STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(f) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *
   Carmona Richard H
   1221 BROADWAY
   OAKLAND, CA 94612-1888

2. Issuer Name and Ticker or Trading Symbol
   CLOROX CO /DE/ [ CLX ]

5. Relationship of Reporting Person(s) to Issuer
   __ X __ Director
   _____ 10% Owner
   _____ Officer (give title below)
   _____ Other (specify below)

12/31/2010

4. If Amendment, Date Original Filed

6. Individual or Joint/Group Filing (Check Applicable Line)
   _ X _ Form filed by One Reporting Person
   ___ Form filed by More than One Reporting Person

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>1A. Trans. Date</th>
<th>2A. Deemed Execution Date, if any</th>
<th>3. Trans. Code (Instr. 8)</th>
<th>4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)</th>
<th>5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)</th>
<th>6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)</th>
<th>7. Nature of Indirect Beneficial Ownership (Instr. 4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>2/12/2010</td>
<td></td>
<td>A (2)</td>
<td>41.7000</td>
<td>(3) (3) Common Stock 41.7000 $0.0000 4991.6900 D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>5/14/2010</td>
<td></td>
<td>A (2)</td>
<td>39.1600</td>
<td>(3) (3) Common Stock 39.1600 $0.0000 5030.8500 D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>8/13/2010</td>
<td></td>
<td>A (2)</td>
<td>188.2300</td>
<td>(3) (3) Common Stock 188.2300 $0.0000 5219.0800 D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>11/12/2010</td>
<td></td>
<td>A (2)</td>
<td>43.9300</td>
<td>(3) (3) Common Stock 43.9300 $0.0000 5216.0100 D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Deferred Stock Units</td>
<td>12/31/2010</td>
<td></td>
<td>A (4)</td>
<td>1788.9400</td>
<td>(3) (3) Common Stock 1788.9400 $0.0000 7051.9500 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

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carmona Richard H</td>
<td></td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>Director X</td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td>10% Owner X</td>
</tr>
</tbody>
</table>

Signatures

By Angela Hilt, Attorney-in-Fact for 1/4/2011

** Signature of Reporting Person

Date

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.

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.