

Soil from the Potomac Bottom, near the mouth of Seneca river, being from the finest portion of what are known as the "sugar lands."

Organic (vegetable) matter,.....	11.50
Sand,	78.10
Iron as peroxide,.....	4.85
Alumina,.....	3.26
Lime, as quick lime,.....	.60
Magnesia, (calcined),.....	.62
Potash,.....	.31
Soda,.....	.16
Sulphuric acid,.....	.10
Chlorine,.....	.09
Phosphoric acid,.....	.29
	99.88

This is a soil of very great fertility, capable of producing and does produce in a favorable year, fifty bushels of wheat per acre.

Rich virgin soil from near Davidsonville, Anne Arundel county, Md.

Organic matter,.....	10.00
Sand,.....	82.80
Iron as peroxide,.....	3.80
Alumina,	2.60
Iron and alumina as phosphates,.....	.19
Lime as carbonate,.....	.60
Magnesia,28
Potash,32
Soda,26
Sulphuric acid,.....	.06
Chlorine,.....	.04

This soil would produce at least twenty barrels of corn to the acre, and forty bushels of wheat.

Soil from Prince George's county, near Marlboro'.

Organic matter,.....	8.50
Silica, sand,.....	83.00
Iron as peroxide,.....	4.10
Alumina,.....	2.80
Lime as carbonate,.....	.65
Magnesia,21
Potash,34
Soda,12
Chlorine,.....	.06
Sulphuric acid,.....	.05

This land produces about thirty-five bushels of wheat and about fifteen to twenty barrels of corn.