

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin 41.—May 1, 1880.

FERTILIZER ANALYSES.

385 New York Stable manure, sold by H. A. Peck & Co., 1st Av., cor 38th St., New York, sampled and sent March 30, by John H. Jennings, Greens Farms, from cargo purchased by him.

Moisture.....	69.295
Organic Matter*.....	19.772
Potash.....	.633
Soda.....	.145
Lime.....	.742
Magnesia.....	.288
Oxide of Iron and Alumina.....	.554
Phosphoric Acid.....	.670
Chlorine.....	.110
Sulphuric Acid.....	.150
Sand and Insoluble matter.....	7.426
Carbonic Acid.....	.200
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	100.000

*Containing 0.118 Aramonia and 0.690 total Nitrogen.

This has very nearly the same composition as the sample of New York Stable Manure analyzed in 1873 for the Board of Agriculture; the results published in Report of Board for

that year, p. 350. This however contains about 9 per cent. less of moisture and insoluble substances and the proportions of fertilizing matters are correspondingly greater. The cost of this article was 6 cents per "bushel" of about 40 quarts. Mr. Jennings states that several hundred small cargoes of 50 to 75 tons each are bought at Greens Farms every year. The cargoes are unloaded on the shore where wanted.

394 Cotton Seed Meal, sold by Smith, Northam & Robinson, Hartford. Sampled and sent by R. E. Pinney, Suffield.

395 Strictly Pure Bone, sold by H. J. Baker & Co., New York, sampled and sent by J. H. Jennings, Greens Farms.

	394.	395.
Nitrogen.....	7.20	4.08
Phosphoric Acid.....	3.33	22.72
Potash.....	2.11	
Est. Value.....	\$37.95	\$43.02
Cost.....	\$25.00*	\$32.00†

*in 10 ton lots. —†in New York?

S. W. JOHNSON, Director.