

Table 1.—Points scale for field rating sites for littleleaf disease risk based on soil characteristics (Campbell and Copeland 1954)

Soil characteristics	Value
Erosion	
Slight - Depth of A horizon not seriously changed, less than 25 percent	40
Moderate - 25-75 percent of A horizon lost, shallow gullies may be present	30
Severe - All of A horizon lost, often some of B gone, shallow gullies common	20
Rough gullied land - Soil profile has been destroyed except in small areas between gullies	10
Internal drainage	
Subsoil consistency (when moist)	
Very friable - Crushes under gentle pressure, coheres when pressed	32
Friable - Crushes under gentle to moderate pressure, coheres when pressed	24
Firm - Crushes with moderate pressure, but resists	16
Very firm - Crushes under strong pressure, barely crushes between thumb and forefinger	8
Extremely firm - Cannot be crushed between thumb and forefinger	0
Depth to zone of greatly reduced permeability	
24-36 inches (61-90 cm)	15
18-23 inches (46-60 cm)	12
12-17 inches (30-45 cm)	9
6-11 inches (15-29 cm)	3
Subsoil mottling (grays and browns)	
None	13
Slight	9
Moderate	5
Strong	1

The second method (tables 2 and 3) capitalizes on the consistent association of these factors with soil series classification. This method provides general ratings without field work, and is approximately as accurate as the available soils maps. It is best suited for larger scale planning purposes (multiple stands or compartments).