

# Connecticut Agricultural Experiment Station

New Haven April 30, 1878.

## Bulletin No. 9.

### Analyses of Leached Ashes and Egg Food.

94 Canadian Leached Wood Ashes from Bred and Alison No. 6 Quincy Slip New York. The sample taken Apr. 3<sup>d</sup> sent by G. Seymour Benton, Sec. Guilford Agricultural Society represents 8000 bushels purchased by farmers of Guilford and vicinity for 19 cts. per bushel. The bushel weighs 55 lbs.

Average of four analyses of leached ashes reported in Conn. Report of B'd of Ag. 1873 p. 418

X Imperial Egg Food for Poultry, Pat. Feb. 24, 1875. Allen & Sherwood Proprietors. 29 Pearl St. Hartford, Conn. 50 cts. per package weighing about 1 lb.

	<u>94</u>	<u>Average</u>	<u>X</u>
Moisture	36.70	35.0	1.53
Organic matter (by difference)	1.46	} 14.5	10.80
Sand + Insoluble matter	8.30		4.35
Oxide of iron	0.82	1.6	1.96
Lime	27.77	25.6	43.17
Magnesia	2.82	3.4	0.43
Potash	0.97	1.2	—
Soda	0.48		Trace
Phosphoric Acid	2.12	1.3	3.42
Sulfuric Acid	0.12	0.1	2.18
Carbonic Acid	18.44	17.3	32.16
	<u>100.00</u>	<u>100.0</u>	<u>100.00</u>

The Leached Ashes, 94, agree as closely as could be expected with the average of samples formerly analyzed. The fertilizing matters consist in the 28% lime, 3% magnesia, 2% phosphoric acid and 1% potash.

The Egg Food, X, consists chiefly of ground bone, about 15%, ground (oyster?) shells, about 70%, gypsum or plaster about 5%, oxide of iron, about 2%, sand 4%, and a little cayenne pepper.

104 Russell Boe's Ammoniated Superphosphate - Charles Phillips, Danielsonville. Sampled by Albert Day, April 9.

105 Manhattan Blood Guano, Manhattan Fertilz. Co. Bridgeport, sent by J. B. Wakeman, Greens Farms. Sampled by J. B. Wakeman, at works, April 18.

106 Phosphate, Quinipiac Co. Mt. Carmel Conn. Sampled by J. W. Isham at works, April 4.

	104	105	106
Nitrogen	1.78	2.55	3.47
Soluble Phosphoric Acid	2.90	7.75	3.38
Reverted " "	3.76	0.26	3.71
Insoluble " "	9.68	3.70	1.58
Potash		0.57	
Calculated Value	\$ 34.65	\$ 35.09	\$ 39.22
Cost	\$ 35.00	\$ 47.50	\$ 45.00

J. W. Johnson Director