

# Connecticut Agricultural Experiment Station.

New Haven, May 11, 1878.

## Bulletin No. 11.

118 Nitrate of Soda. Guaranteed 95%-96%. H. G. Baker & Co.  
New York. Sampled May 2, by A. B. Baldwin, Waugatch.  
Condition, moist.

|                 |                               |              |
|-----------------|-------------------------------|--------------|
| Nitrogen 15.58% | Equivalent to Nitrate of Soda | 95.50        |
| Moisture        |                               | 3.71         |
| Undetermined    |                               | 0.79         |
|                 |                               | <hr/> 100.00 |

|                  |         |
|------------------|---------|
| Calculated value | \$74.78 |
| Cost             | \$80.00 |

120 No. 1 Peruvian Guano, Shafman & Van Wyck, 170  
Front St. New York, Sampled May 1, by J. N. Bishop, Plainville.

121 Pulverized Bone Refuse from Baking Powder Factory,  
From Bonbrad & Mathewson, Warrenville. Sampled May 2, by  
G. P. Gaylord, Ashford.

122 Q. B. S. Superphosphate (English?) Guaranteed 14.5%  
 Soluble Phos. Acid. W. G. Baker & Co. New York. Sampled  
 April 29, by L. S. Wells, New Britain.

|                         |      |        |       |
|-------------------------|------|--------|-------|
| Nitrogen                | 12.0 | 12.1   | 12.2  |
| Soluble Phosphoric Acid | 8.56 | .06    | None  |
| Reverted "              | 5.62 | .01    | 14.96 |
| Insoluble "             | 5.01 | .80    | .19   |
| Potash                  | 2.98 | 1.53   | .07   |
| Sulphate of Lime        | 2.91 |        |       |
|                         |      | *75.59 |       |

Calculated value \$67.04 \* 3.82 29.09  
 Cost \$50.00 20.00 \*\*29.00

\* Sulphate of lime corresponds to 95.6% gypsum. This at  
 the price of plaster adds \$7 to the above value, making it \$10.82.  
 \*\* In New Britain \$32.50.

XI. Animal Meal for fowls & swine. Manufactured by W. H.  
 Bowker & Co. Boston, Mass. Sold by Leavenworth & Dikeman, Waterbury.  
 Has the appearance of meat & bone that have been subjected to  
 high pressure steam and dried, with admixture of damaged & in  
 part unground maize. Partial analysis gives

|                   |       |
|-------------------|-------|
| Moisture          | 8.44  |
| + Organic matters | 75.83 |
| ** Ash            | 15.23 |

\* Containing Nitrogen 5.13% = Albuminoids 32.06%  
 \*\* " Phosphoric acid 2.92%

This material costs \$3.00 per 100 lbs. Ordinary animal  
 meal and fish scrap containing 35%-60% of albuminoids  
 and suitable for feeding purposes may be had for \$1.50 to  
 \$2.00 per 100 lbs. Corn meal of good quality costs \$1.30  
 per 100 lbs. Cotton seed cake (decorticated) containing 40%  
 albuminoids (30% digestible) and in all respects equal  
 to this meal costs not more than \$1.50 per 100 lbs.

S. W. Johnson - Director