

**TOWNSHIP OF VERONA  
COUNTY OF ESSEX, STATE OF NEW JERSEY**

**ORDINANCE No. 2022-16**

**AMENDMENT TO ZONING ORDINANCE, SPECIFICALLY  
CHAPTER 150 SECTION 11.7 ENTITLED PLANT SELECTION AND  
PLACEMENT**

**WHEREAS**, the Township of Verona Planning Board in conjunction with the Verona Environmental Commission and other groups and professionals reviewed Article XI, § 150-11.7 Plant selection and placement, of the Code of the Township of Verona; and

**WHEREAS**, based upon that exercise, the Planning Board recommends amending the species of trees, shrubbery and plantings listed in § 150-11 to reflect the recent changes to growth patterns, pest infestation, invasive species, and other factors affecting the viability of a variety of trees, shrubbery and other plantings; and

**WHEREAS**, the Township Council has reviewed the recommendations of the Planning Board, the Verona Environmental Commission and the consultant, licensed forester Thomas Doty, regarding the recommended species of trees to be used for buffering, screening, and ground covering; and

**WHEREAS**, the Township Council desires to amend Article XI, § 150-11.7 Plant selection and placement, of the Code of the Township of Verona, to adopt the recommendations presented and to also allow for annual updates to the list of plantings contained in the Code that will be approved by the Council by resolution.

**NOW THEREFORE BE IT RESOLVED**, that the Township Council of the Township of Verona does hereby Ordain that Article XI, § 150-11.7 Plant selection and placement, of the Code of the Township of Verona, is amended and replaced to read as follows:

**§ 150-11.7 Plant selection and placement.**

**A.** The recommended plant selection list shall be adopted by the Township Council by Resolution at least once every February after the Verona Environmental Commission in coordination with the Planning Board, and with input from other groups and professionals as Verona Environmental Commission finds necessary, recommends updates to the plant selection list. In the event the Verona Environmental Commission does not make a recommendation, or recommends no changes to the Plant Selection and Placement List, the Township shall readopt the previous plant selection list by Resolution. Once adopted by Resolution, the plant selection list shall be considered part of the Code of the Township of Verona and shall be posted online and is incorporated herein by reference. Any amendment to the planting list must first be sent to the Planning Board for review and comment before being approved by the Council

**B.** Planting of native species is recommended over and above exotic or non-native species. Native plants in many parts of the U.S. are struggling because of changes in land use, development practices, and climate, posing problems for the wildlife species that depend on them for sustenance and sanctuary. Native plants promote biodiversity and are more adaptive to the local climate and soil conditions and therefore require less fertilizer or pesticides. Native plants generally require less water and help prevent soil erosion. Accordingly, native species are recommended over and above exotic or non-native species.

**C.** Evergreen trees, shade trees, and ornamental trees are recommended and approved species for planted areas and planted buffer areas. Shade trees when planted shall have a minimum size of 2 1/2 inches caliper and a minimum branch height of seven feet. If shade trees are planted in any area on the lot where they will be close to automobiles or at the end of any parking aisle or near the corner of any intersection of any aisle and any other driveway or aisle or in any other location in parking aisles, the trees shall be pruned to remove all limbs at the trunk if at that point the limbs are lower than 10 feet from the ground. All new trees must be staked in accordance with the American Nurserymen's

Standards. Trees shall also be protected with deer fencing until the canopies grow to an ample height, or after their second growing season.

D. All landscaping is to be completed in a good and workmanlike manner and all planted areas and planted buffer areas are subject to the inspection and approval of the Board prior to the issuance of any permanent certificate of occupancy.

E. The developer must notify the Planning Board at least 48 hours prior to the installation of any planted material. The Planning Board may adopt resolutions at public meetings creating standard specifications for planted material and planting which, if adopted, shall be adhered to by all persons installing such material.

F. Substitutions of plants within the same grouping from those shown in plans submitted are allowed, subject to Board approval, where the originally designated plants are not available.

**SECTION 1: REPEAL OF INCONSISTENT PROVISIONS**

All ordinances or parts thereof in conflict or inconsistent with this Ordinance are hereby repealed, but only to the extent of such conflict or inconsistency, it being the legislative intent that all such ordinances or part of ordinances now existing or in effect unless the same are in conflict or inconsistent with any provision of this Ordinance shall remain in effect.

**SECTION 2: SEVERABILITY**

The provisions of this Ordinance are declared to be severable and if any section, subsection, sentence, clause or phrase thereof for any reason be held to be invalid or unconstitutional by a court of competent jurisdiction, such decision shall not affect the validity of the remaining sections, subsections, sentences, clauses and phrases of this Ordinance, but shall remaining in effect; it being the legislative intent that this Ordinance shall stand notwithstanding the invalidity of any part.

**SECTION 3: EFFECTIVE DATE**

This Ordinance shall take effect immediately upon passage and publication as provided by law.

**SECTION 4: CODIFICATION**

This ordinance shall be a part of the Code of the Township of Verona as though codified and fully set forth therein. The Municipal Clerk shall have this ordinance codified and incorporated in the official copies of the Code. The Municipal Clerk and the Township Attorney are authorized and directed to change any Chapter, Article and/or Section number of the Code of the Township of Verona in the event that the codification of this Ordinance reveals that there is a conflict between the numbers and the existing Code, and in order to avoid confusion and possible accidental repealers of existing provisions not intended to be repealed.



ATTEST:  
*Jennifer Kiernan*  
JENNIFER KIERNAN  
MUNICIPAL CLERK

**I HEREBY CERTIFY THAT THE AFOREMENTIONED ORDINANCE WAS PUBLISHED IN THE STAR LEDGER, A NEWSPAPER PUBLISHED IN THE COUNTY OF ESSEX AND CIRCULATED IN THE TOWNSHIP OF VERONA, IN THE ISSUE OF JULY 1, 2022 AND JULY 15, 2022**

**JENNIFER KIERNAN  
MUNICIPAL CLERK**

INTRODUCTION: May 23, 2022  
PUBLIC HEARING: July 11, 2022  
EFFECTIVE DATE: August 4, 2022

## EXHIBIT A

### EVERGREEN TREES

<b>Scientific Name</b>	<b>Common Name</b>	<b>Deer Resistance</b>
Abies	Firs of all upright varieties	B-C
Arborvitae	Arborvitae of all upright varieties	D
Cedrus	Cedars of all upright varieties	B-C
Ilex Opaca	American and other Holly varieties	A
Juniperus	Junipers of all upright varieties	B
Picea	Spruces of all upright varieties	A-B
Pinus	Pines of all upright varieties	A-B
Taxus	Yew of all upright varieties	C-D
Tsuga	Hemlocks of all upright varieties	C

\*Deer Resistance Grade A: Most Resistant -- D: Least Resistant

Verona Should recommend the planting of native species over and above any exotic/non-native species.

- a. Native plants in many parts of the U.S. are struggling because of changes in land use, development practices, and climate, posing problems for the wildlife species that depend on them for sustenance and sanctuary.
- b. Native plants promote biodiversity.
- c. Native plants are more adaptive to the local climate and soil conditions and therefore require less fertilizer or pesticides.
- d. Native plants generally require less water and help prevent soil erosion.

\* All newly planted trees should be staked and protected with deer fencing until the canopy grows to a safe height, or after their second growing season.  
Regardless of deer resistance, many small tree or shrub seedlings can become fodder for deer browsing

## EXHIBIT A

### RECOMMENDED SHADE TREES (35+ Ft Tall)

Scientific Name	Common Name	Nativity	Deer Resistance
Acer Rubrum	Red Maple (Armstrong/October Glory)	Native	B
Acer saccharum	Sugar Maple (Colunmar, Green Mountain, Momentale)	Native	B
Aesculus carnea	Red Horsechestnut	Exotic	B
Aesculus flava	Yellow Buckeye	Native	B
Betula alleghaniensis	Yellow Birch	Native	B
Betula nigra	River Birch	Native	A
Carpinus betulus	European Hornbeam	Exotic	B
Carya cordiformis	Bitternut Hickory/ Swamp Hickory	Native	B
Carya ovata	Shagbark Hickory	Native	B
Carya tomentosa	Mockernut Hickory	Native	B
Celtis occidentalis	Common Hackberry	Native	B
Cercidiphyllum japonicum	Katsura Tree	Exotic	A
Fagus grandifolia	American Beech	Native	B
Ginkgo biloba	Ginkgo, Maidenhair Tree (Autumn Gold, Lakeview and Sentry-must be male)	Exotic	B
Gleditsia triacanthos inermi	Honey Locust, Imperial, Skyline, Sunburst	Native	B
Gymnocladus dioicus	Kentucky Coffeetree	Native	A-B
Ilex Aquifolium	English Holly	Exotic	B
Juglans cinerea	Butternut	Native	C
Juglans Nigra	Black Walnut	Native	C
Liquidambar styraciflua	Sweetgum	Native	C
Liriodendron tulipifera	Tuliptree/ Yellow Poplar	Native	B
Magnolia acuminata	Cucumber Tree	Native	B-C
Morus rubra	Red Mulberry	Native	C
Nyssa sylvatica	Blackgum, Tupelo Sourgum	Native	A
Platanus occidentalis	American Sycamore	Native	B
Prunus Pensylvanica	Pin Cherry	Native	C-D
Prunus serotina	Black Cherry,	Native	C-D
Quercus	Oak Tree Varieties: White, Scarlet, Pin,	Native	C
Quercus con't	Willow, Northern Red, Black, Scrub,	Native	C
Sassafras albidum	Sassafras	Native	B
Taxodium distichum	Bald Cypress	Native	C
Tilia Americana	Linden: Littleleaf, Chancellor, Greenspire, Rancho	Native	C

## EXHIBIT A

\*Deer Resistance Grade A: Most Resistant - D: Least Resistant

EXHIBIT A

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### RECOMMENDED SHADE/ORNAMENTAL TREES (Max. 35 Ft Tall)

Scientific Name	Common Name	Nativity	Deer Resistance
<i>Acer campestre</i>	Hedge Maple	Exotic	B
<i>Acer pensylvanicum</i>	Striped Maple	Native	B
<i>Acer spicatum</i>	Mountain Maple	Native	B
<i>Amenlanchier arborea</i>	Common Serviceberry	Native	C
<i>Amenlanchier canadensis</i>	Canadian Serviceberry	Native	C
<i>Asimina triloba</i>	Pawpaw Tree	Native	A
<i>Carpinus caroliniana</i>	Ironwood/Amer. Hornbeam	Native	A
<i>Cercis canadensis</i>	Eastern Redbud	Native	C
<i>Chionanthus virginicus</i>	White Fringetree	Native	C
<i>Cornus alternifolia</i>	Alternateleaf Dogwood	Native	C
<i>Cornus florida</i> white or rubra pink	Flowering Dogwoods	Native	C
<i>Cornus Kousa</i>	Chinese/Korean Dogwood	Exotic	B
<i>Cornus Mas</i>	Cornelian Cherry Dogwood	Native	C
<i>Crataegus crus-galli</i>	Cockspur Hawthorn	Native	B
<i>Crataegus lavelleei</i>	Lavelle Hawthorn	Exotic	B
<i>Crataegus phaenopyrum</i> (cordata)	Washington Hawthorn	Exotic	B
<i>Halesia</i> (Carolina) <i>Tetraptera</i>	Carolina Silverbell	Native	B
<i>Ilex Opaca</i>	American Holly	Native	A
<i>Magnolia virginiana</i>	Sweetbay Magnolia	Native	B
<i>Malus</i> (crab apple varieties)	American Beauty, Snowcloud, Pink Perfection, Snowdrift, Catherine Sergeant, scheidecker	Mixed	C
<i>Ostrya virginiana</i>	Hophornbeam, Ironwood	Native	A-B
<i>Oxydendrum arboretum</i>	Sorrel Tree, Sourwood	Native	B
<i>Prunus americana</i>	American Plum	Native	D
<i>Prunus Kwanzan/Kanzan</i>	Japanese Cherry	Exotic	D
<i>Prunus Sargentii Columnaris</i>	Sargent Cherry	Exotic	D
<i>Prunus X yedoensis</i>	Yoshino Cherry	Exotic	D
<i>Ptelea trifoliata</i>	Common Hoptree	Native	A-B
<i>Sophora japonica</i>	Japanese Pagoda Tree	Exotic	B
<i>Staphylea trifolia</i>	American Bladdernut	Native	B

\*Deer Resistance Grade A: Most Resistant - D: Least Resistant

EXHIBIT A



EXHIBIT A

## EXHIBIT A

### RECOMMENDED SHRUBS

Scientific Names	Common Names	D/E/SE	Flower	Hgt ft.	Nativity	Deer Resistance
<i>Aesculus Parviflora</i>	Bottlebrush/Buckeye	D	X	6 to 10	Native	A
<i>Alnus serrulata</i>	Hazel Alder	D		6 to 20	Native	C-D
<i>Buxus sempervirens</i>	Common Boxwood	SE		5 to 15	Exotic	A
<i>Ceanothus americanus</i>	New Jersey Tea	D	X	3 to 4	Native	A-B
<i>Cephalanthus occidentalis</i>	Common Buttonbush	D	X	6 to 15	Native	A-B
<i>Chaenomeles japonica</i>	Japanese Quince Shrub	D	X	2 to 3	Exotic	C
<i>Chamaedaphne calyculata</i>	Leatherleaf	E	X	2 to 5	Native	B
<i>Clethra alnifolia</i>	Summersweet	D	X	4 to 8	Native	B
<i>Comptonia peregrina</i>	Sweet Fern	D		2 to 4	Native	A-B
<i>Cornus amomum</i>	Silky Dogwood	D	X	6 to 10	Native	B-C
<i>Cornus racemosa</i>	Gray Dogwood	D	X	10 to 15	Native	C
<i>Cornus sericea</i>	Redosier Dogwood	D	X	7 to 9	Native	B
<i>Corylus americana</i>	American Hazelnut	D	X	10 to 15	Native	B
<i>Deutzia gracilis</i>	Slender Deutzia	D	X	2 to 5	Exotic	B
<i>Eubotrys racemosa</i>	Sweetbells	D	X	3 to 8	Native	A-B
<i>Euonymus americanus</i>	American Strawberry Bush	D	Fruit	4 to 6	Native	D
<i>Forsythia intermedia</i> var.	Forsythia varieties	D	X	5 to 10	Exotic	B
<i>Gaylussacia baccata</i>	Black Huckleberry	D	Fruit	1 to 3	Native	C-D
<i>Hamamelis virginiana</i>	American Witchhazel	D	X	20 to 30	Native	B
<i>Hydrangea arborescens</i>	Smooth hydrangea	D	X	3 to 5	Native	C
<i>Hydrangea macrophylla</i>	Bigleaf hydrangea	D	X	6 to 10	Exotic	C
<i>Hydrangea paniculata</i>	Panicked hydrangea	D	X	8 to 15	Exotic	C
<i>Hydrangea quercifolia</i>	Oakleaf hydrangea	D	X	6 to 8	Native	C
<i>Hydrangea serrata</i>	Mountain hydrangea / tea of r	D	X	2 to 4	Exotic	C
<i>Hypericum prolificum</i>	St Johns Wort	D	X	1 to 5	Native	B
<i>Ilex crenata microphylla</i>	Dwarf-leaved J. Holly	SE		6 to 10	Exotic	C
<i>Ilex crenata hetzii</i>	Japanese Holly	SE		10 to 12	Exotic	C
<i>Ilex glabra</i>	Inkberry	E	Fruit	6 to 8	Native	B
<i>Ilex laevigata</i>	Smooth Winterberry	D	Fruit	6 to 10	Native	B
<i>Ilex verticillata</i>	Common Winterberry	D	Fruit	6 to 12	Native	C
<i>Itea virginica</i>	Sweetspire (Virginia Willow)	D	X	3 to 8	Native	B
<i>Juniperus chinensis glauca</i>	Chinese Juniper	E		5 to 7	Exotic	B
<i>Juniperus chinensis pfitzeriana</i>	Chinese Juniper sea green	E		4 to 6	Exotic	B
<i>Kalmia angustifolia</i>	Sheep Laurel	E	X	1 to 3	Native	A-B
<i>Kalmia latifolia</i>	Mountain Laurel	E	X	5 to 15	Native	B
<i>Ligustrum Ibolium</i>	Northern Privet Hedge	SE	X	8 to 12	Exotic	B
<i>Lindera benzoin</i>	Spicebush	D	Fruit	6 to 12	Native	B
<i>Lycium chinense</i>	Chinese Matrimony Vine	D	X	3 to 6	Exotic	A-B
<i>Lyonia ligustrina</i>	Maleberry	D	Fruit	6 to 12	Native	B-C
<i>Lyonia mariana</i>	Staggerbush	D	X	2 to 6	Native	B-C
<i>Mohonia aquifolium</i>	Oregon Grape Holly	E	X	5 to 10	Native	A
<i>Morella pensylvanica</i>	Northern Bayberry/Myrica	E	Fruit	5 to 12	Native	A

## EXHIBIT A

### RECOMMENDED SHRUBS, continued.....

Scientific Names	Common Names	D/E/SE	Flower	Hgt ft.	Nativity	Deer Resistance
Philadelphus; virginialis	Virginal Mock Orange	D	X	5 to 10	Exotic	B
Photinia floribunda	Purple Chokeberry	D	Fruit	3 to 5	Native	C
Photinia melanocarpa	Black Chokeberry	D	Fruit	3 to 5	Native	C
Photinia pyrifolia	Red Chokeberry	D	Fruit	6 to 10	Native	C
Physocarpus opulifolius	Common Ninebark	D	X	5 to 8	Native	A-B
Pyracantha coccinea lalandei	Scarlet Firehorn	SE	X	8 to 10	Exotic	B
Rhamnus alnifolia	Alderleaf buckthorn	D	Fruit	2 to 5	Native	B
Rhododendrons	includes Azaleas	SE	X	4 to 15	Native	C
Rosa nitida	Shining Rose	D	X	2 to 3	Exotic	C
Rosa virginia	Virginia Rose	D	X	4 to 6	Exotic	C
Rubus oderatus	Purple Flowering Raspberry	D	X	3 to 6	Native	B
Salix discolor	Pussy Willow	D	X	up to 20	Native	C
Sambucus canadensis	American Black Elderberry	D	X	8 to 12	Native	A
Sambucus racemosa	Red Elderberry	D	Fruit	3 to 4	Native	B
Spiraea alba	Meadowsweet	D	X	3 to 4	Exotic	A
Spiraea x bumalda	Anthony Waterer spirea	D	X	4 to 6	Exotic	A
Spiraea japonica	Japanese spirea	D	X	3 to 5	Exotic	A
Spiraea thunbergii	Thunberg spirea	D	X	3 to 4	Native	B
Spiraea tomentosa	Steeplebush	D	X	5 to 8	Native	A-B
Spiraea vanhouttei	Spirea	D	X	8 to 15	Native	B
Syringa vulgaris / (alba)	Lilac and White Lilac	D	X	up to 20	Exotic	D
Taxus Varieties	Yew Shrubs	E			Exotic	D
Taxus x media densifornis	Spreading Yew	E			Exotic	D
Taxus x media hatfield	Hatfield Yew	E		4 to 6	Native	C
Viburnum acerifolium	Mapleleaf Viburnum	D	Fruit	6 to 15	Native	A
Viburnum dentatum	Arrowwood	D	X	15 to 18	Native	B-C
Viburnum lentago	Nannyberry	D	Fruit	5 to 6	Native	C
Viburnum nudum	Possumhaw	D	Fruit	12 to 15	Native	B
Viburnum prunifolium	Blackhaw	D	Fruit	12 to 15	Exotic	B
Viburnum tomentosum	Doublefile	D	Fruit	2 to 3	Native	A-B
Xanthorhiza simplicissima	Yellowroot	D	X			

D=Deciduous / SE=Semi-Evergreen / E= Evergreen

\*Deer Resistance Grade A: Most Resistant -- D: Least Resistant

EXHIBIT A

EXHIBIT A

## EXHIBIT A

### RECOMMENDED GROUND COVERS/IVY/GRASS/HERBACEOUS PLANTS (Max 3 Ft)

Scientific Names	Common Names	D/SE/E	Flower	Ht. inch	Nativity	Deer Resistance
<i>Adiantum pedatum</i>	Northern Maidenhair Fern	D		12 to 36	Native	A
<i>Allium tricoccum</i>	Wild Leeks	D	X	6 to 12	Native	B
<i>Anemone quinquefolia</i>	Wood Anemone	D	X	4 to 8	Native	B
<i>Calluna vulgaris</i>	Scotch Heather	E	X	12 to 24	Exotic	A
<i>Carex pensylvanica</i>	Pennsylvania Sedge	SE		6 to 12	Native	A
<i>Carex stricta</i>	Tussock Sedge	D		12 to 36	Native	A
<i>Chimaphila maculata</i>	Spotted Wintergreen	E	X	4 to 8	Native	D
<i>Chrysopsis mariana</i>	Maryland Goldenaster	D	X	12 to 24	Native	A
<i>Comptonia peregrina</i>	Sweet Fern	D		2 to 4	Native	A
<i>Convallaria Majalis</i>	Lily of the Valley	D	X	6 to 12	Exotic	B
<i>Cotoneaster horizontalis</i>	Rock Cotoneaster	SE	X	24 to 36	Exotic	B
<i>Dennstaedtia punctilobula</i>	Eastern Hayscented Fern	D		12 to 24	Native	A
<i>Dicentra cucularilla</i>	Dutchman's Breeches	D	X	6 to 12	Native	A
<i>Epimedium</i>	Bishop's Hat	D	X	6 to 12	Exotic	A
<i>Erythronium americanum</i>	Trout Lily	D	X	3 to 6	Native	B
<i>Gaultheria procumbens</i>	Easter Teaberry	D	Fruit	3 to 6	Native	C
<i>Goodyera pubescens</i>	Downy Rattlesnake Plantain	D	X	12 to 24	Native	C
<i>Heuchera americana</i>	Coral Bells	D	X	up to 36	Native	B-C
<i>Iberis sempervirens</i>	Candytuft	SE	X	6 to 12	Exotic	B
<i>Juniperus conferta</i>	Shore Juniper	E		6 to 12	Exotic	D
<i>Juniperus horizontalis</i>	Creeping Juniper	E		6 to 18	Exotic	B
<i>Juniperus horizontalis Wiltonii</i>	Carpet Juniper	E		4 to 6	Exotic	B
<i>Lycium chinense</i>	Chinese Matrimony Vine	D	X	3 to 6	Exotic	A
<i>Packera aurea</i>	Golden Ragwort	SE	X	6 to 30	Native	A-B
<i>Podophyllum peltatum</i>	Mayapple	D	X	12 to 18	Native	B
<i>Polemonium reptans</i>	Jacobs Ladder	D	X	12 to 18	Native	B
<i>Polystichum acrostichoides</i>	Christmas Fern	E		12 to 24	Native	A
<i>Phlox subulata</i>	Moss Phlox	D	X	4 to 6	Native	A
<i>Schizachyrium scoparium</i>	Little Bluestem (Grass)	D	X	up to 36	Native	A
<i>Tiarella cordifolia</i>	Heartleaf Foamflower	D	X	6 to 12	Native	B
<i>Thymus praecox</i>	Creeping Thyme	SE	X	4 to 6	Exotic	A
Turf Grasses		NA		2 to 4	Exotic	
<i>Vinca Minor</i>	Periwinkle/Myrtle	SE	X	4 to 6	Exotic	B
<i>Waldsteinia fragarioides</i>	Appalachian Barren Strawberry	SE	X	3 to 6	Native	B
<i>Woodwardia virginica</i>	Virginia Chainfern	E		24 to 36	Native	B
<i>Xanthorhiza simplicissima</i>	Yellowroot	D	X	24 to 36	Native	B

D=Deciduous / SE=Semi-Evergreen / E= Evergreen

\*Deer Resistance Grade A: Most Resistant -- D: Least Resistant