

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin 31.—July 4, 1879.

FERTILIZER ANALYSES.

283. Pine Island Guano.

Made by Quinnipiac Fertilizer Co., New Haven. Sampled from stock of G. Osborn & Tolles, Naugatuck, by M. S. Baldwin, Naugatuck. Sent May 28th.

291. English Super-phosphate.

292. Standard Peruvian Guano.

295. Lombard & Mathewson's Phosphate.

Composition per cent.

	283	291	292	295
Nitrogen as am'nia..			5.76	
Organic nitrogen.....	3.77		2.14	3.08
Sol. Phos. Acid.....	1.76	15.19	5.49	2.11
Rev. Phos. Acid.....	2.76	.38	3.85	10.22
Ins. Phos. Acid.....	2.25	1.20	6.33	5.24
Potash.....	6.63		2.97	
Chlorine.....	4.94			
Moisture.....	26.27			
Est. val. per ton.....	\$33.57	\$39.50	\$66.67	\$43.33
Cost per ton.....	45.00*	33.00	53.50	40.00

287. Muriate of Potash.

289. Ground Cotton Seed Damaged.

Sampled from stock of H. J. Baker & Bro., 215 Pearl street, N. Y., by L. S. Wells & Son, New Britain. Received June 9.

297. Cotton and Linseed Pomace.

Sampled from stock of H. J. Baker & Bro., 215 Pearl street, N. Y., by M. S. Baldwin, Naugatuck. Received June 24.

	287	289	297
Nitrogen.....		6.92	6.87
Phosphoric Acid...		3.09	3.00
Potash.....	59.68†	2.06	2.10
Est. val. per ton....		\$35.09	\$34.77
Cost per ton.....	\$37.50	18.50†	18.50

290. A. Ground Bone.

293. Lombard & Mathewson's Bone.

294. Lombard & Mathewson's Bone,
No. 2.

296. Pure Bone Meal.

Manufactured by Lewis M. Wakeley, Long Hill. Sampled from stock of manufacturer by J. R. Brinsmade, Long Hill. Received June 21.

	290	293	294	296
Nitrogen	4.30	3.77	4.05	4.30
Phos. Acid.....	23.71	25.13	23.08	21.43
Estimated value.....	\$44.07	\$45.01	\$31.70	\$41.94
Cost.....	33.00	30.00	51.00	32.00

287, 290, 291 and 292, were received June 9th, from P. M. Angur, Middlefield. 287, 291 and 292, were sampled from stock of Wilson & Barr, dealers, Middletown. 290 was sampled from the stock of the Rogers & Hubbard Co., manufacturers, Middletown.

293, 294 and 295, were sampled and sent by the dealers, Buc & Durkee, Willimantic. Received June 20th.

*Calculated from the price per 100 lbs., (\$2.25) in Naugatuck. The manufacturer's price is \$38.00 per single ton delivered on board cars in New Haven.

†Potash costs 3 1-7 cents per lb.

‡Cost in New York. The freight to New Britain was \$4.00 per ton.

S. W. JOHNSON, *Director.*