Supplementary Materials

<table>
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Multiple Comparisons for Tejaswani Chilli Variety

**Dependent Variable: LSD**

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<th>Std. Error</th>
<th>Sig.</th>
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### Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** LSD

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<th>Std. Error</th>
<th>Sig.</th>
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**Based on observed means.**

The error term is Mean Square(Error) = 5.193.

* The mean difference is significant at the 0.05 level.

### Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** LSD

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**Based on observed means.**

The error term is Mean Square(Error) = 12.917.

* The mean difference is significant at the 0.05 level.

### Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** LSD

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**Based on observed means.**

The error term is Mean Square(Error) = 11.011.

* The mean difference is significant at the 0.05 level.

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*Based on observed means.*
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Based on observed means.
The error term is Mean Square(Error) = 6.963.
* The mean difference is significant at the 0.05 level.

Based on observed means.
The error term is Mean Square(Error) = 7.196.
* The mean difference is significant at the 0.05 level.

Based on observed means.
The error term is Mean Square(Error) = 10.830.
* The mean difference is significant at the 0.05 level.
Table S2. Total Carotenoid content.

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Multiple Comparisons for Tejaswani Chilli Variety

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<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
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Based on observed means.

The error term is Mean Square(Error) = 107.250.
* The mean difference is significant at the 0.05 level.

**Multiple Comparisons for Bullet Chilli Variety**

**Dependent Variable:** LSD

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<th>(I) VAR00001</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
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**Multiple Comparisons for Bullet Chilli Variety**

**Dependent Variable:** LSD

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Based on observed means.

The error term is Mean Square(Error) = 241.000.
* The mean difference is significant at the 0.05 level.

**Multiple Comparisons for Bullet Chilli Variety**

**Dependent Variable:** LSD

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Based on observed means.

The error term is Mean Square(Error) = 520.333.
* The mean difference is significant at the 0.05 level.
Based on observed means.
The error term is Mean Square(Error) = 117.750.
* The mean difference is significant at the 0.05 level.

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Based on observed means.
The error term is Mean Square(Error) = 85.833.
* The mean difference is significant at the 0.05 level.

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Based on observed means.
The error term is Mean Square(Error) = 692.250.
* The mean difference is significant at the 0.05 level.
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### ANOVA 3 Days

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### Multiple Comparisons for Tejaswani Chilli Variety

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### Multiple Comparisons for Tejaswani Chilli Variety

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### ANOVA 7 Days

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Multiple Comparisons for Bullet Chilli Variety

Based on observed means.
The error term is Mean Square(Error) = 73.820.
* The mean difference is significant at the 0.05 level.

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LSD

(i) VAR00001

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Multiple Comparisons for Bullet Chilli Variety

Based on observed means.
The error term is Mean Square(Error) = 73.820.
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Multiple Comparisons for Bullet Chilli Variety

Based on observed means.
The error term is Mean Square(Error) = 73.820.
* The mean difference is significant at the 0.05 level.

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* The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 39.500.

The error term is Mean Square(Error) = 47.750.

The error term is Mean Square(Error) = 21.250.
Table 4. Total Reducing Sugar content.

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**Multiple Comparisons for Tejaswani Chilli Variety**

**Dependent Variable:**

LSD

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**Multiple Comparisons for Tejaswani Chilli Variety**

**Dependent Variable:**

LSD

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Based on observed means. The error term is Mean Square(Error) = 0.002.

* The mean difference is significant at the 0.05 level.

**Multiple Comparisons for Bullet Chilli Variety**

Dependent Variable: LSD

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Based on observed means. The error term is Mean Square(Error) = 0.003.

* The mean difference is significant at the 0.05 level.

**Multiple Comparisons for Bullet Chilli Variety**

Dependent Variable: LSD

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<th>Control</th>
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Based on observed means.
The error term is $\text{Mean Square(Error)} = 0.002$.

* The mean difference is significant at the 0.05 level.
Table S5. Changes of total O2 content.

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Multiple Comparisons for Tejaswani Chilli Variety

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<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
</tr>
<tr>
<td>AgNO3</td>
<td>.4943</td>
<td>0.017</td>
<td>0.000</td>
<td>0.453</td>
</tr>
<tr>
<td>Control</td>
<td>.3883</td>
<td>0.017</td>
<td>0.000</td>
<td>0.347</td>
</tr>
<tr>
<td>H2O2</td>
<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>0.216</td>
</tr>
</tbody>
</table>

Multiple Comparisons for Bullet Chilli Variety

<table>
<thead>
<tr>
<th>LSD</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
<th>Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>O3</td>
<td>.1310</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
<tr>
<td>Control</td>
<td>.3883</td>
<td>0.017</td>
<td>0.000</td>
<td>0.216</td>
<td>0.297</td>
<td>0.297</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.000.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

<table>
<thead>
<tr>
<th>LSD</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
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<tr>
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<td>.1310</td>
<td>0.017</td>
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<td>-0.29</td>
<td>-0.21</td>
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</tr>
<tr>
<td>Control</td>
<td>.3883</td>
<td>0.017</td>
<td>0.000</td>
<td>0.216</td>
<td>0.297</td>
<td>0.297</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.000.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

<table>
<thead>
<tr>
<th>LSD</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
<th>Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>O3</td>
<td>.1310</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
<tr>
<td>Control</td>
<td>.3883</td>
<td>0.017</td>
<td>0.000</td>
<td>0.216</td>
<td>0.297</td>
<td>0.297</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.000.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD

<table>
<thead>
<tr>
<th>LSD</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
<th>Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>O3</td>
<td>.1310</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
<tr>
<td>Control</td>
<td>.3883</td>
<td>0.017</td>
<td>0.000</td>
<td>0.216</td>
<td>0.297</td>
<td>0.297</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-2.573</td>
<td>0.017</td>
<td>0.000</td>
<td>-0.29</td>
<td>-0.21</td>
<td>0.21</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.000.

Multiple Comparisons for Bullet Chilli Variety

Dependent Variable:

LSD
Based on observed means.

The error term is Mean Square(Error) = .001.

* The mean difference is significant at the 0.05 level.

---

<table>
<thead>
<tr>
<th></th>
<th>Putrescine</th>
<th>AgNO₃</th>
<th>Control</th>
<th>H₂O₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Putrescine</td>
<td>-0.3123</td>
<td>0.019</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>AgNO₃</td>
<td>-0.1033</td>
<td>0.019</td>
<td>0.001</td>
<td>0.001</td>
</tr>
<tr>
<td>Control</td>
<td>0.3123</td>
<td>0.019</td>
<td>0.000</td>
<td>0.000</td>
</tr>
<tr>
<td>H₂O₂</td>
<td>0.3123</td>
<td>0.019</td>
<td>0.000</td>
<td>0.000</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.001.

* The mean difference is significant at the 0.05 level.

---

<table>
<thead>
<tr>
<th></th>
<th>Putrescine</th>
<th>AgNO₃</th>
<th>Control</th>
<th>H₂O₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Putrescine</td>
<td>-0.1000</td>
<td>0.024</td>
<td>0.004</td>
<td>-0.04</td>
</tr>
<tr>
<td>AgNO₃</td>
<td>-0.4630</td>
<td>0.024</td>
<td>0.000</td>
<td>-0.40</td>
</tr>
<tr>
<td>Control</td>
<td>-0.036</td>
<td>0.024</td>
<td>0.184</td>
<td>-0.09</td>
</tr>
<tr>
<td>H₂O₂</td>
<td>-0.1000</td>
<td>0.024</td>
<td>0.004</td>
<td>-0.04</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 0.001.

* The mean difference is significant at the 0.05 level.

---

<table>
<thead>
<tr>
<th></th>
<th>Putrescine</th>
<th>AgNO₃</th>
<th>Control</th>
<th>H₂O₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Putrescine</td>
<td>0.0000</td>
<td>0.001</td>
<td>1.000</td>
<td>-0.00</td>
</tr>
<tr>
<td>AgNO₃</td>
<td>-0.0090</td>
<td>0.001</td>
<td>0.001</td>
<td>-0.01</td>
</tr>
<tr>
<td>Control</td>
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<td>0.001</td>
<td>0.000</td>
<td>-0.07</td>
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<tr>
<td>H₂O₂</td>
<td>0.0000</td>
<td>0.001</td>
<td>1.000</td>
<td>-0.00</td>
</tr>
</tbody>
</table>

Based on observed means.

The error term is Mean Square(Error) = 4.304E-6.

* The mean difference is significant at the 0.05 level.
### Table S6. Changes of total MDA content.

#### ANOVA

<table>
<thead>
<tr>
<th>Source of Variation</th>
<th>3 Days</th>
<th>5 Days</th>
<th>7 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ANOVA</strong></td>
<td><strong>ANOVA</strong></td>
<td><strong>ANOVA</strong></td>
<td><strong>ANOVA</strong></td>
</tr>
<tr>
<td>SS</td>
<td>df</td>
<td>MS</td>
<td>F</td>
</tr>
<tr>
<td>Variety</td>
<td>2.4E-07</td>
<td>7</td>
<td>4.493</td>
</tr>
<tr>
<td>Treatments</td>
<td>5.43E-05</td>
<td>3</td>
<td>998</td>
</tr>
<tr>
<td>Interaction</td>
<td>2.7E-07</td>
<td>3</td>
<td>872</td>
</tr>
<tr>
<td>Within</td>
<td>7.64E-07</td>
<td>16</td>
<td>872</td>
</tr>
<tr>
<td>Total</td>
<td>5.55E-05</td>
<td>23</td>
<td></td>
</tr>
</tbody>
</table>

#### Multiple Comparisons for Tejaswani Chilli Variety

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3</td>
<td>-.0020</td>
<td>.0001</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (H2O2)</td>
<td>-.0020</td>
<td>.0004</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (Putrescine)</td>
<td>-.0020</td>
<td>.0004</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Control</td>
<td>-.0020</td>
<td>.0004</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>H2O2</td>
<td>-.0020</td>
<td>.0004</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-.0020</td>
<td>.0004</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
</tbody>
</table>

#### Multiple Comparisons for Tejaswani Chilli Variety

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3</td>
<td>-.0010</td>
<td>.0002</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (H2O2)</td>
<td>-.0010</td>
<td>.0002</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (Putrescine)</td>
<td>-.0010</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Control</td>
<td>-.0010</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>H2O2</td>
<td>-.0010</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-.0010</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
</tbody>
</table>

#### Multiple Comparisons for Tejaswani Chilli Variety

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3</td>
<td>-.0050</td>
<td>.0002</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (H2O2)</td>
<td>-.0050</td>
<td>.0002</td>
<td>.04</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>AgNO3 (Putrescine)</td>
<td>-.0050</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Control</td>
<td>-.0050</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>H2O2</td>
<td>-.0050</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-.0050</td>
<td>.0002</td>
<td>.16</td>
<td>-0.006 - 0.002</td>
</tr>
</tbody>
</table>
## Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** Putrescine

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>LSD</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2O2</td>
<td>-0.0010†</td>
<td>-0.0000 to 0.0002</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-0.0010†</td>
<td>-0.0000 to 0.0002</td>
</tr>
<tr>
<td>Control</td>
<td>-0.0015†</td>
<td>-0.0000 to 0.0004</td>
</tr>
</tbody>
</table>

*Based on observed means.

The error term is Mean Square(Error) = 5.203E-8.

† The mean difference is significant at the 0.05 level.

---

## Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** AgNO3

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>LSD</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>H2O2</td>
<td>0.0000</td>
<td>-0.0004 to 0.0004</td>
</tr>
<tr>
<td>Putrescine</td>
<td>0.0003</td>
<td>-0.0010 to 0.0001</td>
</tr>
<tr>
<td>Control</td>
<td>-0.0002</td>
<td>-0.0006 to 0.0002</td>
</tr>
</tbody>
</table>

*Based on observed means.

The error term is Mean Square(Error) = 7.625E-8.

† The mean difference is significant at the 0.05 level.

---

## Multiple Comparisons for Bullet Chilli Variety

**Dependent Variable:** NO

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>LSD</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
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<tr>
<td>H2O2</td>
<td>0.0000</td>
<td>-0.0004 to 0.0004</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-0.0020†</td>
<td>-0.0024 to -0.0016</td>
</tr>
<tr>
<td>Control</td>
<td>-0.0015†</td>
<td>-0.0020 to -0.0011</td>
</tr>
</tbody>
</table>

*Based on observed means.

The error term is Mean Square(Error) = 4.500E-8.

† The mean difference is significant at the 0.05 level.
<table>
<thead>
<tr>
<th></th>
<th>H2O2</th>
<th>Putrescine</th>
<th>AgNO3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>H2O2</strong></td>
<td>-0.020 0.000 0.000 -0.00 24 -0.00 16</td>
<td>-0.0045 0.000 0.000 -0.00 49 -0.00 41</td>
<td>-0.000 0.000 0.000 -0.00 0.000 0.000</td>
</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AgNO3</strong></td>
<td>-0.000 0.000 0.141 -0.00 07 0.000 1</td>
<td>-0.002 0.000 0.000 0.001 6 0.002 4</td>
<td>-0.001 0.000 0.000 -0.00 0.000 0.000</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td>0.000 0.000 0.000 0.001 6 0.002 4</td>
<td>0.000 0.000 0.000 0.001 6 0.002 4</td>
<td>0.000 0.000 0.000 0.001 6 0.002 4</td>
</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AgNO3</strong></td>
<td>-0.020 0.000 0.000 -0.00 29 -0.00 21</td>
<td>-0.0025 0.000 0.000 -0.00 29 -0.00 21</td>
<td>-0.002 0.000 0.000 -0.00 0.000 0.000</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>AgNO3</strong></td>
<td>0.002 0.000 0.000 0.001 8 0.002 6</td>
<td>0.0045 0.000 0.000 0.004 1 0.004 9</td>
<td>0.0045 0.000 0.000 0.004 1 0.004 9</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H2O2</strong></td>
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</tbody>
</table>

Based on observed means. The error term is Mean Square/Error = 5.046E-8. *The mean difference is significant at the 0.05 level.
Table S7. Changes of total phenolic content.

<table>
<thead>
<tr>
<th>ANOVA</th>
<th>3 Days</th>
<th>ANOVA</th>
<th>5 Days</th>
<th>ANOVA</th>
<th>7 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source of Variation</td>
<td>SS</td>
<td>df</td>
<td>MS</td>
<td>F</td>
<td>P-val</td>
</tr>
<tr>
<td>Variety</td>
<td>0.0274</td>
<td>1</td>
<td>0.037</td>
<td>12.61</td>
<td>0.002</td>
</tr>
<tr>
<td>Treatments</td>
<td>0.5869</td>
<td>3</td>
<td>0.195</td>
<td>65.93</td>
<td>3.17</td>
</tr>
<tr>
<td>Interaction</td>
<td>0.8334</td>
<td>3</td>
<td>0.277</td>
<td>93.62</td>
<td>2.32</td>
</tr>
<tr>
<td>Within</td>
<td>0.0474</td>
<td>16</td>
<td>0.002</td>
<td>967</td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>1.5053</td>
<td>23</td>
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<td></td>
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</tbody>
</table>

Multiple Comparisons for Tejaswani Chilli Variety
Dependent Variable: LSD

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3 H2O2</td>
<td>-0.035</td>
<td>0.045</td>
<td>0.466</td>
<td>-0.14</td>
<td>0.070</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-0.526</td>
<td>0.045</td>
<td>0.001</td>
<td>-0.63</td>
<td>-0.12</td>
</tr>
<tr>
<td>AgN O3</td>
<td>0.035</td>
<td>0.045</td>
<td>0.466</td>
<td>0.007</td>
<td>0.140</td>
</tr>
<tr>
<td>Control</td>
<td>-1.990</td>
<td>0.045</td>
<td>0.002</td>
<td>-0.30</td>
<td>-0.09</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-0.910</td>
<td>0.045</td>
<td>0.000</td>
<td>-0.59</td>
<td>-0.38</td>
</tr>
<tr>
<td>H2O2 AgN</td>
<td>0.234</td>
<td>0.045</td>
<td>0.001</td>
<td>0.128</td>
<td>0.339</td>
</tr>
</tbody>
</table>

Multiple Comparisons for Tejaswani Chilli Variety
Dependent Variable: LSD

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3 H2O2</td>
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<td>0.038</td>
<td>0.000</td>
<td>-0.32</td>
<td>-0.15</td>
</tr>
<tr>
<td>Putrescine</td>
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<td>0.038</td>
<td>0.000</td>
<td>-0.26</td>
<td>-0.09</td>
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<tr>
<td>AgN O3</td>
<td>0.241</td>
<td>0.038</td>
<td>0.000</td>
<td>0.152</td>
<td>0.329</td>
</tr>
<tr>
<td>Control</td>
<td>-0.062</td>
<td>0.038</td>
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<tr>
<td>H2O2 AgN</td>
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<td>0.000</td>
<td>-0.86</td>
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</table>

Multiple Comparisons for Tejaswani Chilli Variety
Dependent Variable: LSD

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3 H2O2</td>
<td>0.794</td>
<td>0.085</td>
<td>0.000</td>
<td>0.597</td>
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<tr>
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</tr>
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<td>0.086</td>
<td>-0.81</td>
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<tr>
<td>(I) Treatment</td>
<td>Mean Difference (I-J)</td>
<td>Std. Error</td>
<td>Sig.</td>
<td>95% Confidence Interval Lower Bound</td>
<td>95% Confidence Interval Upper Bound</td>
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<td>Control</td>
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<td></td>
</tr>
<tr>
<td>AgNO3</td>
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<td>0.001</td>
<td>-0.330</td>
<td>-0.130</td>
</tr>
<tr>
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<td>0.043</td>
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<td>-0.520</td>
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<td>0.3370</td>
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<td>H2O2</td>
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<td>0.000</td>
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<td>-0.280</td>
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<td>0.5270</td>
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<td>0.6310</td>
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<td>0.000</td>
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<td>-0.180</td>
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<tr>
<td>Control</td>
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<td>0.045</td>
<td>0.000</td>
<td>-0.680</td>
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<td>AgNO3</td>
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<td>0.1860</td>
<td>0.3970</td>
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<tr>
<td>H2O2</td>
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<td>0.000</td>
<td>-0.240</td>
<td>-0.060</td>
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**Multiple Comparisons for Bullet Chilli Variety**

Dependent Variable: LSD

Based on observed means.

The error term is Mean Square(Error) = 0.003.

* The mean difference is significant at the 0.05 level.
<table>
<thead>
<tr>
<th>Putrescine</th>
<th>AgNO&lt;sub&gt;3&lt;/sub&gt;</th>
<th>Control</th>
<th>H&lt;sub&gt;2&lt;/sub&gt;O&lt;sub&gt;2&lt;/sub&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Putrescine</td>
<td>0.7010*</td>
<td>0.043</td>
<td>0.000</td>
</tr>
<tr>
<td>AgNO&lt;sub&gt;3&lt;/sub&gt;</td>
<td>-0.074</td>
<td>0.043</td>
<td>0.125</td>
</tr>
<tr>
<td>Control</td>
<td>-0.3120</td>
<td>0.043</td>
<td>0.000</td>
</tr>
<tr>
<td>H2O2</td>
<td>-0.7010</td>
<td>0.043</td>
<td>0.000</td>
</tr>
<tr>
<td>Putrescine</td>
<td>0.1820*</td>
<td>0.026</td>
<td>0.000</td>
</tr>
<tr>
<td>AgNO&lt;sub&gt;3&lt;/sub&gt;</td>
<td>-0.1520*</td>
<td>0.026</td>
<td>0.000</td>
</tr>
<tr>
<td>Control</td>
<td>-1.0100*</td>
<td>0.026</td>
<td>0.006</td>
</tr>
<tr>
<td>H2O2</td>
<td>-0.1820*</td>
<td>0.026</td>
<td>0.000</td>
</tr>
<tr>
<td>Putrescine</td>
<td>-0.3000*</td>
<td>0.077</td>
<td>0.005</td>
</tr>
<tr>
<td>AgNO&lt;sub&gt;3&lt;/sub&gt;</td>
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<td>0.000</td>
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<td>Control</td>
<td>-0.6500*</td>
<td>0.077</td>
<td>0.000</td>
</tr>
<tr>
<td>H2O2</td>
<td>0.3000*</td>
<td>0.077</td>
<td>0.005</td>
</tr>
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</table>

The error term is Mean Square(Error) = 0.003. The mean difference is significant at the 0.05 level.

* The mean difference is significant at the 0.05 level.
Table S8. Changes of total Flavonoid Content.

<table>
<thead>
<tr>
<th>Source of Variation</th>
<th>3 Days</th>
<th>5 Days</th>
<th>7 Days</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SS</td>
<td>df</td>
<td>MS</td>
</tr>
<tr>
<td>Variety</td>
<td>3.2989</td>
<td>34</td>
<td>3.298</td>
</tr>
<tr>
<td>Treatments</td>
<td>0.1159</td>
<td>5</td>
<td>0.038</td>
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<tr>
<td>Interaction</td>
<td>0.3919</td>
<td>3</td>
<td>0.130</td>
</tr>
<tr>
<td>Within</td>
<td>0.0554</td>
<td>96</td>
<td>0.003</td>
</tr>
<tr>
<td>Total</td>
<td>3.8623</td>
<td>23</td>
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</tbody>
</table>

Multiple Comparisons for Tejaswani Chilli Variety

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval Lower Bound</th>
<th>Upper Bound</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3</td>
<td>-1.90</td>
<td>0.027</td>
<td>0.000</td>
<td>-0.25</td>
<td>-0.12</td>
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<tr>
<td>H2O2</td>
<td>-0.02</td>
<td>0.027</td>
<td>0.087</td>
<td>0.25</td>
<td>-0.04</td>
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<tr>
<td>Putrescine</td>
<td>-0.07</td>
<td>0.027</td>
<td>0.004</td>
<td>0.17</td>
<td>0.25</td>
</tr>
</tbody>
</table>
Based on observed means.

* The mean difference is significant at the 0.05 level.

**Multiple Comparisons for Bullet Chilli Variety**

**Dependent Variable:**

<table>
<thead>
<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
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<td><strong>LSD</strong></td>
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<td></td>
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</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>H2O2</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>O3</strong></td>
<td>0.0580</td>
<td>0.060</td>
<td>0.366</td>
<td>-0.08 ± 0.197</td>
</tr>
<tr>
<td><strong>AgNO3</strong></td>
<td>-0.058</td>
<td>0.060</td>
<td>0.366</td>
<td>-0.19 ± 0.081</td>
</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td>-1.710</td>
<td>0.060</td>
<td>0.022</td>
<td>-0.31 ± 0.03</td>
</tr>
<tr>
<td><strong>H2O2</strong></td>
<td>-2.220</td>
<td>0.060</td>
<td>0.005</td>
<td>-0.36 ± 0.08</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>O3</strong></td>
<td>0.0500</td>
<td>0.044</td>
<td>0.293</td>
<td>-0.15 ± 0.052</td>
</tr>
<tr>
<td><strong>AgNO3</strong></td>
<td>-0.0800</td>
<td>0.044</td>
<td>0.106</td>
<td>-0.18 ± 0.021</td>
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<tr>
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<td>0.000</td>
<td>0.267 ± 0.472</td>
</tr>
<tr>
<td><strong>H2O2</strong></td>
<td>-4.197</td>
<td>0.044</td>
<td>0.000</td>
<td>0.317 ± 0.522</td>
</tr>
<tr>
<td><strong>Control</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>O3</strong></td>
<td>0.0500</td>
<td>0.044</td>
<td>0.293</td>
<td>-0.05 ± 0.152</td>
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<tr>
<td><strong>AgNO3</strong></td>
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<td>0.505</td>
<td>-0.13 ± 0.071</td>
</tr>
<tr>
<td><strong>Putrescine</strong></td>
<td>-4.197</td>
<td>0.044</td>
<td>0.000</td>
<td>0.317 ± 0.522</td>
</tr>
<tr>
<td><strong>H2O2</strong></td>
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<td>0.044</td>
<td>0.000</td>
<td>0.527 ± 0.670</td>
</tr>
<tr>
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</tr>
<tr>
<td><strong>O3</strong></td>
<td>0.0500</td>
<td>0.044</td>
<td>0.293</td>
<td>-0.02 ± 0.183</td>
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<tr>
<td><strong>AgNO3</strong></td>
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<td>-0.07 ± 0.133</td>
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<tr>
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<td>0.000</td>
<td>0.51 ± 0.373</td>
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<tr>
<td><strong>H2O2</strong></td>
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<td>0.044</td>
<td>0.000</td>
<td>0.51 ± 0.373</td>
</tr>
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<td>Putrescine</td>
<td>AgN₃</td>
<td>Control</td>
<td>H₂O₂</td>
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<tr>
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<td>---------</td>
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<td>0.13</td>
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| *     | The mean difference is significant at the 0.05 level.

The error term is Mean Square(Error) = 0.006.

Based on observed means.
Table S9. Assay of Pectin Methylesterase.

<table>
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<th>3 Days</th>
<th></th>
<th></th>
<th>5 Days</th>
<th></th>
<th></th>
<th>7 Days</th>
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</thead>
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<tr>
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<td>F</td>
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<td>df</td>
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Multiple Comparisons for Tejaswani Chilli Variety

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<tr>
<th>(I) Treatment</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
<th>Mean Difference (I-J)</th>
<th>Std. Error</th>
<th>Sig.</th>
<th>95% Confidence Interval</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3 Control</td>
<td>-1.200</td>
<td>0.118</td>
<td>0.67</td>
<td>-1.47</td>
<td>0.000</td>
<td>0.095</td>
<td>0.000</td>
<td>-0.80</td>
</tr>
<tr>
<td>H2O2</td>
<td>0.020</td>
<td>0.118</td>
<td>0.67</td>
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<td>0.010</td>
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</tr>
<tr>
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<td>-0.80</td>
</tr>
<tr>
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<td>-0.000</td>
<td>0.954</td>
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<tr>
<td>H2O2</td>
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</tr>
<tr>
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</table>

Plants 2019, 8, x FOR PEER REVIEW
The error term is Mean Square(Error) = 0.021. Based on observed means.

Multiple Comparisons for Bullet Chilli Variety
Dependent Variable: LSD

<table>
<thead>
<tr>
<th>Treatment</th>
<th>LSD</th>
<th>H2O2</th>
<th>Putrescine</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>AgNO3</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>H2O2</td>
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<td>0.118</td>
<td>0.130</td>
<td>-0.47</td>
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<tr>
<td>Control</td>
<td>0.000</td>
<td>0.094</td>
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<tr>
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The error term is Mean Square(Error) = 0.012. Based on observed means.

Multiple Comparisons for Bullet Chilli Variety
Dependent Variable: LSD

<table>
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<th>Putrescine</th>
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<tr>
<td>H2O2</td>
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<tr>
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<td>0.094</td>
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<td>0.000</td>
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<tr>
<td>Putrescine</td>
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<td>0.094</td>
<td>0.900</td>
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<tr>
<td>H2O2</td>
<td>1.0000</td>
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</table>

The error term is Mean Square(Error) = 0.015. Based on observed means.

Multiple Comparisons for Bullet Chilli Variety
Dependent Variable: LSD

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<th>Putrescine</th>
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<td>1.0000</td>
<td>0.118</td>
<td>0.726</td>
<td>0.000</td>
</tr>
</tbody>
</table>

* The mean difference is significant at the 0.05 level.
* The mean difference is significant at the 0.05 level.
* The mean difference is significant at the 0.05 level.
Table S10. Silver Content.

<table>
<thead>
<tr>
<th>Source of Variation</th>
<th>SS</th>
<th>df</th>
<th>MS</th>
<th>F</th>
<th>P-value</th>
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</thead>
<tbody>
<tr>
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<td>1.03E-07</td>
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<td>0.012271</td>
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* The mean difference is significant at the 0.05 level.

Based on observed means.

The error term is Mean Square(Error) = 0.013.