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 *

HEINRICH DANIEL J

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)

8/18/2009

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

_____ Director

_____ 10% Owner

_ X _ Officer (give title below)

_____ Other (specify below)

EVP-Chief Financial Officer

4. If Amendment, Date Original Filed (MM/DD/YYYY)

6. Individual or Joint/Group Filing (Check Applicable Line)

_ X _ Form filed by One Reporting Person

_ X _ Form filed by More than One Reporting Person

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

<table>
<thead>
<tr>
<th>Title of Security</th>
<th>Trans. Date</th>
<th>Trans. Code</th>
<th>Amount Acquired (A) or Disposed of (D)</th>
<th>Amount Beneficially Owned Following Reported Transaction(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>8/18/2009</td>
<td>A</td>
<td>11550 A $57.2 37695.038</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td>8/18/2009</td>
<td>F</td>
<td>167 D $57.2 37528.038</td>
<td>D</td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>166.43 I By ERIP</td>
<td></td>
</tr>
<tr>
<td>Common Stock</td>
<td></td>
<td></td>
<td>1000 I By IRA</td>
<td></td>
</tr>
</tbody>
</table>

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

| Title of Derivative Security | Conversion or Exercise Price of Derivative Security | Trans. Date | Trans. Code | Number of Derivative Securities Acquired (A) or Disposed of (D) | Date Exercisable and Expiration Date | Title and Amount of Securities Underlying Derivative Security | Price of Derivative Security | Number of derivative Securities Beneficially Owned Following Reported Transaction(s) | Ownership Form of Derivative Security (Instr. 5) | Ownership Form of Derivative Security (Instr. 4) | Nature of Indirect Beneficial Ownership (Instr. 4) |
|------------------------------|----------------------------------------------------|-------------|-------------|---------------------------------------------------------------|--------------------------------------|----------------------------------------------------------|---------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
|                              |                                                   |             |             |                                                              |                                      |                                          |                                 |                                                                                     |                                                                                       |                                                                                        |

Explanation of Responses:

(1) Settlement of 2006 Performance Unit Grant that vested 8/18/09, which the reporting person has elected to defer pursuant to the 2005 Stock Incentive Plan.

(2) Withholding of stock to pay certain taxes under the Company's Stock Withholding Arrangement.

Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>HEINRICH DANIEL J</td>
<td>Director</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>10% Owner</td>
</tr>
<tr>
<td>OAKLAND, CA 94612-1888</td>
<td>EVP-Chief Financial Officer</td>
</tr>
</tbody>
</table>

Signatures
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.