

# Connecticut Agricultural Experiment Station.

New Haven, June 1, 1878

## Bulletin No. 14.

### Fertilizer Analyses.

132. Pine Island Guano, Manufactured by Quimiac Fertilizer Co. New Haven. Claimed 4% Nitrogen, 35% soluble & reverted Phos. Acid, 2% Potash. Sampled May 13 by E. H. Jenkins from lot in transit to purchasers.
137. Stockbridge Formula for Bone. Manufactured by W. H. Bowker & Co. Boston, Mass. Claimed 5.75% to 6.50% Nitrogen, 3%-4% soluble Phos. Acid, 6%-8% total Phos. Acid, 7%-8% Potash. Sampled May 22, by Andrews Brothers, Southington.
139. E. F. Cox's Ammoniated Superphosphate from J. B. Barstow & Co. Norwich. Claimed, available Phos. Acid, 9%-11% Nitrogen 2.1%-2.9%. Sampled May 24, by J. B. Barstow & Co.
134. Muriate of Potash from stock of Geo. W. Miller, Middlefield. Sampled May 7, by R. S. Hubbard, Middletown.
138. Muriate of Potash from Mapes Formula & Peruvian Guano Co. New York. Claimed 50% Potash. Sampled May 22, by John S. Kirkham, Newington.
136. Ivory Dust. Sampled May 22, by L. J. Platt, Deep River.
140. Peter Cooper's Pure Bone Dust, from G. H. Glover, Hartford. Sent May 14, by Killingworth Farmers Club.

	132	137	139	134	138	136	140
Nitrogen	4.35	5.89	2.35			1.37	1.41
Soluble Phos. Acid	1.98	2.01	8.60				
Reverted " "	1.65	3.35	.76				
Insoluble " "	1.25	1.32	1.91			12.43	26.50
Potash	*3.29	*6.60		**43.08	**56.17		
Moisture						60.64	

Calculated Value	\$34.01	46.37	34.94	36.62	47.74	22.33	41.62
Cost	\$42.50†	50.00	38.00	45.00†	38.00 †		30.00

\* Potash is valued at  $7\frac{1}{2}$  cts per lb. and evidently too high.

\*\* Potash is valued at  $4\frac{1}{4}$  cts per lb. for 138 potash costs  $5\frac{1}{2}$  cts per lb.

† \$38.00 in N.Y. \$40.00 in Hartford.

‡ As considered worth half as much as bone dust.

S. W. Johnson