CLOROX CO /DE/ Form SC 13D/A August 19, 2011

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13D

Under the Securities Exchange Act of 1934

(Amendment No. 4)*

The Clorox Company

(Name of Issuer)

Common Stock, Par Value \$1.00 (Title of Class of Securities)

> 189054109 (CUSIP Number)

Keith Schaitkin, Esq.

Icahn Capital LP

767 Fifth Avenue, 47th Floor

New York, New York 10153

(212) 702-4300

(Name, Address and Telephone Number of Person Authorized to Receive Notices and Communications)

August 18, 2011 (Date of Event which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Section 240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box.

NOTE: Schedules filed in paper format shall include a signed original and five copies of the schedule, including all exhibits. See Rule 13d-7 for other parties to whom copies are to be sent.

* The remainder of this cover page shall be filled out for a reporting person s initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page. The information required on the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 (Act) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 189054109

2

1. NAME OF REPORTING PERSON

- High River Limited Partnership CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - - (a) " (b) "
- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS
 - WC
- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware
- NUMBER OF 7 SOLE VOTING POWER

SHARES

BENEFICIALLY 2,500,000 OWNED BY 8 SHARED VOTING POWER EACH REPORTING 9 0 SOLE DISPOSITIVE POWER PERSON

PERSON

WITH:

2,500,000 10 SHARED DISPOSITIVE POWER

3

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,500,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

1.87%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Hopper Investments LLC2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
- REPORTING 2,500,000 9 SOLE DISPOSITIVE POWER

0

PERSON

WITH:

2,500,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,500,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

1.87%

14 TYPE OF REPORTING PERSON

00

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Barberry Corp.2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
 - REPORTING 2,500,000 9 SOLE DISPOSITIVE POWER

PERSON

WITH:

2,500,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

2,500,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

1.87%

14 TYPE OF REPORTING PERSON

CO

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Partners Master Fund LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

WC

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Cayman Islands NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 4,218,874 OWNED BY 8 SHARED VOTING POWER EACH 9 0 SOLE DISPOSITIVE POWER PERSON 4,218,874
 - 10 SHARED DISPOSITIVE POWER

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

4,218,874

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

3.16%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Partners Master Fund II LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

WC

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Cayman Islands NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 1,310,424 OWNED BY 8 SHARED VOTING POWER EACH 9 0 PERSON 9 SOLE DISPOSITIVE POWER WITH: 1,310,424
 - 10 SHARED DISPOSITIVE POWER

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,310,424

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

0.98%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Partners Master Fund III LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

WC

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Cayman Islands NUMBER OF 7 SOLE VOTING POWER

SHARES

BENEFICIALLY 8 637,628 OWNED BY 8 SHARED VOTING POWER EACH 9 0 SOLE DISPOSITIVE POWER PERSON

WITH:

637,628

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

637,628

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

0.48%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Offshore LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY

EACH

REPORTING 6,166,926 9 SOLE DISPOSITIVE POWER

0

PERSON

WITH:

6,166,926

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

6,166,926

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

4.63%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Partners LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

WC

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF 7 SOLE VOTING POWER

SHARES

BENEFICIALLY 3,833,074 OWNED BY 8 SHARED VOTING POWER EACH 0 0 SOLE DISPOSITIVE POWER

PERSON

WITH:

3,833,074

0

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,833,074

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

2.87%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Onshore LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
- REPORTING 3,833,074 9 SOLE DISPOSITIVE POWER

PERSON

WITH:

3,833,074

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

3,833,074

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

2.87%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Capital LPCHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY

EACH

REPORTING 10,000,000 9 SOLE DISPOSITIVE POWER

PERSON

WITH:

10,000,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,000,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.50%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

IPH GP LLC 2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF 7 SOLE VOTING POWER

SHARES

BENEFICIALLY 0 8 SHARED VOTING POWER

OWNED BY

EACH

REPORTING 10,000,000 9 SOLE DISPOSITIVE POWER

0

PERSON

WITH:

10,000,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,000,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.50%

14 TYPE OF REPORTING PERSON

00

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

- Icahn Enterprises Holdings L.P.CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
 - (a) " (b) "
- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
- REPORTING 10,000,000 9 SOLE DISPOSITIVE POWER

0

PERSON

WITH:

10,000,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,000,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.50%

14 TYPE OF REPORTING PERSON

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Icahn Enterprises G.P. Inc.CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
- REPORTING 10,000,000 9 SOLE DISPOSITIVE POWER

PERSON

WITH:

10,000,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,000,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.50%

14 TYPE OF REPORTING PERSON

CO

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Beckton Corp.2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION
- Delaware NUMBER OF 7 SOLE VOTING POWER

SHARES

- BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY
 - EACH
 - REPORTING 10,000,000 9 SOLE DISPOSITIVE POWER

PERSON

WITH:

10,000,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

10,000,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

7.50%

14 TYPE OF REPORTING PERSON

CO

CUSIP No. 189054109

1. NAME OF REPORTING PERSON

Carl C. Icahn

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(a) " (b) "

- 3 SEC USE ONLY
- 4 SOURCE OF FUNDS

00

- 5 CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) or 2(e) "
- 6 CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America NUMBER OF 7 SOLE VOTING POWER

SHARES

BENEFICIALLY 0 8 SHARED VOTING POWER OWNED BY

EACH

REPORTING 12,500,000 9 SOLE DISPOSITIVE POWER

0

PERSON

WITH:

12,500,000

11 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

12,500,000

- 12 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES "
- 13 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

9.37%

14 TYPE OF REPORTING PERSON

IN

Item 1. Security and Issuer

This statement constitutes Amendment No. 4 to the Schedule 13D relating to the Common Stock, par value \$1.00 (the Shares), issued by The Clorox Company (the Issuer), and hereby amends the Schedule 13D filed with the Securities and Exchange Commission on February 11, 2011 and amended by amendments No.1 through 3 thereto (as amended, the Initial Schedule 13D), on behalf of the Reporting Persons (as defined in the Initial Schedule 13D), to furnish the additional information set forth herein. All capitalized terms contained herein but not otherwise defined shall have the meanings ascribed to such terms in the Initial Schedule 13D.

Item 4. Purpose of Transaction

Item 4 is hereby amended by adding the following:

On August 18, 2011, the Reporting Persons delivered a letter to the Issuer (the <u>Notification Letter</u>), notifying the Issuer, as required by the Issuer s bylaws, that the Reporting Persons intend to appear at the Issuer s 2011 annual meeting of stockholders to nominate and seek to elect the eleven individuals named in the Notification Letter to the Issuer s eleven-member board of directors. A copy of the Notification Letter is filed herewith as an exhibit and incorporated herein by reference, and any descriptions herein of the Notification Letter are qualified in their entirety by reference to the Notification Letter.

SECURITY HOLDERS ARE ADVISED TO READ THE PROXY STATEMENT AND OTHER DOCUMENTS RELATED TO THE SOLICITATION OF PROXIES BY CARL C. ICAHN AND HIS AFFILIATES FROM THE STOCKHOLDERS OF THE CLOROX COMPANY FOR USE AT ITS 2011 ANNUAL MEETING WHEN THEY BECOME AVAILABLE BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION, INCLUDING INFORMATION RELATING TO THE PARTICIPANTS IN SUCH PROXY SOLICITATION. WHEN COMPLETED, A DEFINITIVE PROXY STATEMENT AND A FORM OF PROXY WILL BE MAILED TO STOCKHOLDERS OF THE CLOROX COMPANY AND WILL ALSO BE AVAILABLE AT NO CHARGE AT THE SECURITIES AND EXCHANGE COMMISSION S WEBSITE AT HTTP://WWW.SEC.GOV.

Item 7. Material to be Filed as Exhibits

1. The Notification Letter

SIGNATURE

After reasonable inquiry and to the best of each of the undersigned knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

Dated: August 19, 2011

ICAHN PARTNERS MASTER FUND LP

ICAHN PARTNERS MASTER FUND II LP

ICAHN PARTNERS MASTER FUND III LP

ICAHN OFFSHORE LP

ICAHN PARTNERS LP

ICAHN ONSHORE LP

BECKTON CORP.

HOPPER INVESTMENTS LLC

BARBERRY CORP.

HIGH RIVER LIMITED PARTNERSHIP

- By: Hopper Investments LLC, general partner
- By: /s/ Edward E. Mattner
- Name: Edward E. Mattner
- Title: Authorized Signatory

ICAHN CAPITAL LP

- By: IPH GP LLC, its general partner
- By: Icahn Enterprises Holdings L.P., its sole member
- By: Icahn Enterprises G.P. Inc., its general partner
- IPH GP LLC
 - By: Icahn Enterprises Holdings L.P., its sole member
 - By: Icahn Enterprises G.P. Inc., its general partner

ICAHN ENTERPRISES HOLDINGS L.P.

By: Icahn Enterprises G.P. Inc., its general partner

ICAHN ENTERPRISES G.P. INC.

- By: /s/ Dominick Ragone
 - Name: Dominick Ragone Title: Chief Financial Officer

/s/ Carl C. Icahn CARL C. ICAHN