FORM 5

[ ] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).
[ ] Form 3 Holdings Reported
[ ] Form 4 Transactions Reported

UNITED STATES SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

ANNUAL 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 *

MATSCHULLAT ROBERT W

1221 BROADWAY

OAKLAND, CA 94612

2. Issuer Name and Ticker or Trading Symbol

CLOROX CO /DE/ [CLX]

3. Statement for Issuer's Fiscal Year Ended (MM/DD/YYYY)

6/30/2004

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

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

___ X __ Director

___ 10% Owner

___ Officer (give title below)

___ Other (specify below)

5. Amount of Securities Beneficially Owned Following Reported Transaction(s)

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

___ X, Form Filed by One Reporting Person

___ Form Filed by More than One Reporting Person

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

<table>
<thead>
<tr>
<th>Security</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Shares</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Common Stock</td>
<td>9/30/2004</td>
<td>12/31/2004</td>
<td>2,648.00</td>
<td>$53.78</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Security</th>
<th>Date Exercisable</th>
<th>Expiration Date</th>
<th>Shares</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deferred Stock Units</td>
<td>9/30/2004</td>
<td>12/31/2004</td>
<td>2,648.00</td>
<td>$53.78</td>
</tr>
</tbody>
</table>

*Form Filed by Multiple Reporting Persons

Expiration Date

Expires: January 31, 2005

OMB Number: 3235-0362

Estimated average burden hours per response... 1.0
### Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Director Stock Option (Right to Buy) - 03AT</td>
<td>$42.65</td>
<td>7/1/2005 (5)</td>
<td></td>
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<td></td>
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</tbody>
</table>

#### Explanation of Responses:

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

(2) The Deferred Stock Units accrued pursuant to the Independent Directors' Stock-Based Compensation Plan will be settled 100% in Clorox stock upon the reporting person's retirement or other termination of service as a Director.

(3) Receipt of Deferred Stock Units in lieu of receipt of quarterly director's fee pursuant to the Independent Directors' Stock-Based Compensation Plan.

(4) Annual $10,000 award of Deferred Stock Units pursuant to the Independent Directors' Compensation Plan.

(5) Option exercisable in 3 equal installments - 1/3 on each of the first, second and third anniversaries of the grant date.

#### Reporting Owners

<table>
<thead>
<tr>
<th>Reporting Owner Name / Address</th>
<th>Relationships</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATSCHULLAT ROBERT W</td>
<td>Director</td>
</tr>
<tr>
<td>1221 BROADWAY</td>
<td>10% Owner</td>
</tr>
<tr>
<td>OAKLAND, CA 946121888</td>
<td>Officer</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
</tbody>
</table>

#### Signatures

By: Patrick M. Meehan, Assistant General Counsel  
8/16/2004

** Signature of Reporting Person  
Date **