying assets owned by the trusts, minus their liabilities, and then divided by the number of shares outstanding. For the VRST, such amount is then adjusted to contract value because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the Plan. The interest in the VRST is included in the Statement of Changes in Net Assets Available for Benefits on a contract basis.

Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

Income Recognition

Purchases and sales of securities are reflected on a trade date basis. Gains or losses on sales of securities are based on average cost.

Dividends received in cash are recorded on the ex-dividend date. Dividend payments received in shares of Cabot common stock are recorded on the ex-dividend date in an amount equal to the fair value of the common stock on that date. Interest income is recorded as earned on the accrual basis.

The Plan presents in the Statement of Changes in Net Assets Available for Benefits, the net appreciation (depreciation) in the fair value of its investments which consists of (i) realized gains or losses, and (ii) unrealized appreciation (depreciation) on those investments.

Management fees and operating expenses related to investments in the mutual funds and common collective trusts are charged directly to the mutual funds and deducted from income earned on a daily basis by the mutual funds and are not separately reflected in the accompanying financial statements. Consequently, management fees and operating expenses are reflected as a reduction of investment return for such investments.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant loans are recorded as distributions based on the terms of the Plan document.

Benefit Payments

Benefit payments to participants are recorded upon distribution.

3. Fair Value Measurements

The Plan classifies its investments into Level 1, which refers to securities valued using quoted prices from active markets for identical assets; Level 2, which refers to securities not traded on an active market but for which observable market inputs are readily available; and Level 3, which refers to securities valued based on significant unobservable inputs. Assets and liabilities are classified in their entirety based on the lowest level of input that is significant to the fair value measurement. There were no transfers of assets between levels during the year ended December 31, 2014. The Plan's policy is to recognize significant transfers between levels at the beginning of the reporting period.

Following is a description of the valuation methodologies used by the Plan. There have been no changes in the methodologies used at December 31, 2014 and 2013.

Common collective trusts – Valued at the NAV based on information reported by the trustee with reference to the market value of the trust's underlying assets at year end. The common collective trusts are audited annually.

Mutual funds – Valued at the NAV of the shares held by the Plan at year end as determined by quoted market prices.

Company stock – Valued at the closing price reported on the active market on which the individual securities are traded.

[Table of Contents](#)**Cabot 401(k) Plan****Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014**

The preceding methods described may produce a fair value calculation that may not be indicative of the amount realized upon disposition. Furthermore, although the Plan believes its valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at reporting date.

The following tables set forth by level and major categorization within the fair value hierarchy, the Plan's assets at fair value as of December 31:

	2014			
	Total	Level 1	Level 2	Level 3
<i>Common collective trusts:</i>				
Target retirement	\$ 84,466,887	\$ —	\$84,466,887	\$ —
Stable value	6,789,132	—	6,789,132	—
Total common/collective trusts	91,256,019	—	91,256,019	—
<i>Mutual funds:</i>				
Domestic equity funds	230,739,977	230,739,977	—	—
Balanced funds	68,692,203	68,692,203	—	—
Bond funds	62,379,430	62,379,430	—	—
International funds	55,684,004	55,684,004	—	—
Money market funds	28,672,676	28,672,676	—	—
Total mutual funds	446,168,290	446,168,290	—	—
Company stock *	82,097,811	82,097,811	—	—
Total	<u>\$619,522,120</u>	<u>\$528,266,101</u>	<u>\$91,256,019</u>	<u>\$ —</u>

* Includes both Cabot Common ESOP Stock Fund and Cabot Common Stock Fund.

	2013			
	Total	Level 1	Level 2	Level 3
<i>Common collective trusts:</i>				
Target retirement	\$ 67,350,722	\$ —	\$67,350,722	\$ —
<i>Mutual funds:</i>				
Money market funds	31,053,511	31,053,511	—	—
Domestic equity funds	209,134,193	209,134,193	—	—
International funds	52,699,368	52,699,368	—	—
Balanced funds	62,690,938	62,690,938	—	—
Bond funds	58,111,972	58,111,972	—	—
Total mutual funds	413,689,982	413,689,982	—	—
Company stock *	116,819,531	116,819,531	—	—
Total	<u>\$597,860,235</u>	<u>\$530,509,513</u>	<u>\$67,350,722</u>	<u>\$ —</u>

* Includes both Cabot Common ESOP Stock Fund and Cabot Common Stock Fund.

The target date common collective trusts held by the Plan seek to provide total return consisting of long-term growth or capital and current income, consistent with the investment strategy of an investor who expects to retire at the selected retirement date. Redemptions are allowed daily for the Plan and participants. There are no unfunded commitments.

Cabot 401(k) Plan**Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014**

The VRST seeks stability of principal and a high level of current income consistent with a 2-3 year average maturity. The trust is a tax-exempt collective trust invested primarily in investment contracts issued by insurance companies and commercial banks, and similar types of fixed-principal investments. The trust intends to maintain a constant net asset value of \$1.00 per share. The Plan has no unfunded commitments to the VRST, which allows for daily transactions. The Plan may be subject to a 12 month notice period for redemptions, and redemptions are allowed daily for participants.

Participants may ordinarily direct either the withdrawal or transfer of all or a portion of their investment at contract value. Contract value represents contributions made to the fund, plus interest accrued at the contract rate, less withdrawals. The existence of certain conditions can limit the VRST's ability to transact at contract value with issuers of its investment contracts. Specifically, any event outside the normal operation of the VRST that causes a withdrawal from an investment contract may result in a negative market value adjustment with respect to the withdrawal. Examples of such events include, but are not limited to, partial or complete legal termination of the VRST or a unit holder, tax disqualification of the VRST or unit holder, and certain VRST amendments if issuers' consent is not obtained. In general, issuers may terminate the contract and settle at other than contract value if there is a change in the qualification status of the participant, employer, or Plan; a breach of material obligations under the contract and misrepresentation by the contract holder; or failure of the underlying portfolio to conform to the pre-established investment guidelines. Plan management believes that the occurrence of events that would cause the VRST to transact at less than contract value is not probable.

4. Investments

The fair value of investments held by the Plan that exceed 5% or more of the Plan's net assets available for benefits as of December 31, 2014 and 2013 are as follows:

	December 31,	
	2014	2013
Cabot Corporation Company Stock*	\$82,097,811	\$116,819,531
Vanguard Institutional Index Fund	79,920,307	71,722,655
Vanguard Wellington Fund	68,692,203	62,690,938
Vanguard PRIMECAP Fund	58,688,785	48,854,645
Vanguard Total Bond Market Index Fund	48,418,616	43,733,209
Vanguard Windsor II Fund	41,638,529	39,764,604
Vanguard International Growth Fund	33,596,098	36,315,071
Vanguard Prime Money Market Fund	28,672,676**	31,053,511

* Includes both Cabot Common ESOP Stock Fund and Cabot Common Stock Fund.

** Does not represent 5% or more of net assets for the year ended December 31, 2014 but is shown for comparative purposes

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Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

During the year ended December 31, 2014, the Plan's investments (including gains and losses on investments bought and sold, as well as held during the year) appreciated (depreciated) in value as follows:

	<u>2014</u>
Mutual funds	\$ 12,176,160
Common collective trusts	5,151,511
Cabot Corporation common stock *	<u>(13,438,275)</u>
Total net appreciation in fair value	<u>\$ 3,889,396</u>

* Amount relates to both Cabot Common ESOP Stock Fund and Cabot Common Stock Fund

5. Forfeitures

Upon termination of a participant from the Plan before his or her benefits are fully vested, the unvested portion of the Company retirement contributions is forfeited. The Plan allows the Company to apply participant forfeitures toward Plan expenses or to offset the Company contributions. During 2014, the Company used \$54,915 of participant forfeitures toward the payment of the Company contribution. As of December 31, 2014 and 2013, available remaining participant forfeitures totaled \$128,123 and \$59,531, respectively.

6. Administrative Expenses

Effective January 1, 2014, the Plan was amended to permit the payment of usual and reasonable expenses not paid by the Company to be paid by the Plan, to the extent permitted by ERISA. These expenses are deducted from participant accounts. With this change, certain redemption, special managed account and participant loan fees, as well as other administrative expenses required for the operation of the Plan are deducted from participant accounts. Costs paid by the Company include audit fees and certain consulting and investment services expenses.

7. Federal Income Tax Status

In a letter dated July 9, 2014, the Internal Revenue Service (IRS) advised the Company of its favorable determination with respect to the qualified status of the Plan, as amended and restated, under the Code. The Plan is intended to qualify as a profit sharing plan under section 401(a) of the Code that contains a stock bonus feature constituting an employee stock ownership plan under section 4975(e) of the Code. The Plan has been amended since receiving the determination letter, however, the Company and Plan management believe that the Plan has been designed and is, except as described in Note 11, being operated in compliance with the applicable requirements of the Code. Therefore, no provision for income tax has been accrued.

The Company evaluates tax positions taken by the Plan and recognizes a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Company has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2014, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Company believes that all Plan years remain open and subject to audit.

Cabot 401(k) Plan

Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014

In May 2014, the Company became aware of a discrepancy between the Plan language and the administrative process used to calculate the matching contribution. The Company filed a Voluntary Correction Program (VCP) submission requesting IRS approval for a retroactive Plan amendment that would more explicitly conform the terms of the Plan to the administration of the Plan. In March 2015, the IRS approved the correction of the operational failure with the amendment of the Plan, which was adopted by the Company in May 2015. Accordingly, no additional contributions were required to resolve this matter.

8. Plan Termination

The Plan was established with the intention that it will continue indefinitely. However, the Company reserves the right to suspend its contributions or to terminate the Plan at any time. In the event the Plan is terminated, all participants become 100% vested and the assets of the Plan, after payment of any expenses, taxes or proper charges of the trustee, will be allocated in accordance with the provisions of ERISA.

9. Party-In-Interest

The Plan's investment options include certain mutual funds and common collective trusts of The Vanguard Group. Vanguard Fiduciary Trust Company is the record keeper and trustee of certain of the Plan's assets and, therefore, participant investments in mutual funds and common collective trusts within The Vanguard Group qualify as party-in-interest transactions. Management fees paid for investment management services are charged directly to the mutual funds and common collective trusts by Vanguard, and are reflected as a reduction of the return earned on each mutual fund. The Plan does not separately pay any management fees to The Vanguard Group.

In addition, the Plan is invested in common stock of the Company and these transactions qualify as party-in-interest transactions.

At December 31, 2014 and 2013, the Plan held common stock of the Company, the sponsoring employer. During the year ended December 31, 2014, and December 31, 2013 the Plan earned dividend income of \$2,055,609 and \$2,262,388, respectively, related to the common stock of the Company.

Cabot 401(k) Plan**Notes to Financial Statements as of December 31, 2014 and 2013, and for the Year Ended December 31, 2014**

10. Reconciliation of Financial Statements to Form 5500

A reconciliation of net assets available for benefits per the financial statements to the total net assets per the Form 5500 as of December 31, 2014, and the increase in net assets per the financial statements to amounts reflected in the Form 5500 for the year ended December 31, 2014 is as follows:

	<u>2014</u>
Net assets available for benefits per the financial statements	\$624,912,633
Deemed distributions - reduction of loans	(5,387)
Adjustment from contract value to fair value for the fully benefit responsive common collective trust	202,200
Net assets available for benefits per Form 5500	<u>\$625,109,446</u>
	<u>2014</u>
Net increase in net assets available for benefits per the financial statements	\$21,726,537
Deemed distributions	(5,387)
Adjustment from contract value to fair value for the fully benefit responsive common collective trust	202,200
Net income per Form 5500	<u>\$21,923,350</u>

11. Subsequent Events

In February 2015, the Company identified an error in the calculation of the Company matching contribution due to participants in the Plan. As a result of an error in the programming of the U.S. payroll system, some employees did not receive matching contributions on certain after tax contributions made between calendar years 2003 and 2013. The amount of these contributions and the lost earnings thereon is estimated to be approximately \$400,000, and is reflected as Other employer contribution receivable in the Statement of Net Assets Available for Benefits as of December 31, 2014. The Company intends to take the appropriate corrective action under the IRS' Employee Plans Compliance Resolution System.

The Company has evaluated subsequent events through June 26, 2015, the date these financial statements were issued. Other than as disclosed above, there were no subsequent events that require recognition or additional disclosure in these financial statements.

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Cabot 401(k) Plan
Schedule H, Line 4i – Schedule of Assets (Held At End of Year)
As of December 31, 2014

EIN: 04-2271897 PN: 022

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor or similar party	Description of investment including maturity date, rate of interest, collateral, par or maturity value	Cost	Current value
*	Cabot Corporation	Company Stock	**	\$ 82,097,811
*	Vanguard Institutional Index Fund	Mutual fund	**	79,920,307
*	Vanguard Wellington Fund	Mutual fund	**	68,692,203
*	Vanguard PRIMECAP Fund	Mutual fund	**	58,688,785
*	Vanguard Total Bond Market Index Fund	Mutual fund	**	48,418,616
*	Vanguard Windsor II Fund	Mutual fund	**	41,638,529
*	Vanguard International Growth Fund	Mutual fund	**	33,596,098
*	Vanguard Prime Money Market Fund	Mutual fund	**	28,672,676
*	Vanguard Explorer Fund	Mutual fund	**	26,688,586
*	Vanguard Extended Market Index Fund	Mutual fund	**	22,456,501
*	Vanguard Short-term Federal Fund	Mutual fund	**	13,960,814
*	Vanguard Total International Stock Index Fund	Mutual fund	**	10,978,178
*	Vanguard International Value Fund	Mutual fund	**	9,893,196
*	Vanguard Total International Bond Index Fund	Mutual fund	**	1,216,532
*	Vanguard Inflation-Protected Securities Fund	Mutual fund	**	725,197
*	Diamond Hill Small Cap Fund	Mutual fund	**	622,058
*	Vanguard Short-Term Federal Fund Investor Share	Mutual fund	**	14
*	Vanguard Target Retirement 2020 Trust II	Common collective trust	**	17,258,246
*	Vanguard Target Retirement 2025 Trust II	Common collective trust	**	11,667,058
*	Vanguard Target Retirement 2015 Trust II	Common collective trust	**	11,019,077
*	Vanguard Target Retirement 2030 Trust II	Common collective trust	**	10,958,589
*	Vanguard Target Retirement 2035 Trust II	Common collective trust	**	9,707,038
*	Vanguard Target Retirement 2040 Trust II	Common collective trust	**	7,023,455
*	Vanguard Retirement Savings Trust	Common collective trust	**	6,789,132
*	Vanguard Target Retirement 2045 Trust II	Common collective trust	**	5,315,925
*	Vanguard Target Retirement Income Trust II	Common collective trust	**	4,858,526
*	Vanguard Target Retirement 2050 Trust II	Common collective trust	**	4,064,106
*	Vanguard Target Retirement 2010 Trust II	Common collective trust	**	1,777,297
*	Vanguard Target Retirement 2055 Trust II	Common collective trust	**	778,715
*	Vanguard Target Retirement 2060 Trust II	Common collective trust	**	38,855
	Total investments on the statement of net assets available for plan benefits			619,522,120
*	Participant Loans	(3.25% – 5.25%)	–	4,919,713
	Total investments on the Form 5500			<u>\$624,441,833</u>

* Indicates party-in-interest to the Plan

** Cost omitted for participant directed investments

SIGNATURES

The Plan. Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

Date: June 26, 2015

Cabot 401(k) Plan
(Name of Plan)

/s/ Robby D. Sisco

Robby D. Sisco
Senior Vice President

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Exhibit Index

Exhibit
Number

Exhibit 23.1 — Consent of Independent Registered Public Accounting Firm

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CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

We consent to the incorporation by reference in Registration Statements Nos. 333-19103, 333-19099, 333-161253 and 333-177176 of Cabot Corporation on Form S-8 of our report dated June 26, 2015 relating to the statements of net assets available for plan benefits of the Cabot 401(k) Plan as of December 31, 2014 and 2013 and the related statement of changes in net assets available for plan benefits for the year ended December 31, 2014, included in this annual report on Form 11-K.

/s/ Caron & Bletzer, PLLC

Boston, Massachusetts

June 26, 2015