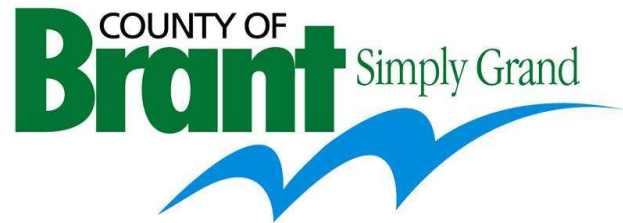


PLANNING DIVISION  
COUNTY OF BRANT



# RECOMMENDED PLANTING SPECIES

## COUNTY OF BRANT

August 2005

*January 16, 2008*

**PURPOSE**

These Guidelines were created to assist with the selection of plant materials that are to be used and not used when preparing landscaping plans within the County. The intent is to protect natural areas from invasive species that can have the affect of destroying natural habitat. By applying these standards to development applications, the County will assist in limiting the potential negative impacts invasive species can create, and at the same time, provide species that are native to the County. The materials to be used should be tolerant to urban conditions, and are encouraged to be of native species.

The Guidelines have been created with the assistance of the Grand River Conservation Authority, Jeff Thompson of Thompson Environmental Planning and Design, and County Staff.

# **Species Recommended For Use**

## **NATIVE TREE SPECIES**

### **BOTANICAL NAME**

### **COMMON NAME**

#### **Pinaceae**

Abies balsamea  
Larix laricina  
Picea mariana  
Pinus strobus  
Tsuga canadensis

#### **Pine Family**

Balsam fir  
Tamarack  
Black spruce  
Eastern white pine  
Eastern hemlock

#### **Cupressaceae**

Juniperus virginiana  
Thuja occidentalis

#### **Cypress Family**

Eastern red cedar  
Eastern white cedar

#### **Salicaceae**

Populus balsamifera  
Populus deltoides  
Populus grandidentata  
Populus tremuloides  
Salix amygdaloides  
Salix bebbiana  
Salix lucida  
Salix discolor  
Salix nigra

#### **Willow Family**

Balsam poplar  
Eastern cottonwood  
Large tooth aspen  
Trembling aspen  
Peach-leaf willow  
Bebb or Beaked willow  
Shining willow  
Pussy willow  
Black willow

#### **Juglandaceae**

Carya cordiformis  
Carya glabra  
Carya ovalis  
Carya ovata  
Juglans cinerea  
Juglans nigra

#### **Walnut Family**

Bitternut hickory  
Pignut hickory  
Red hickory  
Shagbark hickory  
Butternut  
Black walnut

#### **Corylaceae**

Carpinus caroliniana  
Betula lutea  
Betula papyrifera  
Ostrya virginiana

#### **Hazel Family**

Blue-beech, Ironwood  
Yellow birch  
White birch  
Hop-Hornbeam

#### **Fagaceae**

Castanea dentata  
Fagus grandifolia  
Quercus alba  
Quercus bicolor  
Quercus macrocarpa  
Quercus rubra  
Quercus velutina

#### **Beech Family**

Sweet or American (Rare Species) Chestnut  
Beech  
White oak  
Swamp White oak  
Bur oak  
Red oak  
Black or Yellow-barked oak

**Ulmaceae**

Celtis occidentalis  
Ulmus americana  
Ulmus thomasii  
Ulmus rubra

**Lauraceae**

Sassafras albidum

**Hamamelidaceae**

Hamamelis virginiana

**Platanaceae**

Patanus occidentalis

**Rosaceae**

Amelanchier laevis  
Amelanchier arborea  
Crataegus crus-galli  
Crataegus chrysoarpa  
Crataegus holmesiana  
Crataegus pruinosa  
Cragaeus punctata  
Malus coronaria  
Prunus americana  
Prunus nigra  
Prunus pennsylvanica  
Prunus serotina  
Prunus virginiana

**Anacardiaceae**

Rhus typhina

**Aceraceae**

Acer saccharinum ssp. nigrum  
Acer rubrum  
Acer saccharinum  
Acer saccharum  
Acer spicatum

**Tillaceae**

Tilia americana

**Cornaceae**

Cornus alternifolia

**Oleaceae**

Fraxinus americana  
Fraxinus nigra  
Fraxinus pennsylvanica  
Fraxinus pennsylvanica  
Var. subintegerrima

**Elm family**

Hackberry  
White elm  
Rock elm  
Slippery elm

**Laurel Family**

White sassafras

**Witch-Hazel Family**

Witch hazel

**Plane-tree Family**

American sycamore

**Rose Family**

Allegheny or Smooth serviceberry  
Downy serviceberry  
Cockspur hawthorn  
Golden-fruited hawthorn  
Holmes hawthorn  
Frosty hawthorn  
Dotted hawthorn  
Wild crab apple  
Wild plum  
Canada plum  
Pin cherry  
Black cherry  
Choke cherry

**Cashew Family**

Staghorn sumac

**Maple Family**

Black maple  
Red maple  
Silver maple  
Sugar maple  
Mountain maple

**Linden Family**

Basswood

**Dogwood Family**

Alternate-leaved dogwood

**Olive Family**

White ash  
Black ash  
Red ash  
Green ash

**Caprifollaceae**

Viburnum lentago

**Honey Suckle Family**

Nannyberry

**NATIVE SHRUB SPECIES**

**BOTANICAL NAME**

**COMMON NAME**

**Taxaceae**

Taxus canadensis

**Yew Family**

American yew, Ground hemlock

**Cupressaceae**

Juniperus communis

**Cypress Family**

Ground or common juniper

**Lillaceae**

Smilax hispida

**Lily Family**

Bristly greenbrier

**Sallicaceae**

Salix candida

Salix eriocephala

Salix rigida

Salix exigua

Salix humilis

Salix petiolaris

**Willow Family**

Sage-leaved or Hoary willow

Heart-leaved willow

Willow

Sandbar willow

Upland, Prairie, or Small Pussy willow

Slender willow

**Betulaceae**

Corylus americana

Corylus cornuta

**Birch Family**

Hazelnut, American hazel

Beaked hazel

**Ranunculaceae**

Clematis virginiana

**Buttercup Family**

Virgin's bower

**Rosaceae**

Aronia melanocarpa

Physocarpus opulifolius

Rosa blanda

Rosa carolina

Rosa palustris

Rubus allegheniensis

Rubus canadensis

Rubus occidentalis

Rubus pubescens

Rubus strigosus

Spiraea alba

**Rose Family**

Chokeberry

Ninebark

Smooth wild rose

Pasture rose

Swamp rose

Common or High-bush Blackberry

Smooth blackberry

Black raspberry

Dwarf raspberry

Wild Red raspberry

Narrow-leaved meadowsweet

**Rutaceae**

Zanthoxylum americanum

**Rue Family**

Prickly ash

**Aquifoliaceae**

Ilex verticillata

**Holly Family**

Winterberry, Black alder

**Celastraceae**

**Staff-Tree Family**

Celastrus scandens  
Euonymus atropurpureus  
Euonymus obovatus

**Staphyleaceae**

Staphylea trifolia

**Rhamnaceae**

Ceanothus americanus

**Vitaceae**

Parthenocissus inserta  
Vitis aestivalis  
Vitis riparia

**Thymelaeaceae**

Dirca palustris

**Cornaceae**

Cornus amomum  
Cornus canadensis  
Cornus foemina  
Cornus rugosa  
Cornus stolonifera

**Ericaceae**

Vaccinium angustifolium  
var.nigrum  
Vaccinium myrtilloides

**Rubiaceae**

Cephalanthus occidentalis  
Mitchella repens

**Caprifollaceae**

Diervilla lonicera  
Linnaea borealis  
Lonicera canadensis  
Lonicera dioica  
Sambucus canadensis  
Sambucus pubens  
Symphoricarpos albus  
Viburnum acerifolium  
Viburnum cassinoides  
Viburnum lentago  
Viburnum rafinesquianum  
Viburnum trilobum

Bittersweet  
Burning bush, Wahoo  
Running strawberry bush

**Bladdernut Family**

Bladdernut

**Buckthorn Family**

New Jersey tea

**Grape Family**

Virginia creeper  
Summer grape  
Riverbank or Frost grape

**Mezereum Family**

Leatherwood, Moosewood

**Dogwood Family**

Silky dogwood  
Bunchberry  
Gray dogwood  
Round-leaved dogwood  
Red osier dogwood

**Heath Family**

Low sweet blueberry  
Velvet-leaf blueberry

**Madder Family**

Button bush  
Partridge berry

**Honeysuckle Family**

Bush honeysuckle  
Twinner  
Canada Fly Honeysuckle  
Smooth honeysuckle  
Elderberry, American elder  
Elderberry, Red-berried elder  
Snowberry  
Maple-leaved viburnum  
Wild raisin, Witherod  
Nannyberry  
Downy arrow-wood  
High-bush cranberry

## **Species NOT Recommended For Use**

The following native species are not recommended for general use, as they are highly restricted to specific habitats in the County of Brant. They should be planted only in the immediate vicinity of areas where they now exist or have been reliably documented in the past.

### **TREES**

#### **BOTANICAL NAME**

#### **COMMON NAME**

##### **Corylaceae**

Betula populifolia

##### **Hazel Family**

Grey birch

##### **Fagaceae**

Quercus ellipsoidalis

##### **Beech Family**

Northern Pin oak

##### **Rosaceae**

Sorbus americana

##### **Rose Family**

American Mountain ash

### **SHRUBS**

#### **BOTANICAL NAME**

#### **COMMON NAME**

##### **Myricaceae**

Comptonia peregrina  
Myrica gale

##### **Bayberry Family**

Sweet fern  
Sweet gale

##### **Betulaceae**

Betula pumila var.  
glandulifera

##### **Birch Family**

Dwarf birch

##### **Rosaceae**

Amelanchier humilis  
Amelanchier sanguinea  
Amelanchier stolonifera  
Rubus flagellaris  
Rubus hispidus  
Rubus odoratus

##### **Rose Family**

Serviceberry, Shadbush, Juneberry  
Shadbush, Serviceberry  
Serviceberry  
Northern dewberry  
Swamp dewberry  
Purple-flowering raspberry

##### **Anacardiaceae**

Rhus aromatica

##### **Cashew Family**

Fragrant sumac

##### **Elaeagnaceae**

Shepherdia canadensis

##### **Oleaster Family**

Buffalo berry, Soapberry

##### **Arallaceae**

Aralia hispida

##### **Ginseng Family**

Bristly sarsaparilla

**Pyrolaceae**

Chimaphila umbellata

**Ericaceae**

Andromeda polifolia

ssp. glaucophylla

Arctostaphylos uva-ursi

Chamaedaphne  
calyculata

Epigaea repens

Gaultheria hispidula

Gaultheria procumbens

Gaylussacia baccata

Kalmia polifolia

Ledum groenlandicum

Vaccinium corymbosum

Vaccinium macrocarpon

Vaccinium oxycoccos

Vaccinium pallidum

**Caprifoliaceae**

Lonicera hirsuta

Lonicera oblongifolia

Viburnum lantanoides

**Wintergreen Family**

Prince's pine Pipsissewa

**Heath Family**

Bog-rosemary

Bearberry

Leatherleaf, Cassandra

Trailing arbutus

Snowberry

Wintergreen

Checkerberry

Black huckleberry

Bog-laurel, Pale-laurel

Labrador tea

High-bush blueberry

Large cranberry

Small cranberry

Dryland or low blueberry

**Honeysuckle Family**

Hairy honeysuckle

Swamp fly honeysuckle

Hobble-bush



## **Invasive Alien Herbaceous Species**

The following herbaceous species are **NOT** suitable for restoration and landscaping within and adjacent to Environmentally Sensitive Policy Areas because they are alien and/or highly invasive.

### **BOTANICAL NAME**

### **COMMON NAME**

#### **Butomaceae**

Butomus umbellatus

#### **Flowering Rush Family**

Flowering Rush

#### **Hydrocharitaceae**

Hydrocharis morus-ranae

#### **Frog's-Bit Family**

Frog's-bit

#### **Gramineae**

Agropyron pectiniforme  
Agropyron repens  
Bromus inermis  
Miscanthus sinensis  
Phalaris arundinacea  
Phragmites australis

#### **Grass Family**

Crested wheat grass  
Quack grass  
Smooth brome grass  
Feather grass  
Reed canary grass  
Reed

#### **Lillaceae**

Convallaria majalis  
Hemerocallis spp.  
Polygonatum cuspidatum

#### **Lily Family**

Lily of the valley-Domestic  
Daylily  
Knotweed

#### **Iridaceae**

Iris pseudacorus

#### **Iris Family**

Yellow Iris

#### **Papaveraceae**

Chelidonium majus

#### **Poppy Family**

Celandine

#### **Cruciferae**

Alliaria petiolata  
Cheiranthus cheiri  
Hesperis matronalis

#### **Mustard Family**

Garlic mustard  
Wallflower  
Dame's rocket

#### **Leguminosae**

Coronilla varia  
Lotus corniculatus  
Lathyrus latifolius  
Medicago lupulina  
Melilotus alba  
Melilotus officinalis  
Trifolium hybridum  
Trifolium pratense  
Trifolium repens  
Vicia cracca

#### **Pulse Family**

Crown vetch  
Bird-foot trefoil  
Sweet or Perennial pea  
Black medick  
White sweet clover  
Yellow sweet clover  
Alsike clover  
Red clover  
White clover  
Tufted-vetch

#### **Euphorblaceae**

#### **Spurge Family**

Euphorbia cyparissias  
Euphorbia esula

**Balsaminaceae**

Impatiens glandulifera  
Guhiferacea  
Hypericum perforatum

**Malvaceae**

Malva moschata

**Violaceae**

Viola odorata

**Lythraceae**

Lythrum salicaria  
Haloragaceae  
Myriophyllum spicatum

**Umbelliferae**

Aegopodium podagraria  
Pastinaca sativa

**Primulaceae**

Lysimachia nummularia

**Apocynaceae**

Vinca minor

**Asclepiadaceae**

Cynanchum spp.

**Boraginaceae**

Myosotis scorpioides

**Lablatae**

Ajuga reptans  
Glechoma hederacea

**Rublanceae**

Galijm mollugo

**Dipsacaceae**

Dipsacus laciniatus  
Dipsacus sylvestris

**Campanulaceae**

Campampanula rapunculoides

**Compositae**

Achillea millefolium  
Centaurea maculata  
Chrysanthemum leucanthemum

Cypress spurge  
Leafy spurge

**Touch-me-not-Family**

Pink touch-me-not  
St. John's Wort Family  
St. John's wort

**Mallow Family**

Musk-mallow

**Violet Family**

Sweet or English violet

**Loosestrife Family**

Purple loosestrife  
Water Milfoil Family  
Eurasian Water-Milfoil

**Parsley Family**

Goutweed  
Wild parsnip

**Primrose Family**

Moneywort

**Dogbane Family**

Periwinkle

**Milkweed Family**

Dog strangling vine

**Borage Family**

True Forget-me-not

**Mint Family**

Bugle  
Ground Ivy

**Madder Family**

Wild madder

**Teasel Family**

Cut-leaved teasel  
Teasel

**Bluebell Family**

Creeping bellflower

**Composite Family**

Common yarrow  
Knapweed  
Ox-eye or Common daisy

Cirsium arvens  
Senecio jacobaea  
Tanacetum vulgare  
Tussilago farfara

Canada thistle  
Stinking willie  
Common tansy  
Coltsfoot

Trees and shrubs listed on this page, although native species to Carolinian Forests, occur in small percentages in their native environment and require specific site conditions for successful establishment and growth. A comprehensive description of the silvicultural methods necessary to ensure successful regenerations of the species listed below will be required to achieve desirable results.

**BOTANICAL NAME**

**COMMON NAME**

**Juglanaccae**

Carya glabra  
Carya laciniosa

**Walnut Family**

Pignut Hickory  
Big Shellbark Hickory

**Cornaccae**

Nyssa sylvatica

**Dogwood Family**

Black Gum

**Corylaceae**

Betula lenta

**Hazel Family**

Cherry Birch

**Fagaceae**

Castanea dentate  
Quercus ellipsoidalis  
Quercus muhlenbergii  
Quercus prinoides

**Beech Family**

American Chestnut  
Hills Oak  
Chinquapin Oak  
Dwarf Chinquapin Oak

**Rutaceae**

Ptelea trifoliata

**Rue Family**

Common Hoptree

**Magnoliaceae**

Magnolia acuminata

**Magnolia Family**

Cucumber Tree

**Fabaceae**

Gymnocladus dioicus  
Cercis canadensis

**Legume Family**

Kentucky coffeetree  
Eastern redbud

**Hippocastinaceae**

Aesculus glabra

**Chestnut Family**

Ohio buckeye

**Moraceae**

Morus rubra

**Mulberry Family**

Red mulberry

## **Invasive Alien Tree and Shrub Species**

The following tree and shrub species are **NOT** suitable for restoration and landscaping within and adjacent to Environmentally Sensitive Policy Areas because they are alien and or highly invasive.

### **TREES**

#### **BOTANICAL NAME**

#### **COMMON NAME**

##### **Salicaceae**

Populus alba

##### **Willow Family**

White poplar

##### **Betulaceae**

Alnus glutinosa

##### **Birch Family**

Black alder

##### **Ulmaceae**

Ulmus parviflora

Ulmus pumila

##### **Elm Family**

Chinese elm

Siberian elm

##### **Moraceae**

Morus alba

##### **Mulberry Family**

White mulberry

##### **Leguminosae**

Robinia pseudoacacia

##### **Pea Family**

Black locust

##### **Simaroubaceae**

Ailanthus altissima

##### **Quassia Family**

Tree-of-heaven

##### **Aceraceae**

Acer ginnala

Acer negundo

Acer platanoides

##### **Maple Family**

Amur maple

Manitoba maple

Norway maple

##### **Rhamnaceae**

Rhamnus cathartica

Rhamnus frangula

##### **Buckthorn Family**

Common buckthorn

Glossy buckthorn

##### **Elaeagnaceae**

Elaeagnus angustifolia

##### **Oleaster Family**

Russian olive

### **SHRUBS**

#### **BOTANICAL NAME**

#### **COMMON NAME**

##### **Berberidaceae**

Berberis thunbergii

Berberis vulgaris

##### **Barberry Family**

Japanese barberry

European barberry

**Rosaceae**

Rosa multiflora

**Celastraceae**

Euonymus alatus  
Euonymus fortunei  
Ligustrum vulgare

**Vitaceae**

Hedera helix

**Apocynaceae**

Vinca minor

**Caprifoliaceae**

Lonicera japonica  
Lonicera tartarica  
Viburnum opulus var. opulus  
Viburnum lantana

**Rose Family**

Multiflora rose

**Staff-Tree Family**

Burning bush  
Wintercreeper  
Common privet

**Grape Family**

English Ivy

**Dogbane Family**

Periwinkle

**Honeysuckle Family**

Japanese honeysuckle  
Tartarian honeysuckle  
European cranberry  
Wayfaring tree