

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AgB: Allegheny-----	100	Moderately suited Rock fragments	0.07 0.07	Moderately suited Slope	0.05 0.05	Low	0.00
AgC: Allegheny-----	100	Moderately suited Rock fragments	0.07 0.07	Moderately suited Slope	0.35 0.35	Low	0.00
CaC: Clymer-----	100	Moderately suited Rock fragments	0.19 0.19	Moderately suited Slope Rock fragments	0.40 0.40 0.04	Low	0.00
CDD: Clymer-----	50	Moderately suited Slope limitation Rock fragments	0.30 0.30 0.19	Unsuited Slope Rock fragments	0.90 0.90 0.05	Low	0.00
Dekalb-----	30	Moderately suited Slope limitation Rock fragments	0.30 0.30 0.26	Unsuited Slope Rock fragments	0.90 0.90 0.17	Low	0.00
Other Soils-----	20	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Soil reaction	1.00 1.00 1.00
CDE: Clymer-----	45	Moderately suited Steep Rock fragments	0.67 0.67 0.19	Unsuited Slope Rock fragments	1.00 1.00 0.04	Low	0.00
Dekalb-----	30	Moderately suited Steep Rock fragments	0.67 0.67 0.26	Unsuited Slope Rock fragments	1.00 1.00 0.17	Low	0.00
Other Soils-----	25	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Soil reaction	1.00 1.00 1.00
CDF: Clymer-----	40	Moderately suited Steep Rock fragments	0.75 0.75 0.19	Unsuited Slope Rock fragments	1.00 1.00 0.05	Low	0.00
Dekalb-----	35	Moderately suited Steep Rock fragments	0.75 0.75 0.31	Unsuited Slope Rock fragments	1.00 1.00 0.27	Low	0.00
Other Soils-----	25	Unsuited	1.00	Unsuited	1.00	High	1.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
CoB:							
Coolville-----	100	Moderately suited	0.02	Moderately suited	0.05	Low	0.00
		Rock fragments	0.02	Slope	0.05		
CoC:							
Coolville-----	100	Moderately suited	0.02	Moderately suited	0.35	Low	0.00
		Rock fragments	0.02	Slope	0.35		
CrC3:							
Coolville-----	100	Moderately suited	0.02	Moderately suited	0.35	Low	0.00
		Rock fragments	0.02	Slope	0.35		
Ct:							
Cotaco-----	95	Moderately suited	0.07	Well suited	0.00	Low	0.00
		Rock fragments	0.07				
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
Dm:							
Dumps-----	100	Not rated		Not rated		Not rated	
FL:							
Fluvaquents-----	95	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
						Soil reaction	1.00
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
GlC:							
Gilpin-----	100	Moderately suited	0.14	Moderately suited	0.40	Low	0.00
		Rock fragments	0.14	Slope	0.40		
GlD:							
Gilpin-----	100	Moderately suited	0.30	Unsuited	0.90	Low	0.00
		Slope limitation	0.30	Slope	0.90		
		Rock fragments	0.14				
GlE:							
Gilpin-----	100	Moderately suited	0.67	Unsuited	1.00	Low	0.00
		Steep	0.67	Slope	1.00		
		Rock fragments	0.14				
GpC:							
Gilpin-----	45	Moderately suited	0.14	Moderately suited	0.40	Low	0.00
		Rock fragments	0.14	Slope	0.40		

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Upshur-----	45	Moderately suited	0.75	Poorly suited	0.75	Low	0.00
		Stickiness	0.75	Stickiness	0.75		
		Rock fragments	0.01	Slope	0.40		
Other Soils-----	10	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
GpD:							
Gilpin-----	50	Moderately suited	0.30	Unsuited	0.90	Low	0.00
		Slope limitation	0.30	Slope	0.90		
		Rock fragments	0.14				
Upshur-----	35	Moderately suited	0.75	Unsuited	0.90	Low	0.00
		Stickiness	0.75	Slope	0.90		
		Slope limitation	0.30	Stickiness	0.75		
		Rock fragments	0.01				
Other Soils-----	15	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
GRE:							
Gilpin-----	50	Moderately suited	0.67	Unsuited	1.00	Low	0.00
		Steep	0.67	Slope	1.00		
		Rock fragments	0.14				
Upshur-----	25	Moderately suited	0.75	Unsuited	1.00	Low	0.00
		Stickiness	0.75	Slope	1.00		
		Steep	0.67	Stickiness	0.75		
		Rock fragments	0.01				
Other Soils-----	25	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
GRF:							
Gilpin-----	55	Moderately suited	0.75	Unsuited	1.00	Low	0.00
		Steep	0.75	Slope	1.00		
		Rock fragments	0.14				
Other Soils-----	25	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
Upshur-----	20	Moderately suited	0.75	Unsuited	1.00	Low	0.00
		Steep	0.75	Slope	1.00		
		Stickiness	0.75	Stickiness	0.75		
		Rock fragments	0.01				
GsC3:							
Gilpin-----	45	Moderately suited	0.14	Moderately suited	0.40	Low	0.00
		Rock fragments	0.14	Slope	0.40		
Upshur-----	45	Moderately suited	0.75	Poorly suited	0.75	Low	0.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Other Soils-----	10	Stickiness	0.75	Stickiness	0.75	High	1.00
		Rock fragments	0.01	Slope	0.40		
		Unsuited	1.00	Unsuited	1.00		
		Horizon table contains no data	1.00	Horizon table contains no data	1.00		
		Steep	0.75				
GsD3: Gilpin-----	50	Moderately suited	0.30	Unsuited	0.90	Low	0.00
		Slope limitation	0.30	Slope	0.90		
		Rock fragments	0.14				
Upshur-----	35	Moderately suited	0.75	Unsuited	0.90	Low	0.00
		Stickiness	0.75	Slope	0.90		
		Slope limitation	0.30	Stickiness	0.75		
		Rock fragments	0.01				
Other Soils-----	15	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
GuE3: Gilpin-----	50	Moderately suited	0.67	Unsuited	1.00	Low	0.00
		Steep	0.67	Slope	1.00		
		Rock fragments	0.14				
Other Soils-----	25	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
Upshur-----	25	Moderately suited	0.75	Unsuited	1.00	Low	0.00
		Stickiness	0.75	Slope	1.00		
		Steep	0.67	Stickiness	0.75		
		Rock fragments	0.01				
HaA: Hackers-----	95	Moderately suited	0.01	Well suited	0.00	Low	0.00
		Rock fragments	0.01				
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00
HaB: Hackers-----	100	Moderately suited	0.01	Moderately suited	0.05	Low	0.00
		Rock fragments	0.01	Slope	0.05		
KaA: Kanawha-----	95	Moderately suited	0.03	Well suited	0.00	Low	0.00
		Rock fragments	0.03				
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
		Steep	0.75			Soil reaction	1.00
KaB: Kanawha-----	100	Moderately suited Rock fragments	0.03 0.03	Moderately suited Slope	0.05 0.05	Low	0.00
LaD: Laidig-----	100	Moderately suited Rock fragments Slope limitation	0.21 0.21 0.19	Poorly suited Slope Rock fragments	0.75 0.75 0.07	Low	0.00
LaE: Laidig-----	100	Moderately suited Steep Rock fragments	0.56 0.56 0.21	Unsuited Slope Rock fragments	1.00 1.00 0.07	Low	0.00
LdB: Laidig-----	95	Moderately suited Rock fragments	0.21 0.21	Moderately suited Rock fragments Slope	0.07 0.07 0.05	Low	0.00
Andover-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High	1.00 1.00 1.00
LdC: Laidig-----	95	Moderately suited Rock fragments	0.21 0.21	Moderately suited Slope Rock fragments	0.35 0.35 0.07	Low	0.00
Andover-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High	1.00 1.00 1.00
MgB: Monongahela-----	95	Moderately suited Rock fragments	0.14 0.14	Moderately suited Slope	0.05 0.05	Low	0.00
Robertsville-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High	1.00 1.00 1.00
MgC: Monongahela-----	100	Moderately suited Rock fragments	0.14 0.14	Moderately suited Slope	0.35 0.35	Low	0.00
Mo: Moshannon-----	95	Moderately suited Rock fragments	0.01 0.01	Well suited	0.00	Low	0.00
Melvin-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High	1.00 1.00 1.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Qu:							
Quarries-----	100	Not rated		Not rated		Not rated	
Se:							
Senecaville-----	95	Moderately suited Rock fragments	0.02 0.02	Well suited	0.00	Low	0.00
Melvin-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
Sn:							
Sensabaugh-----	95	Moderately suited Rock fragments	0.07 0.07	Well suited	0.00	Low	0.00
Melvin-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
Ty:							
Tyler-----	95	Moderately suited Rock fragments	0.01 0.01	Well suited	0.00	High Wetness	1.00 1.00
Robertsville-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
UA:							
Udifluents-----	95	Unsuited Horizon table contains no data	1.00 1.00	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
Melvin-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
UB:							
Udifluents-----	100	Unsuited Horizon table contains no data	1.00 1.00	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
UC:							
Udorthents, Smoothed	50	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
Urban Land-----	30	Not rated		Not rated		Not rated	

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Other Soils-----	20	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
UD:							
Udorthents-----	95	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Wet Minesoil-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Ue:							
Urban Land-----	100	Not rated		Not rated		Not rated	
Uf:							
Urban Land-----	50	Not rated		Not rated		Not rated	
Fluvaquents-----	30	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Other Soils-----	15	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Uk:							
Urban Land-----	65	Not rated		Not rated		Not rated	
Kanawha-----	25	Moderately suited	0.03	Well suited	0.00	Low	0.00
		Rock fragments	0.03				
Melvin-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00
Other Soils-----	5	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table	1.00	Horizon table	1.00	Horizon table	1.00
		contains no data		contains no data		contains no data	
		Steep	0.75			Soil reaction	1.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ut:							
Urban Land-----	65	Not rated		Not rated		Not rated	
Tyler-----	20	Moderately suited Rock fragments	0.01 0.01	Well suited	0.00	High Wetness	1.00 1.00
Other Soils-----	10	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
Robertsville-----	5	Unsuited Horizon table contains no data Steep	1.00 1.00 0.75	Unsuited Horizon table contains no data	1.00 1.00	High Horizon table contains no data Soil reaction	1.00 1.00 1.00
VaB:							
Vandalia-----	100	Moderately suited Rock fragments	0.07 0.07	Moderately suited Slope	0.05 0.05	Low	0.00
VaC:							
Vandalia-----	100	Moderately suited Rock fragments	0.07 0.07	Moderately suited Slope	0.35 0.35	Low	0.00
VaD:							
Vandalia-----	100	Moderately suited Slope limitation Rock fragments	0.19 0.19 0.07	Poorly suited Slope	0.75 0.75	Low	0.00
VaE:							
Vandalia-----	100	Moderately suited Steep Stickiness Rock fragments	0.56 0.56 0.19 0.07	Unsuited Slope Stickiness	1.00 1.00 0.19	Low	0.00
VdC3:							
Vandalia-----	100	Moderately suited Rock fragments	0.07 0.07	Moderately suited Slope	0.35 0.35	Low	0.00
VdD3:							
Vandalia-----	100	Moderately suited Slope limitation Rock fragments	0.19 0.19 0.07	Poorly suited Slope	0.75 0.75	Low	0.00
VdE3:							
Vandalia-----	100	Moderately suited Steep Rock fragments	0.56 0.56 0.07	Unsuited Slope	1.00 1.00	Low	0.00
VeB:							
Vincent-----	100	Well suited	0.00	Well suited	0.00	Low	0.00
VeC:							
Vincent-----	100	Well suited	0.00	Moderately suited Slope	0.20 0.20	Low	0.00
VnC3:							
Vincent-----	100	Well suited	0.00	Moderately suited	0.20	Low	0.00

Table FOR-3.--Forestland Management--Continued

Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Potential for seedling mortality	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
				Slope	0.20		
W: Water-----	100	Unsuited	1.00	Unsuited	1.00	High	1.00
		Horizon table contains no data	1.00	Horizon table contains no data	1.00	Horizon table contains no data	1.00
		Steep	0.75			Soil reaction	1.00