

Soil Properties

Series	Hatboro	Codorus	Sassafras	Neabsco	Glenlg	Manor	Woodstock	Udorthents
Texture	Loam	Loam	Gr. Sandy Loam	Sandy Loam	Loam	Sandy Loam	Sandy Loam	Loamy
Hydrological Soil Group	D	C	B	C	B	B	C	Variable
Permeability-Subsoil	Moderate	Moderate	Moderately slow	Moderate	Moderate	Moderate	Moderate	Variable
Fragipan	n/a	n/a	n/a	Slow	n/a	n/a	n/a	n/a
Substratum	Moderately rapid	Moderately rapid	Moderate	Moderately rapid	Moderate	Moderate		
Available Water Capacity	Moderate	High	Moderate	Low	Moderate	Moderate	High	Variable
Surface Runoff	Slow	Slow	See Table 2	Medium	See Table 2	Very Rapid	Medium	Variable
Erosion Hazard	Slight	Slight	See Table 2	Moderate	See Table 2	Severe	Moderate	Low
Soil Reaction	Very strong acid to neutral	Very strong acid to neutral	Very strong to strong acid	Very strong to strong acid	Very strong to strong acid	Very strong to strong acid	Very strong acid	Variable
Root Zone Depth (in)	10-20	10-20	>60	15-30	>60	>60	>60	>24
Root Zone Restriction	Wetness	Wetness	None	Fragipan	None	None	None	Fill Depth
Depth of Bedrock (in)	>60	>60	>60	>60	>60	>60	>60	Variable
Depth to Water Table (in)	0-6	12-24	>72	15-30	>72	>72	>72	Variable
Type of Water Table	Apparent			Perched				
Flooding Potential	Frequent	Frequent	None	None	None	None	None	Variable
Potential Frost Action	High	High	Moderate	High	Moderate	Moderate	Moderate	Variable
Corrosivity - Steel	High	High	Low	Moderate	Low	Low	Moderate	Variable
Concrete	Moderate	Moderate	High	Moderate	High	Moderate	High	Variable

Surface Runoff and Erosion Hazard for Sassafras and Glenelg Soils

Series	Sassafras	Sassafras-Urban	Urban-Sassafras	Glenelg	Glenelg-Urban	Urban-Glenelg
Surface Runoff						
0-3 percent slopes					Medium	
3-8 percent slopes	Slow	Medium to rapid	Medium to rapid	Medium	Medium to rapid	Medium to rapid
8-15 percent slopes	Medium	Rapid	Rapid	Moderately rapid	Rapid	Rapid
15-25 percent slopes	Rapid	Rapid	Very rapid	Very rapid	Very rapid	
Erosion Hazard						
0-3 percent slopes					Moderate	
3-8 percent slopes	Moderate	Moderate	Moderate	Severe	Moderate	Moderate
8-15 percent slopes	Moderate	Severe	Severe	Severe	Severe	Severe
15-25 percent slopes	Severe	Severe	Severe	Severe	Severe	