

# Ferguson Township Tree Commission (FTTC)

## Public Hearing Agenda

**Date: November 16, 2015**

**Time: 5:30pm**

### Call to Order

#### Approval of October 13 and 20, 2015 Meeting Minutes:

The FTTC should review and approve the minutes.

#### Review of Planting Plans for Surety Tree Replacements

FTTC should review planting plans for surety tree replacements. The trees, located in Hunters Chase Phase 7, Hunters Chase Phase 9, and Foxpointe Phase 10, were planted by the developer and did not pass their final inspection. These trees will be replaced as part of the 2015 Street Tree Planting Contract.

#### Recommendation on the use of Root Barriers in Ferguson Township

FTTC should discuss the use of root barriers in the township. FTTC should recommend to staff guidelines for the use of or non-use root barriers in the future.

#### Recommendation on the trimming of private trees in the Public Right of Way

FTTC should discuss the trimming of private trees in the public right of way. Currently no ordinance exists to force property owners to trim private trees over streets or bike paths. This is done by FTPW. An ordinance is enforced for the trimming of private trees over sidewalks. FTTC should recommend to staff how this trimming should be handled in the future.

#### Review of the Official Township Plant List Resolution 99-36 and Resolution 2000-22

FTTC should begin the review of the Official Township Plant List. These Resolutions determine the acceptable plant species for use in buffer yard and parking lot plantings for subdivision and land development in the township.

#### Arborist Report:

Arborist will report on activity since the last meeting of the FTTC.

#### Communications to Commission Members:

#### Future agenda items:

Finalize recommended amendments to the Official Township Plant List. Begin review of sections 22-509 and 27-807 of the Code of Ordinances. Discuss educational tools for the FTTC. Create 2016 FTTC Meeting schedule and work plan.

#### Other

Next meeting date and time is January 18, 2016 at 5:30 pm.

## FERGUSON TOWNSHIP TREE COMMISSION

Regular Meeting  
Monday, October 13, 2015  
6:30 pm

### I. ATTENDANCE

The Tree Commission held its first public hearing on Tuesday, October 13, 2015 at the Ferguson Township Municipal Building. In attendance were:

<b>Commission:</b> Marc McDill, Chairman	<b>Staff:</b> Lance King, Arborist
Troy Bayletts	Dave Modricker, Director of Public Works
Darlene Chivers	
Jackie Esposito	
Mike Jacobson	

Others in attendance included: Heather Bird, Recording Secretary; Dick Anderson, Christopher Temple

### II. CALL TO ORDER

Mr. McDill called the Tuesday, October 13, 2015 Ferguson Township Tree Commission meeting to order at 6:30 pm.

### III. APPROVAL OF SEPTEMBER 21, 2015 REGULAR MEETING MINUTES

Ms. Esposito made a motion to APPROVE the September 21, 2015 regular meeting including revisions provided by Ms. Chivers. Mr. Jacobson seconded the motion. The motion passed unanimously.

### IV. PUBLIC HEARING FOR TREE REMOVAL AND REPLACEMENT FOR GREENLEAF MANOR AND LEXINGTON PLACE NEIGHBORHOODS

Mr. McDill stated the public hearings will be held for Greenleaf Manor and Lexington Place.

Mr. Dick Anderson, 375 Farmstead Lane, requested the street tree replacements be maple trees instead of tulip poplar. Mr. Jacobson asked why and Mr. Anderson stated he prefers a maple tree. Mr. McDill stated the Tree Commission likes to diversify the tree population and currently the red maple is the most common species in the Township tree inventory with 25% of inventory being maple trees. At this time the Tree Commission is not recommending maples be planted to avoid the potential loss of a great number of trees of any one species due to disease. Mr. McDill suggested that Mr. Anderson find another tree species to plant. Ms. Chivers suggested a black gum cultivar. Mr. Anderson asked for time to research further to decide on the type of tree to plant.

Mr. Christopher Temple, 2214 Charleston – Lexington Place, asked what size trees will be planted for replacements in front of his home. Mr. McDill stated a 1 ½ inch caliper tree is generally planted but if the owner would like a larger tree to be planted they could upgrade and pay the difference in cost for that upgrade. Mr. Modricker stated that the upgrade cost to a 2 ½ inch caliper tree would be approximately \$50 to \$100. Mr. Temple asked when he would need to make the decision on upgrading to a larger tree size and would the tree be planted in the same hole as the previous tree. Mr. McDill stated that would need to be decided in the next month and Mr. Modricker stated that they would attempt to place the tree as close to the previous location as possible.

Mr. King presented a letter from Mr. John Hook to the Commission regarding two ash trees in front of his home. Mr. Hook has been treating these two ash trees with a treatment that he purchased at Lowes. He stated the trees seem to be responding well to treatment and requested that the Commission hold off on removing those trees for one year. Mr. McDill asked if there was a potential for these trees becoming hazard trees. Mr. King stated at this time they are not hazard trees but he does not think the trees will survive. When Mr. King tagged the trees for removal the residents stated they had thought that the trees belonged to them. Mr. King informed them that in order to complete any work on a tree a permit would need to be obtained from the Township. He suggested that the Commission allow the tree to remain for one year but require a certified arborist to complete the treatments. Mr. McDill is concerned with maintaining the treatment of these two trees. Mr. King stated that he does not think most tree companies would be willing to treat a tree in this state. Mr. McDill suggested allowing the residents to keep the trees for one more year and that they cannot get a permit to treat the trees and the Township will not treat them. If treated the application must be done by a licensed applier.

#### **V. OTHER**

The Commission discussed the reasons that a permit would be issued for work on trees throughout the Township. Mr. Modricker stated the permits would be for work such as boring under an existing canopy and driveway installations; they would be issued more for protection of trees than treatment of trees. Also, an organized group such as a homeowner's association could potentially present a planting plan and receive a permit to complete the work.

The Township pruning contract is currently out to bid.

Mr. McDill commented about the need to have more public outreach. He stated they should get an article out advising residents not to trim their oak trees yet and should wait until the temperature is below freezing. Mr. Modricker stated that someone should write up the information and get it to Diana for release online and in newsletter.

#### **VI. ADJOURNMENT**

With no further business, the October 13, 2015 Tree Commission public hearing was adjourned at 7:56 p.m.

RESPECTFULLY SUBMITTED,

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David Modricker, Director of Public Works  
For the Tree Commission

## FERGUSON TOWNSHIP TREE COMMISSION

Regular Meeting  
Monday, October 20, 2015  
6:30 pm

### I. ATTENDANCE

The Tree Commission held its second public hearing on Tuesday, October 20, 2015 at the Ferguson Township Municipal Building. In attendance were:

**Commission:** Marc McDill, Chairman  
Troy Bayletts  
Darlene Chivers  
Jackie Esposito  
Mike Jacobson

**Staff:** Lance King, Arborist

Others in attendance included: Heather Bird, Recording Secretary; Mark Noel, John Hook

### II. CALL TO ORDER

Mr. Jacobson called the Tuesday, October 20, 2015 Ferguson Township Tree Commission meeting to order at 6:40 pm.

### III. PUBLIC HEARING FOR TREE REMOVAL AND REPLACEMENT FOR COBBLE CREEK, STABLE HILL, CHESTNUT RIDGE MANOR AND OTHER MISCELLANEOUS LOCATIONS IN FERGUSON TOWNSHIP

Mr. Jacobson stated the public hearings will be discussed for Cobble Creek, Stable Hill, Chestnut Ridge Manor and other miscellaneous locations.

Mr. Mark Noel, Chestnut Ridge Manor (CRM), stated the Township planting plan indicates the trees the CRM HOA selected will be planted. He asked when the Township might start removing trees. Mr. King stated they will be marked by the end of this week and then the removals will be scheduled by the Public Works Department. He anticipates the removals to occur around the end of October to early November. Mr. King stated if any tree is definitely a hazard currently please let him know so he may get that removed immediately.

Mr. Noel confirmed a previous request that in the future if a maple tree along Harvest Ridge is removed that it be replaced with a maple tree.

Mr. King confirmed with Mr. Noel that the CRM HOA wished to have the upsizing of the trees for the additional cost. Mr. Noel confirmed that was correct.

Mr. John Hook, resident, wrote a letter that was discussed at the previous public hearing. He requested the two trees in front of his home be left for one year. Mr. Hook came for clarification on why the trees were not to be treated. He stated he purchased a soil drench product locally at Lowes or Home Depot. He noted the cost for the product is good, and that one tree is looking good and the other tree, while still a declined tree, has shown improvements. Mr. McDill stated that the Commission is concerned about permitting residents to do soil drenching and the effect it could have on the water runoff on the street. Mr. Hook stated this treatment has no known harmful effects to humans. Mr. Hook stated mature trees help with stormwater management. Mr. McDill stated that it can be better to replace a dying tree quickly and get the new tree in and established. The Commission agreed to allow Mr. Hook to keep the tree for one year before removal.

**IV. OTHER**

The Commission reviewed the final PRD submitted by Toll Brothers for The Cottages at State College. Mr. King reviewed the plan and his comments with the Commission. The Commission was disappointed that the recommendation for more trees on site was ignored.

The Commission would like the subdivision and land development ordinance reviewed with respect to the requirements for trees for future developments in the Township.

**V. ADJOURNMENT**

With no further business, the October 20, 2015 Tree Commission public hearing was adjourned at 7:33 p.m.

RESPECTFULLY SUBMITTED,

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David Modricker, Director of Public Works  
For the Tree Commission

RESOLUTION NO. 99-36

A RESOLUTION OF THE TOWNSHIP OF FERGUSON, CENTRE COUNTY,  
PENNSYLVANIA, ESTABLISHING AN OFFICIAL TOWNSHIP PLANT LIST.

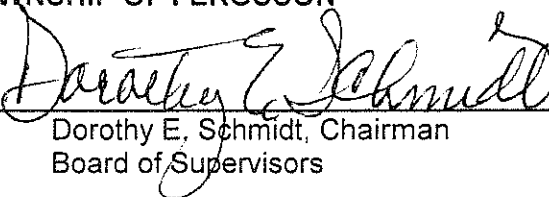
Section 1. The Board of Supervisors of the Township of Ferguson, hereby resolves to establish an Official Township Plant List to be used as a guide for the selection of appropriate trees and landscape planting materials. Said Official Township Plant List (OTPL) shall be used for land development and subdivision plans where a landscaping plan or street trees are required.

Section 2. Now, therefore, the Board of Supervisors of the Township of Ferguson resolves to adopt the Official Township Plant List for the Township of Ferguson, attached hereto as Exhibit "A".

ADOPTED, this 13<sup>th</sup> day of December, 1999.

TOWNSHIP OF FERGUSON

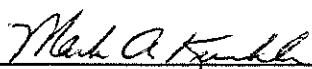
By:

  
Dorothy E. Schmidt, Chairman  
Board of Supervisors

[ S E A L ]

ATTEST:

By:

  
Mark A. Kunkle, Secretary

## Official Township Plant List

Please use the following list to determine plant selection and sizing for all required plantings. When possible, the pH of the site should be determined in order to select the most appropriate plant material.

### Woody Plants best adapted to acidic soils - pH 5.5-6.0

Genus species - Common Name	Height	Spread
<b>Canopy Trees</b>		
Betula nigra 'Heritage' - Heritage River Birch	35'	20'
Betula papyrifera - Paper Birch	50'	25'
Fagus grandifolia - American Beech	60'	50'
Fagus sylvatica - European Beech	60'	45'
Larix decidua - European Larch	60'	30'
Nyssa sylvatica - Black Gum	50'	30'
Oxydendron arboreum - Sourwood	25'	20'
Quercus alba - White Oak	75'	90'
Quercus imbricaria - Shingle Oak	50'	60'
Quercus palustris - Pin Oak	50'	35'
Quercus phellos - Willow Oak	50'	40'
Quercus rubra - Red Oak	60'	60'
Sassafras albidum - Sassafras	30'	25'
<b>Understory Trees</b>		
Acer palmatum cv. - Japanese Maple	20'	20'
Amelanchier species - Serviceberry	20'	15'
Chionanthus virginicus - White Fringe Tree	20'	20'
Cornus alternifolia - Pagoda Dogwood	15'	25'
Cornus florida - Flowering Dogwood	15'	15'
Cornus kousa - Kousa Dogwood	20'	20'
Franklinia alatamaha - Franklina	15'	12'
Halesia tetraptera - Carolina Silverbell	25'	20'
Magnolia species - Magnolia	15'	10'
Malus species - Crabapple	15'	15'
Stewartia pseudocamellia - Japanese Stewartia	25'	20'
Styrax japonicus - Japanese Snowbell	20'	25'
<b>Evergreen Trees</b>		
Abies fraseri - Fraser Fir	35'	25'
Picea abies - Norway Spruce	50'	30'
Picea orientalis - Oriental Spruce	50'	30'
Pinus bungeana - Lacebark Pine	30'	20'
Pinus flexilis - Limber Pine	50'	35'
Pinus resinosa - Red Pine	35'	25'
Pinus strobus - Eastern White Pine	50'	30'
Pinus sylvestris - Scotch Pine	40'	30'
Pinus thunbergii - Japanese Black Pine	20'	20'
Pinus nigra - Austrian Pine	50'	35'
Tsuga canadensis - Canada Hemlock	60'	30'
Tsuga caroliniana - Carolina Hemlock	50'	20'

**EXHIBIT**

A

**Shrubs**

<i>Aesculus parviflora</i> - Bottlebrush Buckeye	10'	12'
<i>Aronia arbutifolia</i> - Red Chokeberry	8'	4'
<i>Azalea</i> species - Azalea	variable	
<i>Enkianthus campanulatus</i> - Redvein Enkianthus	8'	6'
<i>Ilex crenata</i> - Japanese Holly	3'	4'
<i>Ilex glabra</i> 'Compacta' - Dwarf Inkberry Holly	5'	8'
<i>Ilex opaca</i> - American Holly	15'	10'
<i>Juniperus chinensis</i> cultivars	variable	
<i>Juniperus horizontalis</i> 'Wiltoni' - Wilton Juniper	6"	10'
<i>Kalmia angustifolia</i> - Sheep Laurel	2'	2'
<i>Kalmia latifolia</i> - Mountain Laurel	10'	8'
<i>Leucothoe fontanesiana</i> - Drooping Leucothoe	3'	3'
<i>Lindera benzoin</i> - Spicebush	8'	10'
<i>Mahonia aquifolium</i> - Oregon Grape Holly	5'	5'
<i>Myrica pensylvanica</i> - Northern Bayberry	10'	10'
<i>Pieris japonica</i> - Japanese Pieris	10'	8'
<i>Pinus mugo</i> var. <i>mugo</i> - Mugo Pine	4'	8'
<i>Rhododendron</i> 'PJM' - PJM Rhododendron	5'	4'
<i>Rhododendron catawbiense</i> - Hybrid Rhododendron	10'	10'
<i>Stephanandra incisa</i> 'Crispa' - Curly Stephanandra	2'	4'

**Woody Plants best adapted to slightly acidic soils - pH 6.1-6.9**

<u>Genus species - Common Name</u>	<u>Height</u>	<u>Spread</u>
<b>Canopy Trees</b>		
<i>Acer rubrum</i> - Red Maple	50'	40'
<i>Acer saccharum</i> - Sugar Maple	60'	40'
<i>Aesculus glabra</i> - Ohio Buckeye	40'	35'
<i>Carpinus caroliniana</i> - American Hornbeam	25'	25'
<i>Castanea</i> species - Chestnut	25'	25'
<i>Fraxinus pennsylvanica</i> - Marshall Seedless Ash	50'	40'
<i>Liquidambar styraciflua</i> - Sweetgum	60'	40'
<i>Liriodendron tulipifera</i> - Tulip Tree	80'	40'
<i>Metasequoia glyptostroboides</i> - Dawn Redwood	70'	30'
<i>Platanus x acerifolia</i> - London Planetree	70'	65'
<i>Quercus coccinea</i> - Scarlet Oak	75'	50'
<i>Quercus shumardii</i> - Shumard Oak	50'	50'
<i>Ulmus parvifolia</i> - Lacebark Elm	40'	40'
<i>Ulmus pumila</i> - Siberian Elm	50'	35'
<b>Understory Trees</b>		
<i>Ostrya virginiana</i> - American Hophornbeam	30'	20'
<i>Sorbus aucuparia</i> - European Mountain Ash	30'	20'
<b>Evergreen Trees</b>		
<i>Cedrus libani</i> - Cedar of Lebanon	40'	50'
<i>Picea pungens</i> var. <i>glauca</i> - Blue Colorado Spruce	60'	20'
<i>Pseudotsuga menziesii</i> - Douglas Fir	80'	20'
<i>Thuja occidentalis</i> - American Arborvitae	40'	10'



**Shrubs**

Berberis thunbergii - Japanese Barberry	5'	6'
Buxus sempervirens - English Boxwood	15'	15'
Chaenomeles speciosa - Flowering Quince	8'	8'
Deutzia gracilis - Slender Deutzia	4'	5'
Euonymus fortuneii cultivars - Wintercreeper Euonymus	2'	4'
Spiraea x bumalda 'Anthony Waterer' - Anthony Waterer Spirea	4'	5'
Spiraea japonica 'Little Princess' - Little Princess Spirea	3'	5'
Spiraea japonica 'Shirobana' - Shirobana Spirea	3'	3'
Spiraea thunbergii - Thunberg Spirea	5'	5'
Spiraea x vanhouttei - Vanhoutte Spirea	6'	10'
Symphoricarpos albus - Snowberry	5'	5'
Symphoricarpos orbiculatus - Coralberry	4'	6'
Taxus cuspidata cultivars - Japanese Yew	4'	6'
Taxus media 'Hicksii' - Hicks Yew	10'	8'
Viburnum x burkwoodii - Burkwood Viburnum	10'	8'
Viburnum carlesii - Koreanspice Viburnum	6'	8'
Viburnum dilatatum - Linden Viburnum	10'	8'
Weigela florida - Weigela	9'	12'

**Woody Plants best adapted to neutral - pH 6.9-7.2+**

<u>Genus species - Common Name</u>	<u>Height</u>	<u>Spread</u>
<b>Canopy Trees</b>		
Cladrastis kentukea - American Yellowwood	45'	50'
Gleditsia triacanthos var. inermis - Thornless Honeylocust	60'	60'
Gymnocladus dioicus - Kentucky Coffee Tree	70'	50'
Juglans nigra - Black Walnut	50'	50'
Quercus macrocarpa - Bur Oak	70'	75'
Quercus robur - English Oak	50'	50'
Quercus cerris - Turkey oak	50'	50'
<b>Understory Trees</b>		
Crataegus species - Hawthorn	20'	20'
Elaeagnus angustifolia - Russian Olive	20'	20'
Laburnum x watereri - Golden Chaintree	12'	12'
Salix caprea - Pussy Willow	20'	15'
Syringa reticulata - Japanese Tree Lilac	25'	20'
<b>Evergreen Trees</b>		
Picea omorika -Serbian Spruce	50'	20'
<b>Shrubs</b>		
Caragana arborescens - Siberian Peashrub	15'	12'
Philadelphus species - Mockorange	10'	10'
Syringa x chinensis - Chinese Lilac	8'	10'
Syringa meyeri - Meyer Lilac	6'	10'
Syringa vulgaris - Common Lilac	10'	8'
Viburnum plicatum var. tomentosum - Doublefile Viburnum	8'	10'

## Woody Plants adapted to soil pH not extreme acid/alkaline

<u>Genus species - Common Name</u>	<u>Height</u>	<u>Spread</u>
<b>Canopy Trees</b>		
Acer campestre - Hedge Maple	30'	30'
Aesculus hippocastanum - Horse Chestnut	50'	40'
Carpinus betulus 'Fastigiata' - Upright European Hornbeam	40'	35'
Cercidiphyllum japonicum - Katsuratree	50'	30'
Ginkgo biloba - Ginkgo	75'	70'
Quercus acutissima - Sawthooth Oak	50'	40'
Tilia cordata - Little Leaf Linden	60'	30'
Zelkova serrata - Japanese Zelkova	60'	50'
<b>Understory Trees</b>		
Cercis canadensis - Eastern Redbud	25'	25'
Cornus mas - Corneliancherry Dogwood	25'	20'
Hamamelis species - Witchhazel	15'	20'
Hibiscus syriacus - Rose-of-Sharon	12'	10'
Koelreuteria paniculata - Golden Rain Tree	30'	35'
Prunus cerasifera - Flowering Plum	15'	15'
Prunus serrulata 'Kwanzan' - Kwanzan Flowering Cherry	30'	30'
<b>Evergreen Trees</b>		
Chamaecyparis obtusa - Hinoki Falsecypress	40'	15'
<b>Shrubs</b>		
Calycanthus floridus - Sweetshrub	8'	10'
Cotoneaster apiculata - Cranberry Cotoneaster	3'	5'
Cotoneaster horizontalis - Rock Cotoneaster	3'	6'
Euonymus alatus 'Compactus' - Dwarf Winged Euonymus	8'	8'
Forsythia intermedia - Border Forsythia	8'	10'
Hypericum species - St. John's Wort	2'	4'
Kolkwitzia amabilis - Beautybush	10'	8'
Ligustrum species - Privet	10'	8'
Lonicera species - Bush Honeysuckle	10'	10'
Prunus glandulosa - Flowering Almond	4'	3'
Pyracantha coccinea - Firethorn	12'	15'
Rhodotypos scandens - Black Jetbead	5'	6'
Viburnum opulus - Snowball Bush	10'	12'
Viburnum trilobum - American Cranberry Bush	10'	12'

## Vines and Ground Covers - Variable pH

<u>Genus species - Common Name</u>	<u>Height x Spread</u>	<u>pH</u>
<b>Vines</b>		
Celastrus scandens - Bittersweet	20'+	adaptable
Clematis species - Clematis	15'+	6.1-6.9
Hedera helix - English Ivy	6"x75'	6.9-7.2
Hydrangea anomala petiolaris - Climbing Hydrangea		75' + 6.1-6.9
Parthenocissus quinquefolia - Virginia Creeper	50' +	6.9-7.2
Parthenocissus tricuspidata - Boston Ivy	1'x70'	6.1-6.9
Wisteria floribunda - Japanese Wisteria	30' +	6.9-7.2

**Grounds Covers**

Ajuga reptans - Bugleweed	6"x3'	6.9-7.2
Pachysandra terminalis - Pachysandra	1'x variable	5.5-6.0
Vinca minor - Periwinkle	6"x8'	6.1-6.9

Height and spread referenced against: "Manual of Woody Landscape Plants" Michael A. Dirr, 1998, Stipes Pub. Co.

Prepared by J. Robert Nuss, Professor of Ornamental Horticulture, Penn State University, 1/20/99; revised 6/99.

RESOLUTION NO. 2000-22

A RESOLUTION OF THE TOWNSHIP OF 'FERGUSON, CENTRE COUNTY, PENNSYLVANIA, AMENDING RESOLUTION 99-36, THE OFFICIAL TOWNSHIP PLANT LIST

Section 1. The Board of Supervisors of the Township of Ferguson established by Resolution 99-36, an Official Township Plant List to be used as a guide for the selection of appropriate trees and landscape planting materials. Said Official Township Plant List (OTPL) is required to be used for land development and subdivision plans where a landscaping plan or street trees are required.

Section 2. The OTPL is hereby amended by adding two plant species to the OTPL as described in Exhibit "A".

Section 3. Now, therefore, the Board of Supervisors of the Township of Ferguson resolves to amend the Official Township Plant List for the Township of Ferguson, attached hereto as Exhibit "A".

ADOPTED, this 16th day of October, 2000.

TOWNSHIP OF FERGUSON

By: 

Dorothy E. Schmidt, Chairman  
Board of Supervisors

[S E A L]

ATTEST:

  
Mark A. Kunkle, Secretary

## EXHIBIT "A"

### Woody Plants best adapted to acidic soils - pH 5.5 – 6.0

<u>Genus species – Common Name</u>	<u>Height</u>	<u>Spread</u>
<u>Shrubs</u>		
Cornus Sericea – Redosier Dogwood	9'	10'+
Cornus Alba – Red Stemmed Dogwood	10'	10'

### Woody Plants best adapted to slightly acidic soils - pH 6.1 – 6.9

<u>Genus species – Common Name</u>	<u>Height</u>	<u>Spread</u>
<u>Shrubs</u>		
Cornus Sericea – Redosier Dogwood	9'	10'+
Cornus Alba – Red Stemmed Dogwood	10'	10'

### Woody Plants best adapted to neutral pH – 6.9 – 7.2+

<u>Genus species – Common Name</u>	<u>Height</u>	<u>Spread</u>
Cornus Sericea – Redosier Dogwood	9'	10'+
Cornus Alba - Stemmed Dogwood	10'	10'

### Woody Plants adapted to soil pH not extreme acid/alkaline

<u>Genus species – Common Name</u>	<u>Height</u>	<u>Spread</u>
Cornus Sericea – Redosier Dogwood	9'	10'+
Cornus Alba – Red Stemmed Dogwood	10'	10'