

CLIMATE CHANGE AND SURVIVAL CAPABILITY

GOOD CAPABILITY	MIXED RESULTS	NEW HABITAT WITH MIGRATION POTENTIAL
American beech Post oak American holly Red maple Black cherry Sassafras Black oak Scarlet oak Blackgum Shagbark hickory Chestnut oak Sugar maple Eastern redcedar Sweetgum Mockernut hickory White oak Northern red oak Yellow poplar Pignut hickory	American elm Gray birch American hornbeam Green ash Bigtooth aspen Ironwood Eastern hemlock Silver maple Flowering dogwood Yellow birch	Chinkapin oak Sweetbay Loblolly pine Virginia pine Shortleaf pine Water hickory Southern red oak

SOURCE: www.fs.fed.us/nrs/atlas/combined/resources/summaries. More information on vulnerability and adaptation in the New England region can be found at www.forestadaptation.org/new-england.

NATIVE TREES SUITABLE FOR OUR PLANTING ZONE

MAPLES: Red maple (*Acer rubrum*), Sugar maple (*Acer saccharum*), Striped maple (*Acer pensylvanicum*), Mountain maple (*Acer spicatum*), Silver maple (*Acer saccharinum*)

BIRCHES: Yellow birch (*Betula alleghaniensis*), Black or sweet birch (*Betula lenta*)

HICKORIES: Bitternut hickory (*Carya cordiformis*), Shagbark hickory (*Carya ovata*), Pignut hickory (*Carya glabra*)

OAKS: White oak (*Quercus alba*), Chestnut oak (*Quercus montana*), Bur oak (*Quercus macrocarpa*), Red oak (*Quercus rubra*), Black oak (*Quercus velutina*)

CONIFERS: Red cedar (*Juniperus virginiana*), White pine (*Pinus strobus*)

OTHER TREES: Hackberry (*Celtis occidentalis*), Black walnut (*Juglans nigra*), Tuliptree (*Liriodendron tulipifera*), Cucumber magnolia (*Magnolia acuminata*), Black tupelo, Black

gum (*Nyssa sylvatica*), Hophornbeam (*Ostrya virginiana*), Sycamore (*Platanus occidentalis*), Black cherry (*Prunus serotina*), Basswood or linden (*Tilia americana*), Flowering dogwood (*Cornus florida*)

SUITABLE NATIVE UNDERSTORY TREES AND SHRUBS

Buttonbush (*Cephalanthus occidentalis*)
Pagoda dogwood (*Cornus alternifolia*)
Red-osier dogwood (*Cornus sericea*)
Yellow honeysuckle (*Diervilla lonicera*)
Witch hazel (*Hamamelis virginiana*)
Winterberry (*Ilex verticillata*)
Ninebark (*Physocarpus opulifolius*)
Elderberry (*Sambucus canadensis*)
Red elderberry (*Sambucus racemosa*)
Maple-leaved viburnum (*Viburnum acerifolium*)
Arrowwood (*Viburnum dentatum*)
Nannyberry (*Viburnum lentago*)
Fly honeysuckle (*Lonicera canadensis*)
Swamp rose (*Rosa palustris*)
Pasture rose (*Rosa carolina*)
Spicebush (*Lindera benzoin*)
Flowering raspberry (*Rubus odoratus*)
Chokecherry (*Prunus virginiana*)
Black chokeberry (*Aronia melanocarpa*)
Ironwood (*Carpinus caroliniana*).

SUITABLE NATIVE, FAST-GROWING TREES

Silver Maple
Black Willow
Quaking Aspen
Red Maple (many cultivars)
Eastern Arborvitae
River Birch
Pin Oak
Red Oak
Tulip Poplar
American Basswood (Linden)
Sweetgum