

Crop I can say but little. My Corn-ground wheat in
 many places was almost totally destroyed by the
 fly, & twenty acres of which only gave me 5 Bus
 of Clean wheat per acre. The 20 acres had no manure
 nor any fertilizer upon it. But I had about
 14 acres upon which I applied 250 lbs. of a mix-
 ture of Narasa Guano $\frac{3}{4}$ and Peruvian-guano $\frac{1}{4}$; this
 14 acres much inferior to the 20 acres as wheat land
 gave me 10 Bus of wheat per acre. The 5 Bus. increase
 I attribute entirely to the use of the Guano. The 14 acres was
 as badly attacked by the fly in the fall as was the 20
 acres. But the Guano stimulated and fed the 14 acres du-
 ring the winter so much that in the Spring, it was
 strong at the roots though the main stems were
 damaged by the fly; so strong was its roots that
 they put forth a multitude of branches, all
 of which produced a head of wheat, and
 thus increasing the no of heads of grain, increas-
 ed the yield two-fold. Whilst on the 20 acres there
 was no stimulant present, and the ~~for~~ roots failed
 to send forth their branches above surface in the
 Spring; consequently the number of heads was small
 at the time the crop matured, and many of these
 fly damaged stalks of wheat were prostrated to
 the ground by strong winds before their time for grain-
 ing had arrived; thus at harvest the eye beheld
 a mangled looking mass of straw almost des-
 titute of grain.

Cost of Guano 40 per ton 250 lbs = 5.00

Increase in Crop 5 Bus @ 1.50 = 7.50

Net Gain by use of Guano = 2.50 per acre

There besides an increase in the Clover crop; therefore
 any Guano on wheat will pay if of good quality-