

Connecticut Agricultural Experiment Station
 New Haven, June 22, 1878
 Bulletin No. 17.
Fertilizer Analyses.

- 144 Mapes Grass & Grain Top Dressing Claimed
 4.1-5.8% Nitrogen, 6-8% Phos Acid, 3-5% Potash
 Manufactured by Mapes Formula & Peruvian Guano
 Co. N.Y. Sent May 28, by S. M. Webb's Bethesda field.
- 159 Upton's Superphosphate of Lime Claimed 2.8-3.3%
 Nitrogen, 10-12% soluble Phos. Acid. Manufactured by
 Geo. Upton, Boston Mass. Sent June 6, by E. Stiles
 & Son, Willimantic
- 163 Bradley's Superphosphate of Lime Claimed
 Sulphate of ammonia 10%, soluble Phos Acid 7.5% insol-
 ule Phos Acid 7% Manufactured by Bradley
 Fertilizer Co. Boston, Mass. Sent June 2, by Mr.
 S. Baldwin, Secy. Managatuck Farmers Club
- 165 Soluble Pacific Guano Manufactured by
 Soluble Pacific Guano Co. Boston, Mass. From stock
 of Rodney Kellogg, Hartford. Sampled & analyzed
 by J. J. Webb, New Haven

	144	159	163	165
Nitrogen in Ammonia salts	2.24		0.59*	
" " Nitrates	1.17			
" " Organic matters	.87	2.81	1.92	2.39
Soluble Phosphoric Acid	1.81	1.05	6.68	5.57
Reverted " "	4.18	6.70	0.54	1.87
Insoluble " "	1.32	1.42	3.43	3.77
Potash	3.65			4.05
Calculated value per ton	\$ 36.85	27.92	32.98	38.41
Cost	\$?	38.00	45.00	45.00

Potash in 165 is valued at 7½ cts. per lb. to make the analysis comparable with others previously published, but is obviously too high. Potash in 159 is valued at 4¼ cents per lb. *

* This is represented to contain 10% sulphate of ammonia which is equal to 2.1% nitrogen as ammonia salts. It really contains not more than 2.3% sulphate of ammonia, equivalent to 0.50% nitrogen. Nitrogen in nitrates and ammonia salts is valued at 24 cts. per lb. nitrogen in organic matters at 20 cts. per lb.

S. W. Johnson
 Director