

CONNECTICUT AGRICULTURAL EXPERIMENT STATION.

Bulletin No. 65, June 23, 1881.

FERTILIZER ANALYSES.

- 633 G. W. Miller's Raw Bone Superphosphate, made and sold by G. W. Miller, Middlefield. Sample drawn by E. P. Augur.
 - 634 Dissolved Bone Black, made by Bowker Fertilizer Co. Boston and New York. Sold by Henry D. Torrey, Putnam.
 - 635 Dissolved Bone Black, made by the Mapes F. & P. G. Co., 158 Front St., N. Y. Sampled from a set of experimental fertilizers.
- 634 and 635 were sampled and sent by W. I. Bartholomew, Putnam.
- 630 Dried Blood, made by Sperry & Barnes, New Haven.
 - 631 Dried Blood, made by Strong, Barnes, Hart & Co., New Haven.
 - 632 G. W. Miller's Pure Ground Bone, made by G. W. Miller, Middlefield. The above were sampled and sent by E. P. Augur, Middlefield.
- 630 apparently contains considerable tankage.
631 contains some hair.

CHEMICAL ANALYSES AND VALUATIONS.

Nitrogen.....	3.41	633	9.02	634	14.18	635	6.93	630	8.06	631	3.95	632
Soluble phos. acid.....	2.60		8.35		36		7.32		3.80		23.21	
Reverted ".....	6.59		1.29		51							
Insoluble ".....	3.61											
Potash.....	5.09											
Chlorine.....	trace											
Estimated value per ton.....	\$43.97		41.88		36.71		36.50		36.80		37.03	
Cost per ton.....	\$44.25		40.00		?		30.00		35.00		36.00	

MECHANICAL ANALYSIS OF 632.

		Per cent.
Fine, smaller than 1-50 in.	43	
Fine medium, " " 1-25 "	33	
Medium, " " 1-12 "	23	
Coarse medium, " " 1-6 "	3	
	<hr/>	100

MUSSEL BED DEPOSIT.

617 From Maine; brought to Station by Wm. Romer, Jr., of Warren, R. I. A useful fertilizer but not one that will warrant much cost of transportation.

Water.....	29.10
Sand and Insoluble.....	52.73
*Organic matter.....	2.20
Alumina and Oxide of Iron.....	4.55
Lime.....	4.15
Magnesia.....	86
Potash.....	30
Soda.....	17
Sulphuric acid.....	57
Phosphoric acid.....	18
Carbonic acid, chlorine and loss,..	4.69
	<hr/>
	100.00

*Containing nitrogen 0.144.

CORRECTION.—The market price of Mapes Superphosphate [Export Brand] No. 615, published in Bulletin No. 63 was incorrectly reported to the Station. It should be \$37 instead of \$34.

S. W. JOHNSON, Director.