

Corn. Agricultural Experiment Station
New Haven, Sept. 8, 1877.

A sample of Soluble Pacific Guano lately obtained at Mt. Carmel, Conn. has the following composition and valuation according to the Station analysis.

	Pounds per hundred	Pounds per ton.	Value per pound	Value per ton
Nitrogen	2.43	48.6	20 cts	\$9.72
Soluble Phosphoric Acid	5.18	103.6	12½ "	12.95
Reverted " "	.96	19.2	9 "	1.73
Insoluble " "	6.12	122.4	5 "	6.12
Potash	1.63	32.6	7½ "	2.44
Moisture	19.88	397.6		
Total Estimated Value				\$52.96
Cost				\$45.00

This fertilizer comes in 200 lb. packages. Five packages from which this sample was drawn, weighed 1006 lbs. The "Soluble Pacific Guano" is represented or guaranteed to contain

Soluble Phosphoric Acid	4½ - 8 per cent.
Reverted " "	2 - 5 " "
Insoluble " "	4 - 6½ " "
Potash & Soda	3 - 5 " "
Available Ammonia	2½ - 3½ " "
Nitrogen	2½ - 2¾ " "

With the highest percents the value would be \$54.60 with the lowest figures, \$31.75 per ton. This wide range of percents corresponds to a difference in trade value of \$22.88 per ton. The mean percents would make a value of \$42.17 per ton.

S. W. Johnson - Director.