

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin No. 66, Sept. 1, 1881.

637 Forrester's Corn Manure, made by Geo. B. Forrester, 188 Pearl St., New York City; sent by M. S. Baldwin, Naugatuck, Ct.

643 Oat Manure.

646 Potato Manure.

647 Corn Manure.

Nos. 643, 646, 647 were made by Geo. B. Forrester, New York, and sold by S. B. Wakeman, Saugatuck, Ct.

645 Stockbridge Corn Manure.

650 Stockbridge Potato Manure.

645 and 650 were made by the Bowker Fertilizer Co., Boston and New York, and sold by Hubbell & Wakeman, Saugatuck.

Nos. 643, 646, 647, 645 and 650 were sampled and sent by James B. Nash of Saugatuck.

648 Strawberry Manure.

649 Onion Manure.

648 and 649 were made by Geo. B. Forrester, and were sent by the dealer, S. B. Wakeman, Saugatuck.

644 Ground Bone, made by Geo. B. Forrester; sent by John H. Robinson, Saugatuck.

660 Castor Pomace sent by H. J. Baker & Bro., New York City.

642 Nitrate of Soda, imported by The Mapes Formula and Peruvian Guano Co., New York and Hartford; sent by J. W. Hentingway, Plainville, Ct.

ANALYSIS.

[Nitrogen,	15.79]
Equivalent to Nitrate of Soda,	95.90
Moisture,	3.00
Undetermined matters,	1.10
	100.00

Nitrogen costs 26.9 cts. per lb.

Cost \$12.75 per 800 lb. in N. Y.

612 Swamp Muck, sent by N. P. Perkins, Willimantic, Ct.

This muck was dug last November and has since lain in an open field.

ANALYSIS OF 612.

The undried sample contains per cent.

Water,77.59
Organic and volatile matter [with nitrogen 0.41].....	15.65
Ash,	6.76
	100.00

The ash contains

Silica and substances insoluble in acid,	6.15
Oxide of iron, alumina, and phos. acid,38
Lime,14
Other matter not determined,09
	6.76

Poisonous iron salts,

The dry muck contains

Organic and volatile,	69.82
Ash,	30.18
Lime,62
Nitrogen,	1.83

The organic matter contains

Nitrogen,	2.62
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The sample of *Soluble Pacific Guano*, 565, reported in Bulletin 58, April 28, was from a small quantity remaining over from last fall in the hands of the dealers, H. A. Stillman & Co., Hartford, and is stated not to represent the article in market during 1881. Its price the manufacturers inform us should have been given as \$42 per ton and not \$45.

S. W. JOHNSON, Director.

Estimated value per ton,	Soluble Phos. Acid,
Cost	Reverted " "
—*At Saugatuck. —†In N. Y.	Insoluble " "
	Nitrogen of Ammonia Salts,
	" " organic matter,
	Potash,
	Chlorine,

637	643	646	647	645	650	648	649	644	660
4.90 0.74 0.44 5.25 0.25 8.67	4.95 1.04 0.33 4.79 8.61 3.29	4.88 0.56 0.28 3.38 9.50 0.66	6.62 1.33 0.37 4.58 6.63 2.79	5.46 1.35 1.97 0.31 3.73 5.29 2.33	5.54 1.29 1.93 0.24 3.08 4.85 2.21	6.31 0.77 0.21 3.20 0.23 6.45 0.66	3.98 0.50 0.42 5.06 6.30 0.42	20.95 4.01	1.56 4.74 0.97
\$46.54 \$47.50+	\$49.13 \$49.00*	\$43.10 \$49.00*	\$49.94 \$49.00*	\$42.70 \$50.00	\$39.17 \$50.00	\$42.42 \$44.50*	\$43.57 \$49.50*	\$33.41 \$35.00*	\$17.91 \$22.50+