STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *

MATSCHULLAT ROBERT W
1221 BROADWAY
OAKLAND, CA 94612-1888

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [ CLX ]

3. Date of Earliest Transaction (MM/DD/YYYY)

12/31/2014

5. Relationship of Reporting Person(s) to Issuer (Check all applicable)

__ Director

____ 10% Owner

_____ Officer (give title below)

_____ Other (specify below)

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>Deemed Execution Date, if any</th>
<th>Trans. Code</th>
<th>Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>1/2/2014</td>
<td></td>
<td>A (2)</td>
<td>V 559.9687</td>
<td>$0.0000</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>2/2/2014</td>
<td></td>
<td>A (2)</td>
<td>V 561.9300</td>
<td>$0.0000</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>3/2/2014</td>
<td></td>
<td>A (2)</td>
<td>V 592.1100</td>
<td>$0.0000</td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>4/2/2014</td>
<td></td>
<td>A (2)</td>
<td>V 526.2900</td>
<td>$0.0000</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Title of Derivate Security (Instr. 3)</th>
<th>Conversion or Exercise Price of Derivative Security</th>
<th>Trans. Date</th>
<th>Deemed Execution Date, if any</th>
<th>Trans. Code (Instr. 8)</th>
<th>Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)</th>
<th>Price of Derivative Security (Instr. 5)</th>
<th>Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)</th>
<th>Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>1/2/2014</td>
<td></td>
<td></td>
<td>A (2)</td>
<td>V 559.9687</td>
<td>559.9687</td>
<td>$0.0000</td>
<td>Common Stock</td>
<td>70051.2963</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
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<td></td>
<td></td>
<td>A (2)</td>
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<td>561.9300</td>
<td>$0.0000</td>
<td>Common Stock</td>
<td>70613.2263</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>3/2/2014</td>
<td></td>
<td></td>
<td>A (2)</td>
<td>V 592.1100</td>
<td>592.1100</td>
<td>$0.0000</td>
<td>Common Stock</td>
<td>71205.3363</td>
<td>D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>4/2/2014</td>
<td></td>
<td></td>
<td>A (2)</td>
<td>V 526.2900</td>
<td>526.2900</td>
<td>$0.0000</td>
<td>Common Stock</td>
<td>71731.6263</td>
<td>D</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Explanation of Responses:

(1) 1-for-1

(2) Deferred Stock Units acquired through dividend reinvestment during the fiscal year pursuant to the Independent Directors' Deferred Compensation Plan.

(3) The Deferred Stock Units will be settled 100% in Clorox stock in connection with the reporting person's retirement or other termination of service as a Director.

(4) Annual award of Deferred Stock Units pursuant to the 2005 Stock Incentive Plan.

Reporting Owners
MATSCHULLAT ROBERT W
1221 BROADWAY
OAKLAND, CA 94612-1888

Signatures
By Angela Hilt, Attorney-in-Fact for 1/5/2015

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.
* If the form is filed by more than one reporting person, see Instruction 4(b)(v).
Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.
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