TABLE 2.4: Characteristics of Native Wildflowers and Legumes

TABLE 2.4: Selected Characteristics of Native Wildflowers and Legumes

Scientific Name	Common Name	Region [1]		Duration [2]	Moisture [3]			Wetland [4]		Est. Seeds/Lb	PLS Lbs/Ac [5]		Traits [6]	Flowering Period and Flower Color								
		NNJ	CP		D	M	W	AGCP	EMP		Grass Mix	Forb Mix		M	A	M	J	J	A	S	O	N
Asclepias incarnata	Swamp Milkweed	■	■	P			■	OBL	OBL	70,000	0.45	1.5	T									
Asclepias syriaca	Common Milkweed	■	■	P	■	■		UPL	FACU	70,000	0.45	1.5	T									
Asclepias tuberosa	Butterfly Milkweed	■	■	P	■	■		NI	NI	70,000	0.45	1.5	D,T									
Baptisia tinctoria	Yellow False Indigo	■	■	P	■	■		NI	NI	300,000	0.1	0.4	D,T									
Bidens aristosa	Bur Marigold		■	A			■	FACW	FACW	130,000	0.25	0.9										
Bidens cernua	Nodding Bur Marigold	■	■	A			■	OBL	OBL	130,000	0.25	0.9										
Bidens frondosa	Beggar Ticks	■	■	A			■	FACW	FACW	80,000	0.4	1.5										
Caltha palustris	Marsh Marigold	■	■	P			■	OBL	OBL	554,000	0.06	0.2										
Chamaecrista fasciculata	Partridge Pea	■	■	A	■	■		FACU	FACU	65,000	0.25	1	T									
Chelone glabra	White Turtlehead	■	■	P			■	OBL	OBL	1,472,000	0.02	0.08	S									
Conoclinium coelestinum	Mistflower	■	■	P		■	■	FAC	FAC	1,500,000	0.02	0.08	A									
Coreopsis lanceolata	Lanceleaf Tickseed			P		■		UPL	FACU	221,000	0.15	0.55										
Coreopsis tinctoria	Golden Tickseed	■	■	A		■		FAC	FAC	3,222,222	0.01	0.04										
Coreopsis verticillata	Whorled Tickseed	■	■	P	■	■		NI	NI	200,000	0.15	0.6	D									
Desmodium canadense	Showy Tick-Trefoil	■		P		■		FAC	FAC	72,500	0.45	1.5	T									
Desmodium paniculatum	Panicled Tick-Trefoil	■	■	P	■	■		FACU	FACU	200,000	0.15	0.6	D,T									
Doellingeria umbellata var. *umbellata*	Flat-topped White Aster	■	■	P		■	■	FACW	FACW	800,000	0.04	0.15										
Echinacea purpurea	Purple Coneflower			P		■		NI	NI	116,000	0.3	1										
Eupatorium perfoliatum	Boneset	■	■	P			■	FACW	FACW	2,800,000	0.01	0.04	S									
Euthamia graminifolia	Grass-leaved Goldenrod	■	■	P	■	■	■	FAC	FAC	5,600,000	0.006	0.02	A,D									
Eutrochium dubium	Coastal Plain Joe-Pye Weed	■	■	P		■	■	FACW	FACW	2,000,000	0.02	0.06										
Eutrochium fistulosum	Joe-Pye Weed	■	■	P		■	■	FACW	FACW	2,000,000	0.02	0.06	S									
Eutrochium purpureum	Sweet-scented Joe-Pye Weed	■	■	P		■	■	FAC	FAC	672,000	0.05	0.2										
Helenium autumnale	Yellow Sneezeweed	■	■	P		■	■	FACW	FACW	1,464,000	0.02	0.08	T									
Helenium flexuosum	Purple Sneezeweed	■	■	P		■		FACW	FAC	2,000,000	0.02	0.06	T									

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Scientific Name	Common Name	Region [1]		Duration [2]	Moisture [3]			Wetland [4]		Est. Seeds/Lb	PLS Lbs/Ac [5]		Traits [6]	Flowering Period and Flower Color								
		NNJ	CP		D	M	W	AGCP	EMP		Grass Mix	Forb Mix		M	A	M	J	J	A	S	O	N
Helianthus angustifolius	Swamp Sunflower		■	P		■	■	FACW	FACW	500,000	0.07	0.25										
Heliopsis helianthoides	Smooth Oxeye	■	■	P	■	■		UPL	FACU	116,410	0.3	1										
Lespedeza capitata	Round-head Bush-Clover	■	■	P	■	■		FACU	FACU	174,000	0.2	0.7	D,T									
Lespedeza hirta	Hairy Bush-Clover	■	■	P	■	■		NI	NI	175,000	0.2	0.65	D,T									
Liatris pilosa	Grass-leaf Blazing Star	■	■	P	■	■		NI	NI	290,000	0.1	0.4	D									
Liatris scariosa	Large Blazing Star	■	■	P		■		UPL	FACU	100,000	0.35	1										
Lobelia cardinalis	Cardinal Flower	■	■	P			■	FACW	FACW	11,292,758	0.003	0.01	S									
Lobelia siphilitica	Blue Lobelia	■		P			■	OBL	FACW	8,000,000	0.004	0.01	S									
Mimulus ringens	Square-stemmed Monkeyflower	■	■	P			■	OBL	OBL	22,900,000	0.001	0.005										
Monarda didyma	Scarlet Bee-balm			P		■	■	FAC	FAC	1,272,500	0.03	0.09	S									
Monarda fistulosa	Wild Bergamot	■	■	P		■		FACU	UPL	1,272,500	0.03	0.09	S									
Monarda punctata	Spotted Bee-balm	■	■	P	■	■		FACU	UPL	1,440,000	0.02	0.08										
Penstemon canescens	Gray Beard-tongue	■		P	■			NI	NI	400,000	0.08	0.3										
Penstemon digitalis	Tall White Beard-tongue	■	■	P	■	■		FAC	FAC	400,000	0.08	0.3	D,S									
Pycnanthemum incanum	Hoary Mountain Mint	■	■	P	■	■		NI	NI	4,500,000	0.007	0.03	S									
Pycnanthemum muticum	Big-leaf Mountain Mint		■	P	■	■	■	FAC	FAC	4,500,000	0.007	0.03	S									
Pycnanthemum tenuifolium	Narrow-leaf Mountain Mint	■	■	P	■	■	■	FACW	FACW	4,500,000	0.007	0.03	A,S									
Rudbeckia fulgida var. *fulgida*	Orange Coneflower	■	■	P		■		FAC	FAC	500,000	0.07	0.25										
Rudbeckia hirta	Black-eyed Susan	■	■	B	■	■		FACU	FACU	1,575,760	0.02	0.07	D									
Rudbeckia triloba	Brown-eyed Susan	■	■	P		■		FACU	FACU	536,000	0.06	0.2										
Senna hebecarpa	American Senna	■	■	P		■	■	FAC	FAC	20,500	0.25	1	T									
Senna marilandica	Maryland Senna	■	■	P	■	■		FAC	FAC	20,500	0.25	1	D,T									
Silphium perfoliatum	Cup Plant	■		P		■		FAC	FAC	100,000	0.35	1	A									
Solidago juncea	Early Goldenrod	■	■	P	■	■		NI	NI	2,500,000	0.01	0.05	D									
Solidago nemoralis	Gray Goldenrod	■	■	P	■	■		NI	NI	1,008,000	0.03	0.1	D									
Solidago patula	Rough-leaved Goldenrod	■		P			■	OBL	OBL	700,000	0.05	0.15										
Solidago rugosa	Wrinkle-leaf Goldenrod	■	■	P	■	■		FAC	FAC	1,000,000	0.03	0.1	A,D									
Symphyotrichum ericoides	White Heath Aster	■		P	■	■		UPL	FACU	700,000	0.05	0.15										

TABLE 2.4: Selected Characteristics of Native Wildflowers and Legumes

Scientific Name	Common Name	Region [1]		Duration [2]	Moisture [3]			Wetland [4]		Est. Seeds/Lb	PLS Lbs/Ac [5]		Traits [6]	Flowering Period and Flower Color								
		NNJ	CP		D	M	W	AGCP	EMP		Grass Mix	Forb Mix		M	A	M	J	J	A	S	O	N
Symphyotrichum laeve var. *laeve*	Smooth Blue Aster	■	■	P	■	■		UPL	FACU	1,014,000	0.03	0.1	D									
Symphyotrichum lateriflorum var. *lateriflorum*	Calico Aster	■	■	P		■	■	FAC	FACW	750,000	0.04	0.15	D									
Symphyotrichum novae-angliae	New England Aster	■	■	P		■	■	FACW	FACW	1,100,000	0.03	0.1										
Symphyotrichum novi-belgii	New York Aster	■	■	P			■	OBL	FACW	700,000	0.05	0.15										
Symphyotrichum oblongifolium	Aromatic Aster	■		P	■	■		NI	NI	700,000	0.05	0.15										
Symphyotrichum pilosum	White Oldfield Aster	■	■	P	■	■		FAC	FAC	700,000	0.05	0.15	D									
Symphyotrichum prenanthoides	Zigzag Aster	■		P		■		FAC	FAC	700,000	0.05	0.15	D									
Symphyotrichum puniceum	Purple-stemmed Aster	■	■	P			■	OBL	OBL	700,000	0.05	0.15										
Symphyotrichum urophyllum	White Arrowleaf Aster	■	■	P	■	■		NI	NI	700,000	0.05	0.15										
Thalictrum pubescens	Tall Meadow Rue	■	■	P		■	■	FACW	FACW	192,000	0.15	0.6	S									
Tradescantia ohiensis	Ohio Spiderwort	■	■	P		■		FAC	FAC	1,750,000	0.02	0.07	S									
Tradescantia virginiana	Virginia Spiderwort	■	■	P	■	■	■	FAC	FACU	1,750,000	0.02	0.07	D,S									
Verbena hastata	Blue (Swamp) Vervain	■	■	P			■	FAC	FACW	1,500,000	0.02	0.08										
Vernonia noveboracensis	New York Ironweed	■	■	P		■	■	FACW	FACW	300,000	0.1	0.4	S									
Veronicastrum virginicum	Culver's Root	■		P		■	■	FACW	FACU	7,800,000	0.004	0.02										
Zizia aurea	Golden Alexanders	■	■	P		■		FAC	FAC	168,400	0.2	0.7	S									

1. **Region:** The physiographic region where the species usually occurs in New Jersey, under natural conditions. NNJ – North New Jersey and includes the Valley and Ridge, Highlands, and Piedmont regions ; CP - Coastal Plain. Visit the New Jersey DEP website to determine which region includes your project site or view the "Physiographic Provinces" layer in Conservation Desktop.
2. **Dur (Duration):** A – Annual; B – Biennial; P – Perennial.
3. **Moisture:** The amount of moisture the species needs or tolerates, as part of a mix. D - Dry (excessively drained to well-drained soil); M - Mesic (moderately well to somewhat poorly drained soil); W – Wet (poorly to very poorly drained soil).
4. **Wetland:** Wetland indicator status for the Atlantic and Gulf Coastal Plain (AGCP) and Eastern Mountains and Piedmont (EMP).
5. **PLS Lbs/Ac:** The value listed is the seeding rate in pure live seed (PLS) for the individual species within a Grasses with Wildflowers mix (a predominantly grass planting; column header "Grass Mix") and a Wildflower Meadow mix (a predominantly wildflower planting; column header "Forb Mix"). Rates are based 30 PLS/SF with 3 spp grass and 5 spp forbs at a 75:25 ratio in the Grass Mix, and 30 PLS/SF with 3 spp grass and 10 spp forbs at 10:90 in the Forb Mix.
6. **Traits:** A - Can be aggressive; D - Drought tolerant; S - Shade tolerant; T - Potential toxicity to livestock.

TABLE 4.10: Recommended Trees, Shrubs, and Woody Vines for Selected Uses

TABLE 4.10: Recommended Trees, Shrubs, and Woody Vines for Selected Uses (see Table 4.8 for detailed species information)

Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
DECIDUOUS TREES																			
ASPEN, LARGE-TOOTHED *Populus grandidentata*	■	■	■	■		■	■						■						
ASPEN, QUAKING *Populus tremuloides*	■		■	■		■	■	■	■	■					■				
BASSWOOD, AMERICAN *Tilia americana*	■	■	■	■		■	■					■				■			
BEECH *Fagus grandifolia*	■	■	■	■		■	■		■		■		■			■			
BRICH, BLACK *Betula lenta*	■		■	■		■	■			■					■				
BRICH, GREY *Betula populifolia*	■		■	■		■	■			■					■				
BIRCH, RIVER *Betula nigra*	■	■	■	■	■	■	■			■			■					■	
BRICH, YELLOW *Betula allegheniensis*	■		■	■		■			■				■						
BLACKGUM *Nyssa sylvatica*	■	■	■	■	■	■	■			■		■				■		■	
BOX-ELDER *Acer negundo*	■	■		■	■	■	■			■						■		■	
BUTTERNUT *Juglans cinerea*	■			■		■	■			■	■		■	■		■			
CHERRY, BLACK *Prunus serotina*	■	■	■	■		■	■		■		■	■	■	■		■			

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Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
CHESTNUT, AMERICAN *Castanea dentata*	■	■	■	■		■	■		■		■		■						
CHINQUAPIN *Castanea pumila*		■	■	■		■	■			■	■		■		■	■			
CHOKECHERRY *Prunus virginiana*	■		■	■		■	■		■		■	■	■	■	■	■			
COTTONWOOD, EASTERN *Populus deltoides*	■	■	■	■	■	■	■									■		■	
CRABAPPLE, SOUTHERN *Malus angustifolia*		■	■	■		■	■		■		■	■	■		■	■			
CRABAPPLE, SWEET *Malus coronaria*	■	■	■	■		■	■		■		■	■	■		■	■			
CYPRESS, BALD *Taxodium distichum*		■		■	■	■	■									■	■		■
DOGWOOD, FLOWERING *Cornus florida*	■	■	■	■		■	■		■			■			■				
DOGWOOD, PAGODA *Cornus alternifolia*	■	■	■	■		■	■		■			■			■				
ELM, AMERICAN *Ulmus americana*	■	■	■	■	■	■	■						■			■	■	■	
ELM, SLIPPERY *Ulmus rubra*	■	■	■	■	■	■	■						■			■		■	
HACKBERRY *Celtis occidentalis*	■	■	■	■		■	■		■		■	■	■		■	■	■		
HAWTHORN, COCKSPUR *Crataegus crus-galli*	■	■	■	■		■	■			■	■	■			■	■			
HICKORY, BITTERNUT *Carya cordiformis*	■	■		■	■	■	■						■			■		■	
HICKORY, MOCKERNUT *Carya tomentosa*	■	■	■	■		■	■		■		■		■			■			

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Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
HICKORY, PIGNUT *Carya glabra*	■	■	■	■		■	■			■			■			■			
HICKORY, SHAGBARK *Carya ovata*	■	■	■	■		■	■		■		■		■			■			
HOP-HORNBEAM *Ostrya virginiana*	■		■	■		■	■			■						■			
HORNBEAM, AMERICAN *Carpinus caroliniana*	■	■		■	■	■	■			■						■		■	
LARCH (ALL TAMARACKS) *Larix laricina*	■			■	■	■												■	■
MAGNOLIA, SWEETBAY *Magnolia virginiana*		■		■	■	■	■			■		■			■	■		■	
MAPLE, RED *Acer rubrum*	■	■	■	■	■	■	■			■		■	■	■		■	■		■
MAPLE, SILVER *Acer saccharinum*	■			■	■	■	■			■		■	■			■			■
MULBERRY, RED *Morus rubra*	■	■	■	■		■	■		■		■					■			
OAK, BLACK *Quercus velutina*	■	■	■	■		■	■		■				■	■		■			
OAK, BLACKJACK *Quercus marilandica*	■	■	■			■	■		■				■	■		■			
OAK, CHERRYBARK *Quercus pagoda*		■			■	■	■		■				■	■		■		■	

TABLE 4.10: Recommended Trees, Shrubs, and Woody Vines for Selected Uses (see Table 4.8 for detailed species information)

Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
OAK, CHESTNUT *Quercus montana (Q. prinus)*	■	■	■			■	■		■		■		■	■		■			
OAK, CHINQUAPIN *Quercus muehlenbergii*	■		■			■	■		■		■		■	■		■			
OAK, NORTHERN RED *Quercus rubra*	■	■	■	■		■	■		■				■	■		■			
OAK, OVERCUP *Quercus lyrata*		■		■	■	■	■		■		■		■	■		■			■
OAK, PIN *Quercus palustris*	■	■		■	■	■	■		■				■	■		■		■	
OAK, POST *Quercus stellata*	■	■	■	■		■	■		■		■		■	■		■			
OAK, SOUTHERN RED *Quercus falcata*	■	■	■	■		■	■		■				■	■		■			
OAK, SWAMP CHESTNUT *Quercus michauxii*		■		■	■	■	■		■		■		■	■		■		■	
OAK, SWAMP WHITE *Quercus bicolor*		■		■	■	■	■		■		■		■	■		■		■	
OAK, WATER *Quercus nigra*		■		■	■	■	■		■				■	■		■		■	
OAK, WHITE *Quercus alba*	■	■	■	■		■	■		■		■		■	■		■			
OAK, WILLOW *Quercus phellos*		■		■	■	■	■		■				■	■		■		■	
PAWPAW *Asimina triloba*	■	■		■	■	■	■		■		■		■		■			■	
PERSIMMON, COMMON *Diospyros virginiana*	■	■	■	■	■	■	■		■		■	■			■			■	

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Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
PLUM, AMERICAN *Prunus americana*	■	■	■	■		■	■		■		■	■		■	■	■			
POPLAR, TULIP *Liriodendron tulipifera*	■	■	■	■		■	■					■	■		■	■			
REDBUD *Cercis canadensis*	■			■		■	■					■			■				
SASSAFRAS *Sassafras albidum*	■	■	■			■	■			■	■	■	■		■	■			
SWEETGUM *Liquidambar styraciflua*	■	■		■	■	■	■									■		■	
SYCAMORE *Platanus occidentalis*	■	■		■	■	■	■									■		■	
TUPELO, SWAMP (SWAMP BLACK GUM) *Nyssa biflora*		■		■	■	■	■			■		■				■			■
WALNUT, BLACK *Juglans nigra*	■	■		■		■	■			■	■		■	■					
WILLOW, BLACK *Salix nigra*	■	■		■	■	■	■					■	■			■			■
EVERGREEN TREES																			

TABLE 4.10: Recommended Trees, Shrubs, and Woody Vines for Selected Uses (see Table 4.8 for detailed species information)

Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
CEDAR, ATLANTIC WHITE *Chamaecyparis thyoides*		■		■	■	■	■	■		■						■	■		■
CEDAR, EASTERN RED *Juniperus virginiana*	■	■	■	■		■	■	■							■	■	■		
HEMLOCK, EASTERN *Tsuga canadensis*	■	■	■	■		■	■	■		■						■		■	
HOLLY, AMERICAN *Ilex opaca*	■	■	■	■	■	■	■	■		■					■	■	■	■	
PINE, LOBLOLLY *Pinus taeda*		■		■	■	■	■	■		■			■			■		■	
PINE, PITCH *Pinus rigida*	■	■	■	■		■	■	■		■			■			■			
PINE, SHORTLEAF *Pinus echinata*		■	■			■	■	■											
PINE, VIRGINIA *Pinus virginiana*	■	■	■	■		■	■	■		■			■			■			
SPRUCE, BLACK *Picea mariana*	■			■	■	■	■	■											

TABLE 4.10: Recommended Trees, Shrubs, and Woody Vines for Selected Uses (see Table 4.8 for detailed species information)

Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
SHRUBS AND WOODY VINES																			
ALDER, SMOOTH *Alnus serrulata*	■	■		■	■	■	■	■	■						■	■			■
ALDER, SPECKLED (GRAY) *Alnus incana*	■	■	■	■		■	■	■	■						■	■		■	
ARROWWOOD *Viburnum dentatum*	■	■	■	■	■	■	■	■	■						■	■		■	
AZALEA, PINXTER *Rhododendron periclymenoides*	■	■	■	■	■	■	■					■		■	■			■	
AZALEA, SWAMP *Rhododendron viscosum*		■		■	■	■	■					■		■	■			■	
BAYBERRY, NORTHERN *Morella pensylvanica* *(Myrica pensylvanica)*	■	■	■	■	■	■	■	■	■						■	■	■	■	
BEACHPLUM *PRUNUS MARITIMA*		■	■	■		■	■	■	■						■				
BLACKBERRY, ALLEGHENY *Rubus allegheniensis*	■		■	■		■	■	■	■		■	■			■	■			
BLACKBERRY, SAND *Rubus cuneifolius*		■	■	■		■	■	■	■		■	■			■				
BLACK-HAW *Viburnum prunifolium*	■	■	■	■		■	■	■	■		■				■	■			
BLUEBERRY, HIGHBUSH *Vaccinium corymbosum*	■	■		■	■	■	■	■	■		■	■	■		■	■		■	
BLUEBERRY, LOWBUSH *Vaccinium angustifolium*	■		■	■		■	■	■	■		■	■	■		■				

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Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
BUSH, HIGH TIDE (GROUNDSEL) *Baccharis halimifolia*		■		■	■	■	■	■								■		■	
BUSH, HIGH TIDE (MARSH-ELDER) *Iva frutescens*		■		■	■	■	■	■								■		■	
BUTTONBUSH *Cephalanthus occidentalis*	■	■		■	■	■	■	■				■			■	■			■
CHOKEBERRY, BLACK *Aronia melanocarpa*	■		■	■	■	■	■	■		■	■	■			■	■		■	
CHOKEBERRY, RED *Aronia arbutifolia*	■	■	■	■	■	■	■	■		■	■	■			■	■		■	
CHOKECHERRY *Prunus virginiana*	■	■	■	■		■	■	■		■					■				
CRANBERRY BUSH, AMERICAN *Viburnum trilobum*	■	■		■		■			■			■			■				
CURRANT, AMERICAN (WILD) BLACK *Ribes americanum*	■			■	■	■			■						■			■	
DEWBERRY, BRISTLY *Rubus hispidus*		■			■	■	■			■	■		■		■			■	
DEWBERRY, COMMON *Rubus flagellaris*	■	■	■	■		■	■			■	■	■							
DOGWOOD, GRAY *Cornus racemosa*	■		■	■		■	■	■	■			■			■	■			
DOGWOOD, REDOSIER *Cornus sericea*	■			■	■	■	■	■	■			■			■	■			■
DOGWOOD, SILKY *Cornus amomum*	■	■		■	■	■	■	■	■			■			■	■		■	
ELDERBERRY *Sambucus nigra* ssp. *canadensis* *(Sambucus canadensis)*	■	■		■	■	■	■	■	■		■	■		■	■	■		■	

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	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
FETTERBUSH *Eubotrys racemosa* *(Leucothoe racemosa)*		■		■	■	■	■	■						■		■		■	
GRAPE, FOX *Vitis labrusca*	■	■	■	■		■	■	■	■		■				■				
HAZELNUT (AMERICAN FILBERT) *Corylus americana*	■	■	■	■		■	■	■	■		■				■	■			
HAZELNUT, BEAKED *Corylus cornuta*	■		■	■		■	■	■	■		■				■	■			
HUCKLEBERRY, BLACK *Gaylussacia baccata*	■	■	■	■	■	■	■	■	■		■	■	■		■			■	
HUCKLEBERRY, BLUE *Gaylussacia frondosa*	■	■	■	■	■	■	■	■	■		■	■	■		■			■	
INDIGO, FALSE (INDIGO BUSH) *Amorpha fruticosa*	■	■	■	■	■	■	■	■		■		■			■	■		■	
INKBERRY *Ilex glabra*		■		■	■	■	■	■	■						■	■			■
MAPLE-LEAF VIBURNUM *Viburnum acerifolium*	■	■	■			■	■			■									
MEADOWSWEET, WHITE *Spiraea alba*	■			■	■	■	■	■		■		■	■		■	■		■	
NANNYBERRY *Viburnum lentago*	■		■	■		■			■						■				
NINEBARK, COMMON *Physocarpus opulifolius*	■		■	■	■	■	■	■		■		■			■	■		■	

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Plant Names	Region [1]		Moisture [2]			Native to New Jersey	Habitat Use Characteristics [3]								Hedgerows and Windbreaks [4]			Wetlands (surface saturation/ infrequent inundation)	Wetlands (surface saturation/ frequent or prolonged inundation)
							Cover		Fruit/Seed Consumption			Pollinator Food		Toxic to Livestock					
	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
PEPPERBUSH, SWEET *Clethra alnifolia*	■	■		■	■	■	■	■				■			■	■		■	
POSSUM-HAW *Viburnum nudum*	■	■		■	■	■	■	■		■	■				■	■		■	
RAISIN, WILD *Viburnum nudum* var. *cassinoides*				■	■	■	■	■		■	■				■	■		■	
RASPBERRY, BLACK *Rubus occidentalis*	■		■	■		■	■	■	■		■	■			■	■			
RHODODENDRON *Rhododendron maximum*	■	■	■	■	■	■	■				■	■						■	
ROSE, CAROLINA *Rosa carolina*	■	■	■	■		■	■	■	■		■	■			■	■			
ROSE, SWAMP *Rosa palustris*	■	■		■	■	■	■	■	■		■	■			■	■			■
ROSE, VIRGINIA *Rosa virginiana*	■	■	■	■		■	■	■	■		■	■			■	■			
SERVICEBERRY, CANADIAN *Amelanchier canadensis*	■	■		■	■	■	■		■		■	■	■		■	■		■	
SERVICEBERRY, COMMON *Amelanchier arborea*	■	■	■	■	■	■	■		■		■	■	■		■	■		■	
SPICEBUSH *Lindera benzoin*	■	■		■	■	■	■	■	■		■		■		■	■		■	
STEEPLEBUSH *Spiraea tomentosa*	■	■		■	■	■	■	■				■	■		■	■		■	
SUMAC, SMOOTH *Rhus glabra*	■	■	■			■	■			■						■			
SUMAC, STAGHORN *Rhus typhina*	■	■	■			■	■	■			■					■			
SUMAC, WINGED *Rhus copallinum*	■	■		■	■	■			■						■			■	

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	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		
SWEETSPIRE, VIRGINIA *Itea virginica*		■	■	■	■	■	■				■			■	■			■	
WAXMYRTLE, SOUTHERN *Morella cerifera (Myrica cerifera)*		■	■	■	■	■	■	■						■	■			■	
WILLOWS *Salix spp.*	■	■		■	■	■	■	■	■			■			■	■		■	
WILLOW, PUSSY *Salix discolor*	■	■		■	■	■	■	■	■			■			■	■		■	
WINTERBERRY HOLLY *Ilex verticillata*	■	■		■	■	■	■	■	■						■	■		■	
WITCH-HAZEL *Hamamelis virginiana*	■	■	■	■		■	■	■				■			■	■			

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	Northern Jersey	Coastal Plain	Dry Sites	Mesic Sites	Wet Sites		Nesting/ Resting	Protection	Wildlife (H)	Wildlife (M)	Humans	Nectar/ Pollen	Foliage		Wildlife Habitat	Screens/ Barriers	Poultry		

[1] Region: The physiographic region where the species usually occurs in New Jersey, under natural conditions. NNJ – North New Jersey and includes the Valley and Ridge, Highlands, and Piedmont regions ; CP - Coastal Plain. Visit the New Jersey DEP website to determine which region includes your project site or view the "Physiographic Provinces" layer in Conservation Desktop.

[2] Moisture: The amount of moisture the species needs or tolerates. Dry - excessively drained to well-drained soil; Mesic - moderately well to somewhat poorly drained soil; Wet - poorly to very poorly drained soil.

[3] Habitat Use Characteristics: Cover - All plants provide some type of cover for wildlife, depending on the time of year and the wildlife species of interest. These columns describe the cover use primarily for birds and small mammals, as follows:

- Nesting/Resting - Provides nesting and/or resting cover.
- Protection - Provides protective habitat, typically characterized by high stem density near ground level and/or dense, persistent foliage (usually evergreens, but also some deciduous species that retain leaves well into the winter).
- Fruit/Seed Consumption - These columns note whether a fruit or seed is a good food source for wildlife, or may be eaten by humans:
- Wildlife - (H) Highly preferred food for many birds and mammals, or (M) Medium value, and is utilized by fewer species or is produced in smaller quantities than similar foods. Plant species not noted as having High or Medium value have Low or unknown value. Refer to Table 4.6 for detailed wildlife food value information.
- Humans - May be consumed by people. Caution: This list should not solely be relied upon for knowledge of human edibility. Many plants with palatable parts also contain parts that are to a certain degree toxic to humans. Toxicity effects can vary with people and environment, and not all human toxicity effects are known for wild plants. People who intend to consume parts of wild plants should ensure their own safety and health by consulting experts and/or trusted plant references.
- Pollinator Food - These columns note whether a species provides a food source for adult and larval-stage pollinators:
- Nectar/Pollen - Species produces nectar and/or pollen that are consumed by adults or larvae of various pollinator species.
- Foliage - Species has vegetative plant parts (foliage, stems, etc.) that are consumed by various insect pollinators, especially while in the larval stage.
- Toxic to Livestock - Reported to be slightly to highly toxic if consumed by livestock. Toxicity may include flowers, fruits/nuts, foliage, and other plant parts, and can vary with species of livestock, age of the animal, and growth stage of the plant.

[4] Hedgerows and Windbreaks:

- Wildlife Habitat - Species is a recommended planting for wildlife habitat. Recommended species are native to New Jersey, and are shrubs and small trees that have moderate to high value as food for birds, mammals, and/or pollinators.
- Screens/Barriers - Species is a recommended planting for visual screens and/or barriers to noise, dust, and odors. Recommended species are expected to grow to at least 6 feet in height at 20 years, and have a medium or high foliar density for at least part of the year. For year-round protection, most screens/barriers will need one or more rows of evergreens. Shorter or less dense species may be selected for planting in additional rows, provided there are sufficient rows of recommended species to meet the objectives of the planting.
- Poultry - For hedgerows around poultry houses, especially in fan impact areas, refer to the Delaware NRCS 422 Hedgerow Planting Fact Sheet *Trees and Shrubs for Poultry Houses* for additional information concerning recommended woody species that are tolerant of harsh conditions.