

Recommended Species for each Soil Group**(nn)** Denotes non-native to Iowa**(*)** Denotes a species especially susceptible to insects and/or disease

CSG	Description	Hardwoods	Evergreens	Shrubs
1 Moderately Wet	These deep soils are somewhat poorly drained with a seasonal high water table of 1 to 3.5 feet during the growing season (unless artificially drained). They contain less than 5% calcium carbonate. Soils are typically neutral to moderately acid. Suitability of this soil for: <u>Upland Oaks = moderately high</u> <u>Conifers = low</u> <u>Bottomland Hardwoods = high</u> SI= 56-65 Production = 150-199 board feet/acre/year	Hardwoods suitable for plantings consist of: • Bur Oak • Pin Oak • Swamp White Oak • Black Ash * • Green Ash * • Walnut (consult forester) • Pecan (consult forester) • Hackberry • Kentucky Coffee Tree • Shellbark Hickory (consult forester) • River Birch • Silver Maple • Sycamore • Cottonwood • Hybrid Poplar (nn) • Willow	<u>Evergreens</u> suitable for plantings consist of: • E. Red Cedar	<u>Shrubs</u> suitable for plantings consist of: • American Plum • Arrowwood • Buttonbush • Choke Cherry • Crabapple • Dogwood, Gray • Dogwood, Silky • Dogwood, Redosier • Elderberry • Hawthorn • Hazelnut • Highbush Cranberry • Nanking Cherry (nn) • Nannyberry • Ninebark • E. Redbud • Sandbar Willow • Serviceberry • Viburnum spp. • Paw Paw • Winterberry

96 - Turlin loam

CSG	Description	Hardwoods	Evergreens	Shrubs
2 Wet	These deep soils are poorly drained with a seasonal high water table within 1 foot of the soil surface during the growing season (unless artificially drained). These soils also appear on the Iowa list of Hydric soils unless they are organic soils, in which case they will be in Group 10. They contain less than 5% calcium carbonates. Soils are typically neutral to moderately acid. Suitability of this soil for: <u>Upland Oaks = low;</u> <u>Conifers = low</u> <u>Bottomland Hardwoods = moderately high</u> SI = <45 Production = <100 board feet/acre/year	<u>Hardwoods</u> suitable for plantings consist of: • Bur Oak • <u>Pin Oak</u> • <u>Swamp White Oak</u> • Green Ash • Hackberry • <u>River Birch</u> • Shellbark Hickory (consult forester) • Silver Maple • Sycamore • Cottonwood • Willow	<u>Evergreens</u> are not suitable for these sites.	<u>Shrubs</u> suitable for plantings consist of: • Buttonbush • Dogwood, Silky • Dogwood, Redosi • Elderberry • Winterberry
3 Well Drained Moist Loamy	These deep medium textured soils are moderately well or well drained. These soils typically contain 18-35% clay in the series control section. They are typically neutral or slightly acidic and have high available water capacity. Suitability of this soil for: <u>Upland Oaks = very high</u> <u>Conifers = very high</u> <u>Bottomland Hardwoods = very high</u> SI = 76-85 Production = 250-300 board feet/acre/year	<u>Hardwoods</u> suitable for plantings consist of: • Black Oak • Bur Oak • Chinkapin Oak • Red Oak • Swamp White Oak • White Oak • Black Ash • Green Ash • White Ash • Walnut • Pecan (consult forester) • Hackberry • Basswood • Kentucky Coffee Tree • Black Cherry • Shagbark Hickory • Hard Maple (Black, Sugar) • Silver Maple • Cottonwood • Hybrid Poplar (nn) • Butternut	<u>Evergreens</u> suitable for plantings consist of: • E. Red Cedar • E. White Pine • Jack Pine (nn) • Red Pine (nn) • Black Hills Spruce (nn) • Norway Spruce (nn) • White Spruce (nn) • White/Concolor Fir (nn) • Arborvitae (N. White Cedar) (nn)	<u>Shrubs</u> suitable for plantings consist of: • American Plum • Arrowwood • Buttonbush • Choke Cherry • Crabapple • Dogwood, Gray • Dogwood, Silky • Dogwood, Redosi • Elderberry • Hawthorn • Hazelnut • Highbush Cranber • Nanking Cherry (n) • Nannyberry • Ninebark • E. Redbud • Serviceberry • Viburnum spp. • Paw Paw • Blackhaw