

**CONNECTICUT AGRICULTURAL EXPERIMENT STATION.**

*Bulletin 38.—April 3, 1880.*

**FERTILIZER ANALYSES.**

**347.** } Concentrated Privy Guano, m'fd by Pollard & Cook, Providence.  
**354.** }

No. 347 sampled by the manufacturers and brought to the Station Jan. 16, by F. C. Cook, 119 Ellsworth Ave., New Haven.

No. 354 sampled by F. C. Cook, in February, from lot of ten tons purchased by him. Cost, \$65 per ton.

**COMPOSITION.**

	<b>347</b>	<b>354</b>
Moisture.....	5.10	
Organic Matter, (Nitrogen—0.50).....	7.93	
Ammonia..... ( " 4.06).....	4.92	
Nitric Acid..... ( " 10.03).....	38.70	
Phosphoric Acid, soluble.....	7.76	
Sulphuric Acid.....	4.71	
Chlorine.....	.22	
Soda.....	2.06	
Potash.....	24.91	
Lime.....	3.70	
Magnesia.....	trace	
	<b>100.00</b>	
Total Nitrogen.....	14.59	14.29

**VALUATION OF 347.**

	Lbs. of T. Val.	per B. Ton	Value
Nit'gen of nitrates, 200.6	26	cts.	\$ 52.15
Nit'gen of am'nia... 81.2	22½	"	18.27
Organic Nitrogen, 10.0	20	"	2.00
Sol. Phos. Acid.... 155.2	12¼	"	19.40
Potash..... 498.0	7½	"	37.35
Total Estimated Value.....			\$129.17
Cost.....			65.00

This Privy Guano has an unmistakable privy odor, but un-

like night soil, it is almost entirely soluble in water, and unlike both night soil and urine, it consists mainly of nitrates and phosphates of potash, ammonia and soda. It is not manufactured from night soil, although it is flavored with this last named substance. Its commercial value is almost double its cost, a fact that would be very welcome to the consumers of fertilizers if it could remain a fact. But a "Privy Guano" of this composition cannot long be afforded for much less than \$130 per ton, and the extraordinary value of the two samples that thus early have found their way to the Station, should put purchasers on their guard against a sudden and great decline in its composition and value.

Any parties who have laid in a supply would do well to have samples analyzed before waiting for a crop, and should remember that the first fertilizers bulletined by the Station (in August, 1877,) were Pollard's "Composition for Grass," of which the cost was \$32.00 and the estimated value, \$1.03, and Pollard's "Composition for Vegetables," cost, \$32.00, estimated value, \$0.99.

S. W. JOHNSON. *Director.*