

TABLE 10.--WOODLAND MANAGEMENT AND PRODUCTIVITY

(Only the soils suitable for production of commercial trees are listed. Absence of an entry indicates that information was not available)

Map symbol and soil name	Ordi-nation symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equip-ment limita-tion	Seedling mortal-ity	Wind-throw hazard	Plant competi-tion	Common trees	Site index	Volume of wood fiber	
AmD2: Amanda-----	5R	Moderate	Moderate	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 87 --- --- --- ---	--- --- 72 --- --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.
AmE: Amanda-----	5R	Moderate	Moderate	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 87 --- --- --- ---	--- --- 72 --- --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.
AmF: Amanda-----	5R	Severe	Severe	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 87 --- --- --- ---	--- --- 72 --- --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.



Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
BeB: Bennington-----	4A	Slight	Slight	Moderate	Moderate	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- 80 --- 90 --- ---	--- 57 --- 86 --- ---	American sycamore, black oak, eastern cottonwood, eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.
BoA: Blount-----	3C	Slight	Slight	Moderate	Moderate	Severe	Bur oak----- Northern red oak---- Pin oak----- Sugar maple----- White ash----- White oak-----	--- 65 --- --- --- 65	--- 43 --- --- --- 43	American sycamore, black oak, eastern cottonwood, eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.
BoB: Blount-----	3C	Slight	Slight	Moderate	Moderate	Severe	Bur oak----- Northern red oak---- Pin oak-----	--- 65 ---	--- 43 ---	American sycamore, black oak,







Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
GcB: Gallman-----	5A	Slight	Slight	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 90 --- --- --- 85	--- --- 72 --- --- --- 72	Black cherry, black walnut, eastern white pine, northern red oak, sugar maple, tuliptree, white ash, white oak.
GwB: Glynwood-----	4C	Slight	Slight	Slight	Slight	Severe	Black cherry----- Black oak----- Northern red oak---- Red maple----- Slippery elm----- White ash----- White oak-----	--- 80 80 --- --- --- 80	--- 57 57 --- --- --- 57	Austrian pine, black oak, green ash, pin oak, red maple, tuliptree, white ash, white oak.
GwC2: Glynwood-----	4C	Slight	Slight	Slight	Slight	Severe	Black cherry----- Black oak----- Northern red oak---- Red maple----- Slippery elm----- White ash----- White oak-----	--- 80 80 --- --- --- 80	--- 57 57 --- --- --- 57	Austrian pine, black oak, green ash, pin oak, red maple, tuliptree, white ash, white oak.
GzC3: Glynwood-----	4C	Slight	Slight	Moderate	Slight	Severe	Black cherry----- Black oak----- Northern red oak---- Red maple----- Slippery elm-----	--- 80 80 --- ---	--- 57 57 --- ---	Austrian pine, black oak, green ash, pin oak, red maple,

							White ash-----	---	---	tuliptree,
							White oak-----	80	57	white ash, white oak.
HeF: Heverlo-----	4R	Severe	Severe	Slight	Slight	Severe	Black cherry-----	---	---	Norway spruce,
							Black walnut-----	---	---	black cherry,
							Northern red oak----	70	57	black walnut,
							Sugar maple-----	---	---	eastern white
							Tuliptree-----	---	---	pine, green
							White ash-----	---	---	ash, northern
							White oak-----	---	---	red oak, tuliptree, white oak.
HyA: Hyatts-----	4A	Slight	Slight	Moderate	Moderate	Severe	Black cherry-----	---	---	American
							Northern red oak----	80	57	sycamore,
							Sugar maple-----	---	---	black oak,
							Tuliptree-----	90	86	eastern
							White ash-----	---	---	cottonwood,
							White oak-----	---	---	eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
HyB: Hyatts-----	4A	Slight	Slight	Moderate	Moderate	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- 80 --- 90 --- ---	--- 57 --- 86 --- ---	American sycamore, black oak, eastern cottonwood, eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.
JmA: Jimtown-----	5A	Slight	Slight	Moderate	Moderate	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- 85 --- --- --- ---	--- 72 --- --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, pin oak, tuliptree, white ash, white oak.
LbF: Latham-----	3R	Severe	Severe	Severe	Moderate	Moderate	Virginia pine----- Black oak----- Northern red oak---- White oak-----	--- --- 59 ---	--- --- 43 ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak,



Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
LsA: Lobdell-----	5A	Slight	Slight	Slight	Slight	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- 87 --- 96 --- ---	--- 72 --- 86 --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, pin oak, tuliptree, white ash, white oak.
Sloan-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood-- Green ash----- Pin oak----- Red maple----- Swamp white oak-----	--- --- 86 --- ---	--- --- 72 --- ---	American sycamore, Norway spruce, eastern cottonwood, green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.
LvB: Loudonville----	4D	Slight	Slight	Slight	Moderate	Severe	Black cherry----- Black oak----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- --- 80 --- --- --- 75	--- --- --- 57 --- --- --- 57	Basswood, black walnut, eastern redcedar, eastern white pine, northern red oak, white ash, white oak.



Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
MaB: Martinsville----	5A	Slight	Slight	Slight	Slight	Severe	Northern red oak---- Sweetgum----- Tuliptree----- White oak-----	90 76 98 90	72 72 100 72	Black cherry, black walnut, eastern white pine, northern red oak, sugar maple, tuliptree, white ash, white oak.
MbB: Martinsville----	5A	Slight	Slight	Slight	Slight	Severe	Northern red oak---- Sweetgum----- Tuliptree----- White oak-----	90 76 98 90	72 72 100 72	Black cherry, black walnut, eastern white pine, northern red oak, sugar maple, tuliptree, white ash, white oak.
McD2: Mentor-----	5R	Moderate	Moderate	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 86 --- --- --- ---	--- --- 72 --- --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.
MfA: Millgrove-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood-- Green ash----- Pin oak-----	--- --- 86	--- --- 72	American sycamore, Norway spruce,

							Red maple-----	---	---	eastern
							Swamp white oak-----	85	72	cottonwood, green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.
MgA:										
Millgrove-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood--	---	---	American
							Green ash-----	---	---	sycamore,
							Pin oak-----	86	72	Norway spruce,
							Red maple-----	---	---	eastern
							Swamp white oak-----	85	72	cottonwood, green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.
MhA:										
Millgrove-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood--	---	---	American
							Green ash-----	---	---	sycamore,
							Pin oak-----	86	72	Norway spruce,
							Red maple-----	---	---	eastern
							Swamp white oak-----	85	72	cottonwood, green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
MoB: Milton-----	4D	Slight	Slight	Slight	Moderate	Moderate	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 80 --- 95 --- ---	--- --- 57 --- 100 --- ---	Basswood, black walnut, eastern redcedar, eastern white pine, northern red oak, white ash, white oak.
MoC2: Milton-----	4D	Slight	Slight	Slight	Moderate	Moderate	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 80 --- 95 --- ---	--- --- 57 --- 100 --- ---	Basswood, black walnut, eastern redcedar, eastern white pine, northern red oak, white ash, white oak.
MpD2: Milton-----	4R	Moderate	Moderate	Slight	Moderate	Moderate	Black cherry----- Black walnut----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- --- 80 --- 95 --- ---	--- --- 57 --- 100 --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.
Lybrand-----	4R	Moderate	Moderate	Slight	Slight	Severe	Black walnut----- Bur oak----- Northern red oak----	--- --- 80	--- --- 57	Norway spruce, black cherry, black walnut,

							Shagbark hickory----	---	---	eastern white
							Tuliptree-----	90	86	pine, green
							White oak-----	80	57	ash, northern
										red oak,
										tuliptree,
										white oak.
PaA:										
Pacer-----	5A	Slight	Slight	Slight	Slight	Severe	Black cherry-----	---	---	Norway spruce,
							Black walnut-----	---	---	black cherry,
							Northern red oak----	90	72	black walnut,
							Sugar maple-----	---	---	eastern white
							Tuliptree-----	---	---	pine, green
							White ash-----	---	---	ash, northern
							White oak-----	90	72	red oak, pin
										oak,
										tuliptree,
										white ash,
										white oak.
PwA:										
Pewamo-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood--	98	129	American
							Green ash-----	---	---	sycamore,
							Pin oak-----	90	72	Norway spruce,
							Red maple-----	71	43	eastern
							Swamp white oak-----	---	---	cottonwood,
							White ash-----	71	72	green ash, pin
										oak, red
										maple, silver
										maple, swamp
										white oak,
										sweetgum,
										white ash.
Pz:										
Pits-----	---	---	---	---	---	---	-----	---	---	---

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
RdB2: Rarden-----	4C	Slight	Slight	Moderate	Slight	Moderate	Black oak----- Northern red oak---- Red maple----- Slippery elm----- White ash-----	71 62 --- --- ---	57 43 --- --- ---	Austrian pine, black oak, green ash, pin oak, red maple, tuliptree, white ash, white oak.
RdC2: Rarden-----	4C	Slight	Slight	Moderate	Slight	Moderate	Black oak----- Northern red oak---- Red maple----- Slippery elm----- White ash-----	71 62 --- --- ---	57 43 --- --- ---	Austrian pine, black oak, green ash, pin oak, red maple, tuliptree, white ash, white oak.
RdF2: Rarden-----	3R	Severe	Severe	Severe	Slight	Moderate	Black cherry----- Northern red oak---- Red maple----- Slippery elm----- White ash-----	--- 58 --- --- ---	--- 43 --- --- ---	Norway spruce, black cherry, black walnut, eastern white pine, green ash, northern red oak, tuliptree, white oak.
RoA: Rossburg-----	5A	Slight	Slight	Slight	Slight	Severe	Black cherry----- Black walnut----- Northern red oak---- Sugar maple-----	--- --- --- ---	--- --- --- ---	Black cherry, black walnut, eastern white pine, northern



Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
ScB: Scioto-----	4F	Slight	Slight	Slight	Slight	Moderate	Black cherry----- Black oak----- Northern red oak---- Red maple----- Scarlet oak----- Tuliptree----- White oak-----	--- --- 70 --- --- --- 70	--- --- 57 --- --- --- 57	Norway spruce, black cherry, black walnut, eastern white pine, sugar maple, tuliptree, white ash.
SdC2: Scioto-----	4F	Slight	Slight	Moderate	Slight	Moderate	Black cherry----- Black oak----- Northern red oak---- Red maple----- Scarlet oak----- Tuliptree----- White oak-----	--- --- 70 --- --- --- 70	--- --- 57 --- --- --- 57	Norway spruce, black cherry, black walnut, eastern white pine, sugar maple, tuliptree, white ash.
SfA: Scioto-----	4F	Slight	Slight	Slight	Slight	Severe	Black cherry----- Black oak----- Northern red oak---- Red maple----- Scarlet oak----- Tuliptree----- White oak-----	--- --- 70 --- --- --- 70	--- --- 57 --- --- --- 57	Norway spruce, black cherry, black walnut, eastern white pine, sugar maple, tuliptree, white ash.
SgA: Shoals-----	5W	Slight	Moderate	Moderate	Moderate	Severe	Virginia pine----- Eastern cottonwood-- Pin oak----- Sweetgum----- Tuliptree-----	90 --- 90 86 90	129 --- 72 100 86	American sycamore, eastern cottonwood, pin oak, red

							White ash-----	---	---	maple, swamp white oak, sweetgum, tuliptree.
SkA: Sloan-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood--	---	---	American sycamore,
							Green ash-----	---	---	Norway spruce,
							Pin oak-----	86	72	eastern
							Red maple-----	---	---	cottonwood,
							Swamp white oak-----	---	---	green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.
SnA: Sloan-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood--	---	---	American sycamore,
							Green ash-----	---	---	Norway spruce,
							Pin oak-----	86	72	eastern
							Red maple-----	---	---	cottonwood,
							Swamp white oak-----	---	---	green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
SoA: Sloan-----	5W	Slight	Severe	Severe	Severe	Severe	Eastern cottonwood-- Green ash----- Pin oak----- Red maple----- Swamp white oak-----	--- --- 86 --- ---	--- --- 72 --- ---	American sycamore, Norway spruce, eastern cottonwood, green ash, pin oak, red maple, silver maple, swamp white oak, sweetgum, white ash.
SsA: Smothers-----	4D	Slight	Slight	Moderate	Moderate	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash----- White oak-----	--- 70 --- --- --- ---	--- 57 --- --- --- ---	American sycamore, black oak, eastern cottonwood, eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.
SsB: Smothers-----	4D	Slight	Slight	Moderate	Moderate	Severe	Black cherry----- Northern red oak---- Sugar maple----- Tuliptree----- White ash-----	--- 70 --- --- ---	--- 57 --- --- ---	American sycamore, black oak, eastern cottonwood,

							White oak-----	---	---	eastern redcedar, green ash, northern red oak, pin oak, red maple, silver maple, swamp white oak.
StA:										
Stone-----	5W	Slight	Severe	Moderate	Moderate	Severe	Black cherry-----	---	---	American
							Eastern cottonwood--	---	---	sycamore,
							Green ash-----	---	---	eastern
							Pin oak-----	86	72	cottonwood,
							Red maple-----	---	---	pin oak, red
							Swamp white oak-----	---	---	maple, swamp white oak, sweetgum, tuliptree.
SuA:										
Stone-----	5W	Slight	Severe	Moderate	Moderate	Severe	Black cherry-----	---	---	American
							Eastern cottonwood--	---	---	sycamore,
							Green ash-----	---	---	eastern
							Pin oak-----	86	72	cottonwood,
							Red maple-----	---	---	pin oak, red
							Swamp white oak-----	---	---	maple, swamp white oak, sweetgum, tuliptree.
Uc:										
Udorthents-----	---	---	---	---	---	---	-----	---	---	---
UdB:										
Udorthents, clayey-----	---	---	---	---	---	---	-----	---	---	---
Urban land-----	---	---	---	---	---	---	-----	---	---	---

Map symbol and soil name	Ordination symbol	Management concerns					Potential productivity			Suggested trees to plant
		Erosion hazard	Equipment limitation	Seedling mortality	Wind-throw hazard	Plant competition	Common trees	Site index	Volume of wood fiber	
Up: Udorthents-----	---	---	---	---	---	---	-----	---	---	---
Loamy-Pits-----	---	---	---	---	---	---	-----	---	---	---
W: Water-----	---	---	---	---	---	---	-----	---	---	---

