

Connecticut Agricultural Experiment Station.  
New Haven, May 25, 1878.

Bulletin No. 13

Fertilizer Analyses.

116. Forester Potato Fertilizer, Claimed 3.5% Nitrogen, 5.5% Soluble Phos. Acid, 10% Potash. Manufactured by H. G. Baker & Bro. 215 Pearl St. New York.
128. Miapex' Potato Manure, Yille Formula, Claimed 3.7% Nitrogen, 5.97% Phos. Acid, 13.4% Potash. Manufactured by Miapex Formula & Peruvian Guano Co. Sampled Apr. 15, by Moses Sherwood, Greens Farms.
130. Superphosphate Claimed 2.4% Nitrogen, 6% Soluble & Reverted Phos. Acid, 15% Potash. Manufactured by Quinipiac Fertilizer Co. New Haven. Sampled May 11 from lot in transit by H. P. Armstrong.
131. Muriate of Potash
126. Acid Phosphate, Manufactured by New Haven Chemical Co. Sampled May 8, by J. J. Webb, New Haven.
129. Russel Coes Superphosphate, Claimed, 1.65% Nitrogen, 8% Soluble Phos. Acid, 4% Insoluble Phos. Acid.
135. O. Frank Coes Superphosphate, ~~is~~ Claimed 2% - 2.9% Nitrogen, 9% - 12% Phos. Acid. From Osborn & Jolles Naugatuck.
133. Fish Guano.
- 129, 131, 133 are from stock of Southmayd & Gardier, Middletown & were sampled May 7, by R. S. Hubbard of Middletown.
116. was sampled May 3, 135, May 10, by W. S. Baldwin, Naugatuck.

|                    | <u>116</u> | <u>128</u> | <u>130</u> | <u>131</u> |
|--------------------|------------|------------|------------|------------|
| Nitrogen           | 5.65       | 3.67       | 3.08       |            |
| Soluble Phos. Acid | 3.36       | 1.59       | 6.27       |            |
| Reverted .. "      | 4.21       | 2.96       | 1.35       |            |
| Insoluble .. "     | 0.68       | 1.49       | 2.82       |            |
| Potash             | * 11.42    | * 14.82    | 2.66       | 50.79      |

|                          |          |       |       |       |
|--------------------------|----------|-------|-------|-------|
| Calculated Value per ton | \$ 49.23 | 38.67 | 38.37 | 43.17 |
| Cost .. "                | \$ 47.50 | 51.49 | 40.00 | 43.75 |

|                    | <u>126</u> | <u>129</u> | <u>135</u> | <u>133</u> |
|--------------------|------------|------------|------------|------------|
| Nitrogen           |            | 1.69       | 2.66       | 3.47       |
| Soluble Phos. Acid | 7.27       | 2.06       | 8.96       |            |
| Reverted .. "      | 1.06       | 5.20       | 0.21       |            |
| Insoluble .. "     | ** 8.26    | † 11.18    | 4.04       | 5.02       |

|                     |          |       |       |       |
|---------------------|----------|-------|-------|-------|
| Calc. Value per ton | \$ 25.87 | 32.45 | 39.08 | 20.91 |
| Cost .. "           | \$ 30.00 | 38.00 | 45.00 | 38.00 |

\* As muriate, is valued at 4½ cts. per lb. \*\* In Carolina rock is valued at 3½ cts. † Cash in 5 ton lots \$24.00 ‡ In bone ash at 5 cts.

The Station is credibly informed that "Pure Bone Superphosphate", Sample 11†, made by Lombard & Mathewson, (Bulletin No. 10, and "Pulverized Bone" (Sample 12, Bulletin 11) were offered in good faith at what were supposed to be fair prices, and are withdrawn from the market.

S. W. Johnson. Director