

Connecticut Agricultural Experiment Station

New Haven April 24th 1878.

Bulletin No. 8:

Fertilizer Analyses

- 92 Raw Bone - Stepinco Bone Mills, Monroe Conn.
 93 Ground Bone, medium - Lister Bros. N.Y. F. Hallock & Co. Birmingham(?) Conn.
 95 Pure Ground Bone - New Haven Chemical Co.
 101 Lister's Ground Bone - R. B. Bradley & Co. New Haven.
 96 Ammoniated Superphosphate - N. Haven Chemical Co.
 100 Soluble Pacific Guano - J. H. Dockerman Agent

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

	92	93	95	101	96	100
Nitrogen	3.63	3.48	3.11	2.90	2.81	1.97
Soluble Phosphoric Acid	—	—	—	—	6.27	6.00
Reverted " "	—	—	—	—	2.80	0.90
Insoluble " "	2.056	18.48	21.60	14.99	2.58	4.17
Potash	—	—	—	—	3.42	4.40

Calculated Value* \$36.65 \$33.66 \$36.18 \$27.56 \$40.68 \$36.94
 Cost \$40.00 \$35.00 \$36.00 \$30.00 40.00 \$45.00

* Nitrogen is valued at 16 1/2 cts. and Phosphoric Acid at 6 cts. per lb. the samples being of medium fineness.

91 German Potash Salts, - Geo. W. White, New York
 97 Sulphate of Potash - New Haven, Chemical Co.
 99 Mediate of Potash -
 102 Nova Scotia Plaster - H. J. Mattson, Watertown, Ct.
 103 " " " - H. E. Warner, "

91 was sampled by Dennis Fenn, Milford, Ct. April 5.
 97 & 99 by G. A. Webb, New Haven April 5.
 102 & 103 by Hubert Scovill, Watertown, Ct. April 15.

	91	97	99	102	103
Potash	8.37	25.31	54.52		
Hydrated sulphate of lime (gypsum)				97.00	90.32
Calculated Value* per ton	\$12.56	\$37.96	\$65.42		
Cost**	\$2.250	\$5.00	\$50.00	\$7.00	\$7.00

* Potash is reckoned per lb. in 91 & 97 @ 7½ cts. in 99 @ 6 cts.
 ** Potash costs per lb. in 91 about 13½ cts. in 97 7 cts. in 99 4½ cts.
 103 is a good, 102 an unusually good plaster

S. W. Johnson
 Director