

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin 30.—June 20, 1879.

FERTILIZER ANALYSES.

279. Lister Brothers' Ground Bone.
Sampled by Experiment Station, May 26th, from stock of R. B. Bradley & Co.

288. Ground Bone.
Royal Jennings, agt., Trumbull, Ct. Sampled and sent May 30th, by Fr. G. Heublein & G. Goessinger.

	279	288
Nitrogen	2.80	3.85
Phosphoric Acid.....	10.63	19.46
Estimated value per ton....	\$23.10	\$37.57
Cost per ton.....	30 00	32.00

280. Stockbridge Grass Top-dressing.

Sampled by Experiment Station, May 26th, from stock of R. B. Bradley & Co.

281. Forrester's Cabbage Fertilizer.

282. Forrester's Potato Fertilizer.

284. Forrester's Strawberry Fertilizer.

Samples 281, 282 and 284 were received May 28th, from M. S. Baldwin, Secretary Farmer's Club, Naugatuck, Ct.

	280	281	282	284
Nitrogen as am'nia..	2.14	5.99	3.90	2.41
Nitrogen as nitrates..	2.79			
Nitrogen, organic....	1.17	.28	.72	.60
Sol. Phos. Acid.....	3.79	3.85	.37	8.22
Rev. Phos. Acid.....	.30	2.21	5.09	2.12
Ins. Phos. Acid.....	.36	.45	1.63	.85
Potash.....	7.52	7.44	9.06	5.91
Chlorine.....	7.51	2.03	2.66	2.10
Est. val. per ton....	\$46.10	\$51.21	\$43.67	\$46.66
Cost per ton.....	50.00	50.00	47.50	42.50

Cost per ton of 288 is reckoned from price per hundred weight, viz., \$1.60.

Cost per ton of 280 reckoned from price per bag of 200 lbs., viz., \$5.00.

Sample 279 contains 21.6 per cent. of matters soluble in cold water, mostly "salt cake" (?).

The potash of 280 exists as muriate and is reckoned at 4½ cents per pound.

The potash of 281, 282 and 284 is reckoned at 6 cents per pound.

S. W. JOHNSON, *Director.*