Connecticut Agricultural Experiment Station
New Haven April 24th 1878
Bulletin No. 8:
Fertilizer Analyses

92. Raw Bone - Steptoe Bone Mills, Monroe Conn.
   Birmingham (?) Conn.
95. Pure Ground Bone - New Haven Chemical Co.
96. Ammoniated Superphosphate - New Haven Chemical Co.
100. Soluble Pacific Guano - J.H. Beeckman, Agent.

92 & 93 were sampled by R.E. Hinman April 5th
95, 96, 100 & 101 were sampled by J.G. Webb April 3rd

<table>
<thead>
<tr>
<th></th>
<th>92</th>
<th>93</th>
<th>95</th>
<th>101</th>
<th>96</th>
<th>100</th>
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</thead>
<tbody>
<tr>
<td>Nitrogen</td>
<td>3.63</td>
<td>3.48</td>
<td>3.14</td>
<td>2.90</td>
<td>2.81</td>
<td>1.97</td>
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<tr>
<td>Soluble Phosphoric Acid</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6.27</td>
<td>6.00</td>
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<tr>
<td>Reverted</td>
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<td></td>
<td></td>
<td></td>
<td>2.80</td>
<td>0.90</td>
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<tr>
<td>Insoluble</td>
<td>20.56</td>
<td>18.48</td>
<td>21.60</td>
<td>14.99</td>
<td>2.58</td>
<td>4.17</td>
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<tr>
<td>Potash</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3.42</td>
<td>4.40</td>
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Calculated Value*:

<table>
<thead>
<tr>
<th></th>
<th>$36.65</th>
<th>$33.66</th>
<th>$36.18</th>
<th>$27.56</th>
<th>$40.88</th>
<th>$36.94</th>
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<tbody>
<tr>
<td>Cost</td>
<td>$40.00</td>
<td>$35.00</td>
<td>$36.00</td>
<td>$30.00</td>
<td>$40.00</td>
<td>$45.00</td>
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</tbody>
</table>

* Nitrogen is valued at 16½ cts. and Phosphoric Acid at 6 cts. per lb. The samples being of medium fineness.
97 Sulphate of Potash - New Haven Chemical Co.
103

91 was sampled by Dennis From, Milford, Ct. April 5.
97 & 99 by H. H. East, New Haven April 5.
102 & 103 by Hubert Scovill, Watertown, Ct. April 15.

\[
\begin{align*}
91 & \quad 97 & \quad 99 & \quad 102 & \quad 103 \\
8.37 & \quad 25.31 & \quad 54.52 & \quad 97.00 & \quad 90.32
\end{align*}
\]

Potash
Hydrated Sulphate of Lime (gypsum)

Calculated Value* per ton

Cost**

$12.56$37.96$65.42

$22.00$35.00$50.00$7.00$7.00

* Potash is reckoned per lb. in 91 & 97 at 7½ ct., in 99 at 6ct.
** Potash costs per lb. in 91 about 13½ ct., in 97 7½ ct., in 99 4½ ct.
103 is a good, 10% an unusually good, plaster.

S. W. Johnson
Director