

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin 27.—May 23, 1879.

FERTILIZER ANALYSES.

259. Mapes' Onion Fertilizer.

Sampled and sent by T. B. Wakeman, Green's Farms, Ct.

271 Ammoniated Superphosphate.

Made by New Haven Chemical Co. Sampled from stock of E. W. Pierce, dealer, Plainville, by T. N. Bishop. Sent May 7th.

ANALYSES.

	259	271
Nitrogen.....	5.70*	3.01
Sol. Phos. Acid.....	2.05	6.32
Reverted Phos. Acid.....	4.35	1.37
Insol. " "	2.53	1.57
Potash.....	7.47	3.18
Chlorine.....	8.44	4.07

* 3.2 p. c. as Ammo ia Salts, 4.5 p. c. Organic matter.

Estimated value.....	\$47.26	\$35.37
Cost,	50.00	38.00

270. Charter Oak Fertilizer.

Manufactured by Charter Oak Paper Co., Parkville, Ct. Sampled and sent by Paul Thomson, West Hartford.

ANALYSIS.

	Per cent.	Value per lb.	Value per ton.
Moisture	24.34		
Carb ac. comb'd water and or ganic mat'rs * }	26.16		
Chlorine.....	.13		
Phosphoric acid... ..	1.02	9c	\$1.84
Sulphuric acid.95	} $\frac{4}{10}$	3.49
Lime... ..	30.91		
Magnesia.....	11.76		
Potash.....	.30	4½c.	.27
Soda24		
Sand.....	3.49		
	<u>100.00</u>		
*Containing Nit'n.	0.47	20c.	1.88
Value est'd per ton.			7.68
Cost per ton.....			15.00

This material is mainly a refuse magnesian lime, such a lime as is burned from the rock of the quarries in Canaan and elsewhere, in Northern Connecticut. In making a valuation, the lime, magnesia and sulphuric acid are reckoned together at $\frac{4}{10}$ cents per pound, because burned lime containing magnesia, and gypsum containing lime and sulphuric acid, can be got at that rate or for \$8 per ton.

S. W. JOHNSON, *Director.*