

Mr. Gosnell applied his lime in the spring with the effect which is seen above. This lime has also another valuable property, it secures crops from the ravages of insects of all kinds, and I would here suggest the propriety of its use on those wheat lands that are liable to be troubled with the wire-worm. Should it prove as efficacious against them as against other insects, a compound can easily be made to secure the farmer from their ravages. The above report was made in 1854, and since then I have seen a statement substantiating what I then said of it as to its destructive influence on insects which are injurious to vegetation.

There has also come under my observation the analysis of eight different samples of Schuylkill lime. As this lime is extensively used by many of our farmers in Maryland, I here subjoin a copy of the analyses. These analyses show the uniformity of the quarries, and are a good guarantee of the uniform magnesian quality of the lime from this source. Large quantities of it are used, about 70,000 bushels per week being manufactured at the kilns of Robert & Wm. Moguee of Wilmington, Delaware.

Analysis of eight samples of "Norristown Limestone," from Wm. & Robert Moguee, Esqs., of Wilmington and Norristown, Pa. The samples of "Norristown Limestone" were taken on the Schuylkill, 15 miles from Philadelphia, Pa. :

	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
Carbonate of lime.....	53.6	50.5	47.5	45.2	53.6	54.2	53.7	53.8
Carbonate of magnesia.....	42.4	44.7	42.8	41.0	43.9	43.8	43.3	43.4
Sand and Clay.....	4.0	4.8	9.7	13.8	2.5	2.5	2.5	2.8
	100.							

One hundred parts of the above limestones will yield therefore, when burnt, of:

Caustic lime, (quick-lime,)	30.0	28.3	26.6	25.4	30.0	30.3	30.1	30.1
Caustic magnesia.....	20.4	21.5	20.6	19.7	20.9	20.6	20.9	20.7

and will consequently produce of :

Water-slacked lime.....	39.6	37.3	35.1	33.5	39.6	40.1	39.7	39.7
Water-slacked magnesia...	29.5	31.0	29.7	28.4	20.3	29.9	30.3	30.0

MISCELLANEOUS MANURES.

Gypsum—Common Salt.—We comprise these two manures under one head; not that they are similar either in their composition or mode of action, but because there is no very appropriate class to which they can be referred; and they act more as *mediums* than as direct nutriment.

Gypsum in its pure state is composed as follows :

Lime	33 per cent.
Sulphuric acid.....	46 "
Water	21 "