



Important: Perspective

Invasive plants are only a small percentage of all the plant species in CT

Only a few plants are "bad actors" but they have a disproportionately large impact

~3% of the overall flora in CT

~10% of all non-native plants here

Multiflora rose

Rosa multiflora



Japanese knotweed

Polygonum cupsidatum



Burning bush/Winged Euonymus

Euonymus alatus



Great fall color, BUT.....

Burning bush/Winged Euonymus

Euonymus alatus



Burning bush/Winged Euonymus

Euonymus alatus



Reasons to care: Environment

- Soil chemistry
- Tree/forest regeneration
- Native plants
 - Native insects
 - Native birds, animals





Reasons to car: Aesthetics and Land Use

- Hiking
- Fishing and boating
- Hunting
- Gardening and farming
- Sense of place







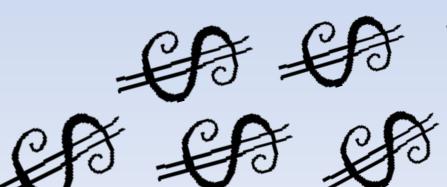


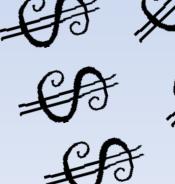




Reasons to care: Economics

- \$120-150+ billion on invasive species per year
- \$35 billion on invasive plants per year
- Lost crops, control costs, etc.
- Spreading at a rate of 1,700,000 acres per year















Beach rose (Seaside rose) Rosa rugosa



Mile-a-minute vine

Persicaria perfoliata





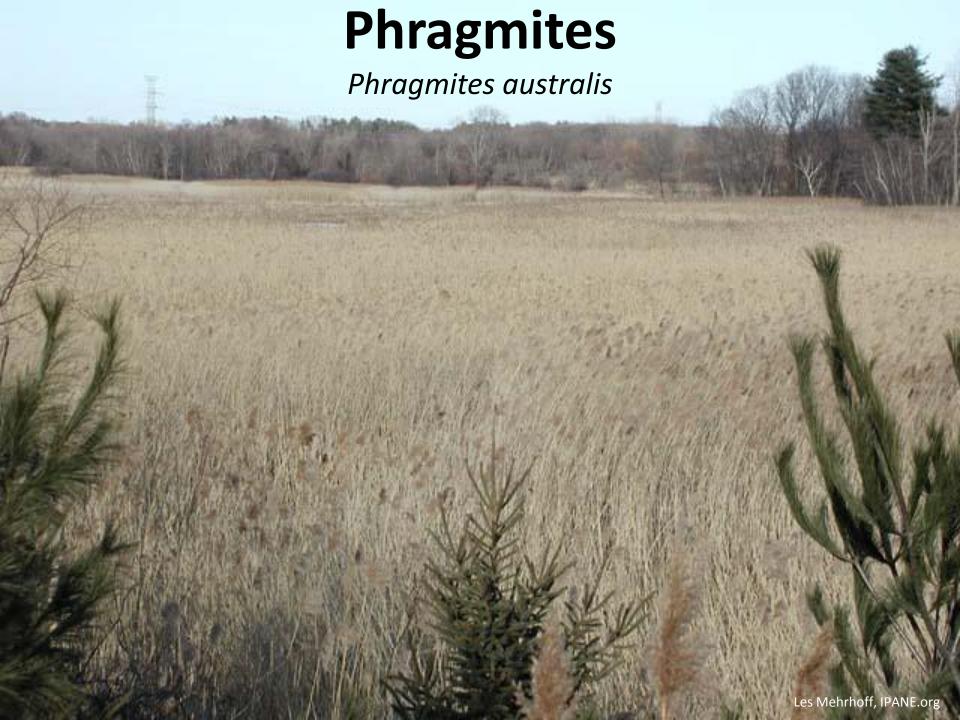
Autumn Olive Elaeagnus umbellata





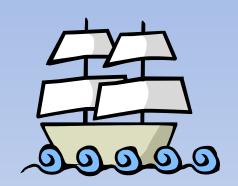






Federal Definition

1. Non-native



- 2. Cause harm
 - Economic
 - Environmental
 - Human health

Connecticut

9 criteria, including:

- demonstrated or possible rapid growth
- high dispersion potential
- outcompete other species in the same natural plant community
- potential to exist in high numbers outside of intensely managed habitats

State Lists

Invasive Plant List:

- 97 species
- Meet 9 criteria for invasiveness/potential
- Invasive Plants Council

Connecticut Invasive Pla			Ordered by Scientific Na	ıme
accordance with PA 03-136. The Invenive	Plants C	council will generate a second list recommending restrictions	lysis to be invasive or potentially invasive in the state of Connec on some of these plants, in developing the second list and partic	m/er -
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		d under CT Gen. Stat. 22e-381d N/A+ not benned		
			sive here if they are found to persist in the state without cultivation t with the names used by the United States Department of Aprilo	
PLANTS detailess accessible critice at a	scoout in	is used gov. The Council also maintains a list of scientific ne	twen the names used by the United States Department of Agrici the suppression for reference numbers.	Itue
COMMON NAME	0.0	SCIENTIFIC NAME	SYNONYMS	18
Amur maple (P)	Ť	Acer ginnala L.		- 17
Norway maple*	T	Acer platanoides L.		- 1
Sycamore maple (P)	T	Acer pseudopiatenus L.		Ŧ
Goutweed	н	Aegopodium podegraria L.		+
Tree of heaven	T	Alfanthus attissima (MII.) Swingle		+
Garlic mustard	н	All/arta peticiata (M. Bieb.) Cavara & Grande		+
False Indigo (P)	S	Amorphe fruticose L.		+
Porcelainberry*	V	Ampelopsis brevipedunculata (Merin.) Treuts.		٠,
Mugwort (P)	H	Artemisia vulgaris	Common wormwood	- 1
Hairy jointgrass (P)	G	Arthraxon hispidus (Thunb.) Makino	Small carpgrass	+
Common Rochia (P)	н	Bassle scoperie (L.) A.J. Scott	Kochla scoparia; Fireweed; Summer cypress	+
Japanese barberry'	S	Berberls thunderpl/ DC.	7,7	٠,
Common barberry	S	Berberts vulgarts L.		+
Drooping brome-grass (P)	G	Bromus tectorum L.	Cheatgrass	+
Flowering rush (P)	A	Butomus umbellatus L.		+
Fanwort	A	Cabomba caroliniana A. Grav		+
Pond water-stanwort (P)	A	Calitriche stagnalis Scop.		+
Narrowleaf bittercress	н	Cardamine Impatiens L.		+
Japanese sedge* (P)	G	Carex kotomugi Owhi		+
Oriental bittersweet	V	Celestrus orbiculatus Thurib.	Asiatic bittersweet	+
Spotted knapweed	H	Centavrea stoebe (L.)	Centaurea biebersteinit: Centaurea maculosa	+
Canada thistie (P)	н	Cirstum aniense (L.) Scop.		+
Black swallow-wort	н	Cynanchum louiseae Kartesz & Ghandi	Cynenchym nigrum; Vincetoxicum nigrum	+
Pale swallow-wort	н	Cynanchum rossicum (Kieo.) Borhidi	Vincetox/cum rossicum	+
Jimsonweed (P)	н	Datura stramonium L.		+
Brazilian water-weed (P)	A	Egeria densa Planchon	Anacharis; Egeria	+
Common water-hyacinth* (P)	A	Elchhornia crassipes (Mart.) Solms		٠,
Russian olive (P)	S	Elaeagnus angustifolia L.		т
Autumn olive	S	Elaeagnus umbellara Thurib.		$^{+}$
Crested late-summer mint (P)	Н	Elsholtzle citlete (Thunb.) Hylander	Eisholtzia	$^{+}$
Winged eucnymus*	S	Euonymus alatus (Thunb.) Sieb.	Burning bush	١,
Cypress spurge (P)	Н	Euphorble cyperissies L.		Т
Leary spurge	н	Euphorbia esula L.		т
Glossy buckthorn	S	Frangula ainus Mill.	Rhamnus frangula; European buckthorn	,
Stender snake cotton	н	Froelichia gracilis (Hook.) Moq.	Cottonweed	T
Ground My (P)	н	Glechoma hederacea L.	Gill-over-the-ground; Run-away robin	$^{+}$
Reed mannagrass* (P)	G	Glycerla maxima (Hartm.) Holmb.	Tall mannagrass	$^{+}$
Glant hogweed (P)	Н	Heracleum mantegazzlanum (Sonnier & Levier)		$^{+}$
Dame's rocket	н	Hesperis matronalis L.		$^{+}$
	н	Humulus Japonicus Sieb. & Zucc.		

Prohibited List:

- 80 of 97 species
- Subset of all listed invasive plants
- Legislature

Hydrila	A	Hydrilla verticillata (L.f.) Royle		1
Omamental Jewelweed (P)	н	Impatiens glandulffera Royle	Tall Impatiens	
Yellow iris	A	Iris pseudacorus L.	Yellow flag Irls	١
Perennial pepperweed	н	Lepidium letifolium L.	Tall pepperwort	١
Border privet (P)	S	Elgustrum obtustfolium Sieb. & Zucc.		١
California privet (P)	S	Elgustrum ovalifolium Hassik.		١
European privet (P)		Ligustrum vulgare L.		١
Japanese honeysuckie*	V	Lonicera japonica Thunb.		١
Amur honeysuckie	S	Lonicera maackii (Rupr.) Herder		١
Morrow's honeysuckle		Lonicera morrowii A. Gray		Ī
Tatarian honeysuckle (P)	S	Lonfoera tatarica L.		١
Belle honeysuckle	S	Lonicera x bella Zabel	Bell's honeysuckle (misappiled)	١
Dwarf honeysuckle* (P)	S	Lonicera xylosteum L.	European fly-honeysuckle	1
Ragged robin (P)	н	Lychnis flos-cucul/ L.		Ī
Moneywort* (P)	н	Lysimachia nummularia L.	Creeping Jenny	Ī
Garden loosestrife* (P)	н	Lysimachia vulgaris L.		Ī
Purple loosestrife	A	Lythrum salicaria L.		Ì
European waterclover (P)	A		Water shamrock	j
Japanese still grass		Microstegium vimineum (Trin.) A. Camus		1
Eulalia* (P)	G	Mscanthus shensis Andersson	Chinese or Japanese silvergrass	f
Forget-me-not	A		True forget-me-not; Water scorpion-grass	Ī
Parrotfeather (P)	A	Mintophyllum aquadicum (Vell.) Verdc.		1
Variable-leaf watermifoli	A	Myrlophyllum heterophyllum Michx.		ì
Eurasian watermifoii	A			ì
Brittle water-nymph (P)	A	Najas minor All.	Eutrophic water-nymph	ì
Onerow vellowcress (P)	A	Nasturtium microphyllum (Boenn, ex. Rchb.)	Rortspa microphylia	ì
Watercress (P)	A	Nasturtium officinale W.T. Alton	Rortspa nasturtium-aquaticum	ì
American water lotus (P)	A	Netumbo (utea (WIId.) Pers.	American water lotus	ì
Yellow floating heart (P)	A	Mympholdes petrata (S.G. Gmel.) Kuntze		ì
Scotch thistie (P)	н	Onopordum acanthium L.		ì
Star-of-Bethelehem (P)	н			ì
Princess tree (P)	T		Empress-tree	ì
Reed canary grass		Phalarts arundhacea L.		ì
Common reed	G		Phragmites	ì
Water lettuce* (P)		Pistra strationes L.		ì
Canada bluegrass (P)		Poe compresse L.		ì
Bristled knotweed		Polygonum caespitosum Blume	Persicaria longiseta: Oriental lady's thumb	ì
Japanese knotweed		Polygonum cuspidatum Slebold & Zucc.	Fallopia /aponica	ì
Mile-a-minute vine		Polygonum perfoliatum L.	Persicaria perfoliata	ì
Glant knotweed (P)	н		Fallopia sachalhense	ì
White poplar (P)	T	Populus alba L.		ì
Crispy-leaved pondweed	À	Potemogeton crisous L.	Curiy pondweed or Curiy-leaved pondweed	ŧ
Kudzu (P)	V	Pueraria montana (Lour.) Merr.	Pueraria lobata	ŧ
Fla buttercup		Renunculus ficarie L.	Lesser celandine: Picaria verna	ŧ
Common buck/hom	3	Rhamnus cathartica L.		ŧ
Black locust*	Ť	Robinia oseudo-acacia L.		ŧ
Multifora rose		Rosa muttifora Thunb.		Ė
Rugosa rose* (P)		Rose rupose Thunb."	Beach, Sall spray, Japanese, or Ramanas Rose	ř
regous roc (F)	Ť	"Note: This plant is especially appressive in coast		ř
Wineberry	9	Rubus phoenicolasius Maxim.	I S	ŧ
Sheep sorrel (P)	н	Rumex acetosexa L.		ŧ
Giant salvinia^ (P)		Salvinia moiesta Mitchell		ł
Tansy ragwort* (P)		Senecio /acobaea L.	Stinking Wille	ł
Cup plant (P)	17	Stahum pertoletum L.	Oliving Hills	ł
Bittersweet nightshade (P)	100	Solanum dukamara L.	Citobina nightribasis	ł
Water cheshut	H A	Trapa natans L.	Climbing nightshade	
Water chestrut Collistoot		Trapa nataris L. Trussilago farfara L.		
		Valeriana officinats L.	later -	
Garden heliotrope (P)	H	Valentile Univinera L.	Valerian	ì

Legal Restrictions on Invasive Plants

In CT, it is illegal to:

- import
- move*
- sell
- purchase
- transplant
- cultivate
- distribute

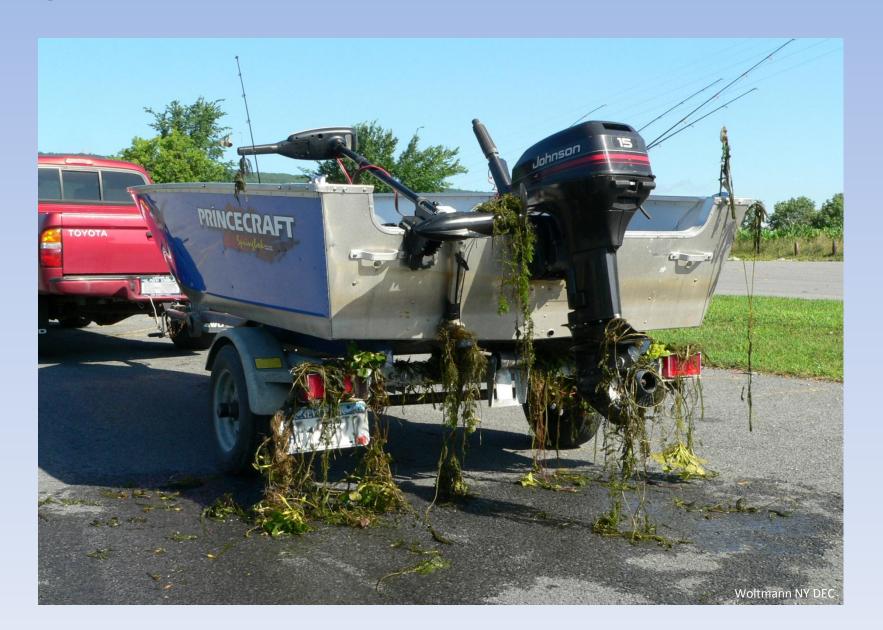
any of the species on the prohibited list

(state agencies and their contractors cannot use plants on the whole list)

punishable by up to \$100 fine per plant (includes plant parts, seeds, etc.)

DEEP has enforcement authority as of Oct. 2010

Legal Restrictions on Invasive Plants



- Questions -







Control and Management







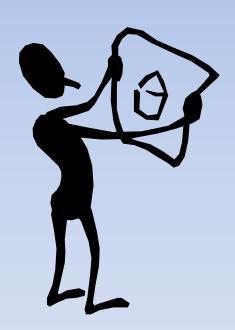
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Control and Management

- MAKE A PLAN <u>FIRST</u>
 - Match the technique to the job

Plan to follow-up later

Dispose of plants properly*



Follow-up again





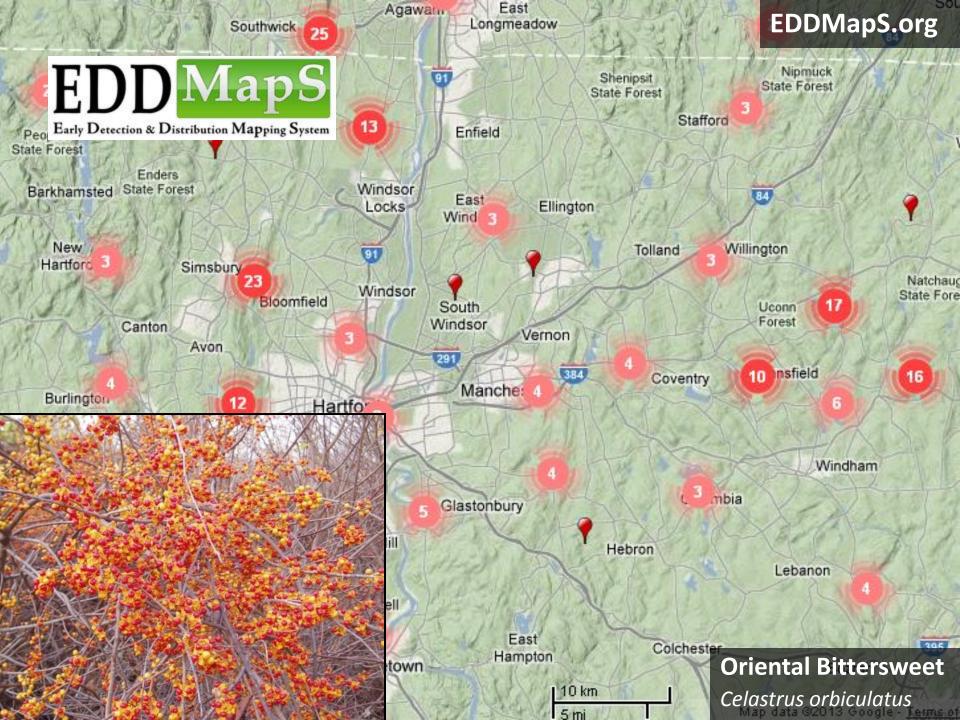
Connecticut Efforts and Resources







Photo by Max Williamson, USDA Forest Service, invasive.org



Purple Loosestrife

Lythrum salicaria





purple loosestrife (*Lythrum salicaria*)



Rob Routledge, Sault College, Bugwood.org





Mile-a-minute vine

Persicaria perfoliata



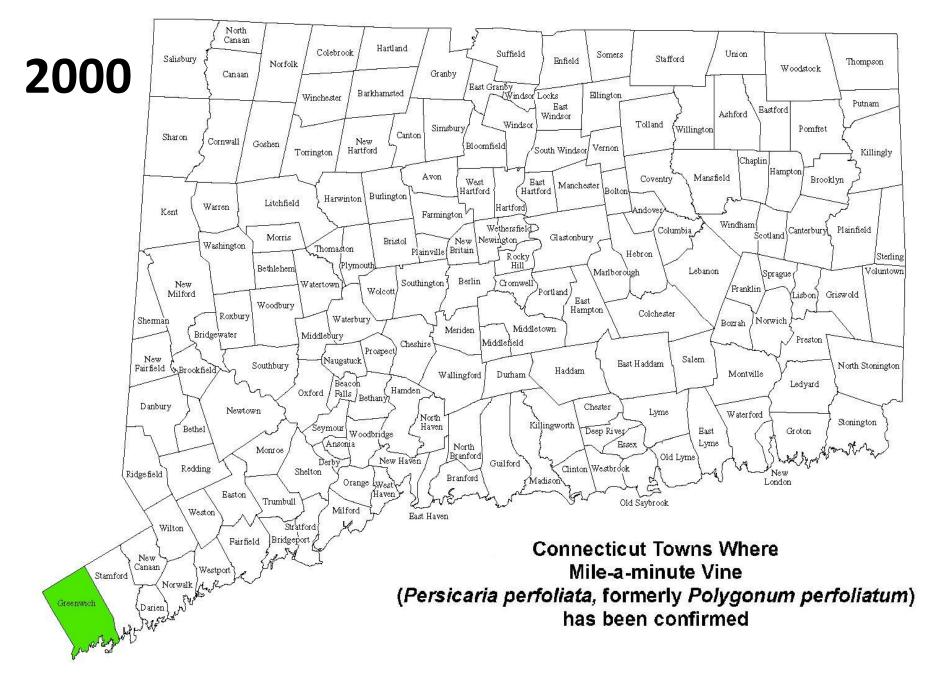


Mile-a-minute vine: contact Logan or CT DEEP if found





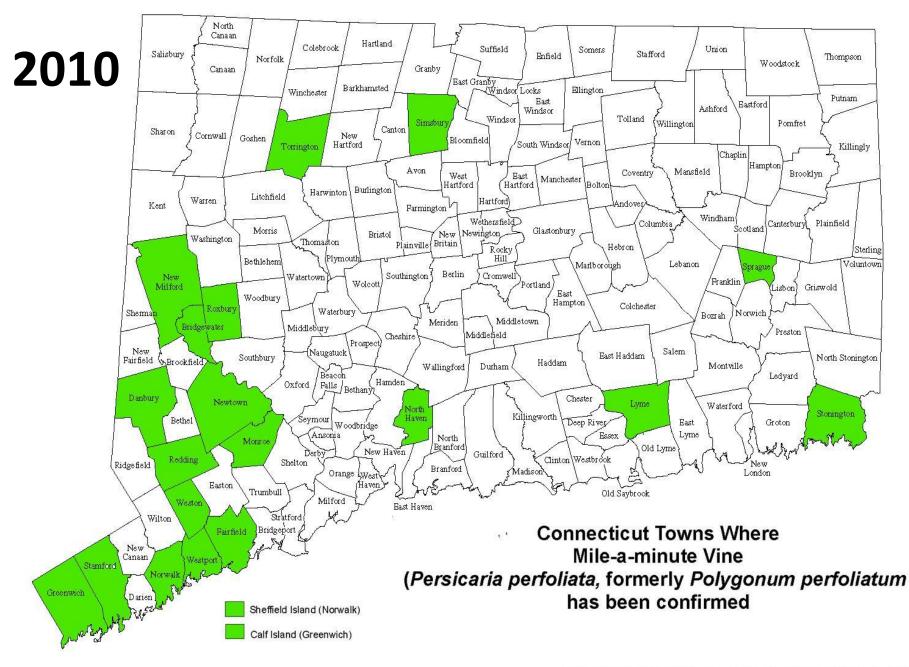




North Canaan Hartland Colebrook Suffield Union Somers Salisbury Stafford Enfield Thompson 2004 Norfolk Woodstock Canaan Granby East Granby Windsor Barkhamsted Ellington Winchester Putnam Eastford Ashford Windson Tolland Simsbury Willington Pomfret Canton Sharon New Cornwall Goshen Bloomfield Vernon Hartford South Windson Torrington Killingly Chaplin Hampton Mansfield Avon Coventry Brooklyn West East Manchester Burlington Harwinton Litchfield Warren Hartford Kent Farmington V Windham Wethersfield Columbia Canterbury Plainfield Scotland Morris Glastonbury Bristol Washington Thomaston Plainville Hebron Rocky Sterling (Plymout Bethlehem Lebanon Voluntown Marlborough |Sprague Watertown Southington Cromwell' New Franklin Portland Milford Liston) Griswold Woodbury Hampton Colchester Roxbury Waterbury Norwich Sherman Bozrah Meriden Middletown Bridgewater Middlebury Preston Middlefield Cheshire Prospect Salem (Naugatuck Southbury East Haddam North Stonington Fairfield Brookfield Haddam Wallingford Durham Montville Beacon Ledyard Hamden Oxford Falls Bethany Danbury Chester Newtown Lyme Waterford North Stonington Killingworth Haven Bethe1 Deep River East Groton Woodbridge Ansonia Lyme North Monroe Branford Old Lyme New Haven Guilford Clinton Westbrook Redding Shelton Ridgefield Branford Orange iwest Easton Trumbull Old Saybrook Milford Weston Wilton Bridgeport Fairfield **Connecticut Towns Where** Canaan Mile-a-minute Vine Stamford (Persicaria perfoliata, formerly Polygonum perfoliatum) has been confirmed Calf Island (Greenwich)

North Canaan Hartland Colebrook Suffield Union Somers 2009 Salisbury Stafford Enfield Thompson Norfolk Woodstock Granby Canaan East Granby
Windsor Looks
E Barkhamsted Ellington Winchester Putnam Eastford Windsor Ashford Tolland Windsor Simsbur Willington Pomfret Canton Sharon Cornwall New Goshen Bloomfield Vernon Hartford South Windson Killingly Torrington Chaplin Hampton Avon Mansfield Brooklyn Coventry West Manchester Hartford Hartford Burlington Harwinton Litchfield Warren Hartford Kent Andove Farmington Windham Wethersfield Plainfield Columbia Canterburyl Scotland Morris Glastonbury Newington Bristol New Washington Thomaston Britain Plainville Hebron Plymout! Bethlehem Marlborough Lebanon Voluntown Sprague Berlin Watertown Cromwell New Southington Franklin Milford Griswold Woodbury Hampton Colchester Roxbury Waterbury Shermar Norwich Bozrah Middletown Meriden Bridgewater Middlebury Preston Middlefield Cheshire Prospect Salem Naugatuck East Haddam Southbury North Stonington Fairfield Brookfield Haddam Montville Wallingford Durham Beacon Ledyard Falls Bethany Hamden Oxford Danbury Chester Newtown Lyme Waterford Stonington Killingworth Haven Bethe1 Deep River East Groton Ansonia Essex Lyme North Monroe Branford. Old Lyme New Haven Guilford Redding Clinton Westbrook Shelton Ridgefield Branford Orange LWest Easton Trumbull Old Saybrook Milford East Haven Stratford Wilton Bridgeport Fairfield Connecticut Towns Where New Canaan Mile-a-minute Vine (Persicaria perfoliata, formerly Polygonum perfoliatum) Greenwich has been confirmed Sheffield Island (Norwalk)

Calf Island (Greenwich)



North Canaan Hartland Colebrook Suffield Union Somers Salisbury Stafford Enfield Thompson Norfolk 2011 Woodstock Canaan Granby East Granby Windsor Locks Barkhamsted Ellington Putnam Eastford Ashford Windsor Tolland Windson Simsbury Willington Pomfret Canton Sharon Cornwall New Goshen Bloomfield Vernon South Windsor Hartford Killingly Torrington Chaplin Hampton Avon Mansfield Coventry Brooklyn West Manchester Hartford Hartford Burlington Harwinton Litchfield Warren Hartford) Kent Farmington Windham Wethersfield Columbia Plainfield Canterburyl Morris Glastonbury Bristol Washington Thomaston Britain ainville Hebron Rocky Sterling Plymouth Hill Bethlehem Marlborough Lebanon Voluntown Sprague Southington 8 Cromwell New Watertown Franklin Wolcott Portland Milford Griswold isbon Woodbury Hampton Colchester Roxbury Waterbury Sherman Bozrah Norwich Middletown Meriden Bridgewater Middlebury Preston Middlefield Cheshire Prospect Salem New Naugatuck East Haddam Southbury North Stonington Fairfield Brookfield Haddam Durham Montville Wallingford Beacon Ledyard Hamden Oxford Falls Bethany Danbury Chester Newtown Lyme Waterford Stonington Killingworth Bethel' Seymour Deep River East Groton Woodbridge Ansonia Lyme Essex North Monroe Branford Old Lyme New Haven Guilford Redding Clinton Westbrook Shelton Ridgefield Branford Orange LWest Easton Trumbull Old Saybrook Milford Weston East Haven Stratford Wilton Bridgeport Connecticut Towns Where Fair field New Mile-a-minute Vine Canaan (Persicaria perfoliata, formerly Polygonum perfoliatum Greenwich has been confirmed Sheffield Island (Norwalk) Calf Island (Greenwich)

North Canaan Hartland Colebrook Suffield Union Somers Salisbury Stafford Enfield Thompson Norfolk 2012 Woodstock Granby Canaan East Granby Windsor Locks Barkhamsted Ellington Winchester Putnam Eastford Ashford Windsor Windson Tolland Willington Simsbury Pomfret Canton Sharon Cornwall New Goshen Bloomfield Vernon Hartford South Windsor Killingly Torrington Chaplin Hampton Avon Mansfield Coventry Brooklyn West East Manchester Hartford Hartford Burlington Harwinton Litchfield Warren Hartford) Kent Farmington Windham Wethersfield Columbia Plainfield Canterbury Scotland Morris Glastonbury Bristol Washington Thomaston Britain ainville Hebron R ocky Sterling Plymouth Bethlehem Lebanon Voluntown Marlboroùgh Berlin Southington \ Cromwell Watertown New Franklin Wolcott Portland Milford isbon Griswold Woodbury Hampton Colchester Roxbury Waterbury Sherman Norwich Bozrah Middletown Meriden Bridgewater Middlebury Preston viiddlefield Cheshire Salem Naugatuck East Haddam Southbury North Stonington Fairfield Brookfield Haddam Wallingford Montville Durham Beacon Ledyard Hamden Oxford Falls Danbury Chester Newtown Lyme Waterford Stonington Killingworth Seymour Deep River Bethel East Groton Woodbridge (Ansonia Essex Lyme North Monroe Branford Old Lyme New Haven Guilford Redding Clinton\Westbrook Shelton Ridgefield Branford Orange West Easton Trumbull Old Saybrook Weston Stratford Wilton Bridger Connecticut Towns Where New Mile-a-minute Vine Canaan Stamford (Persicaria perfoliata, formerly Polygonum perfoliatum Greenwich has been confirmed Sheffield Island (Norwalk)

Calf Island (Greenwich)

Example: MAM efforts in CT

- Different controls at different locations
 - -Shetucket River
 - Herbicide at one site
 - Handpulling at another
 - Biocontrol at another
 - Controlled burn?







Mile-a-minute "Pulling Party" in Sprague



Kudzu

Pueraria montana

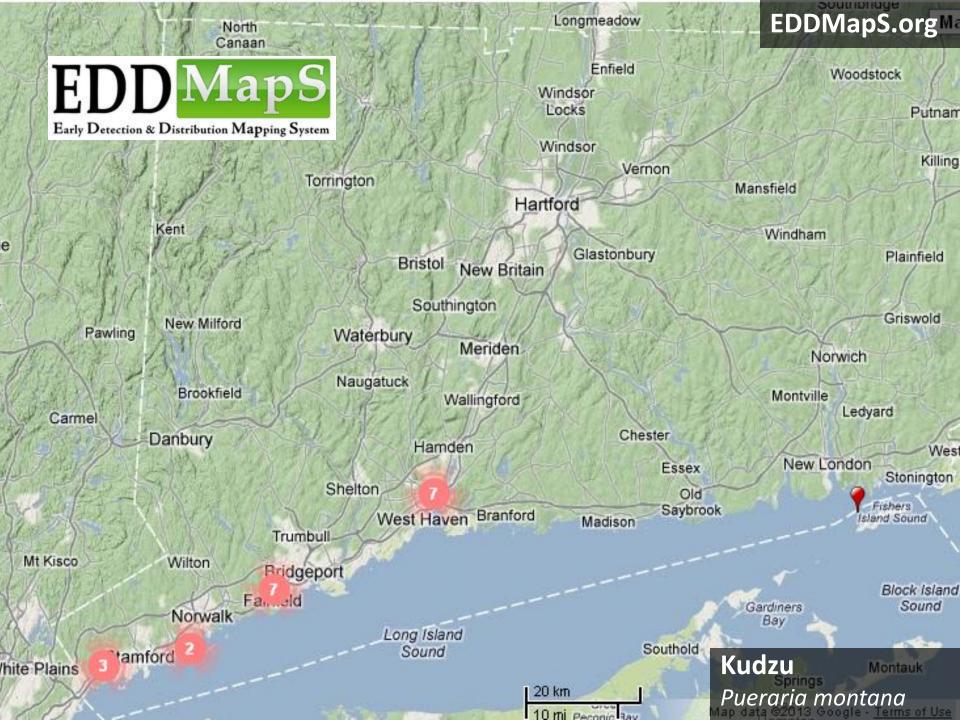


Photo by Kerry Britton, USDA Forest Service, Bugwood.org

Kudzu

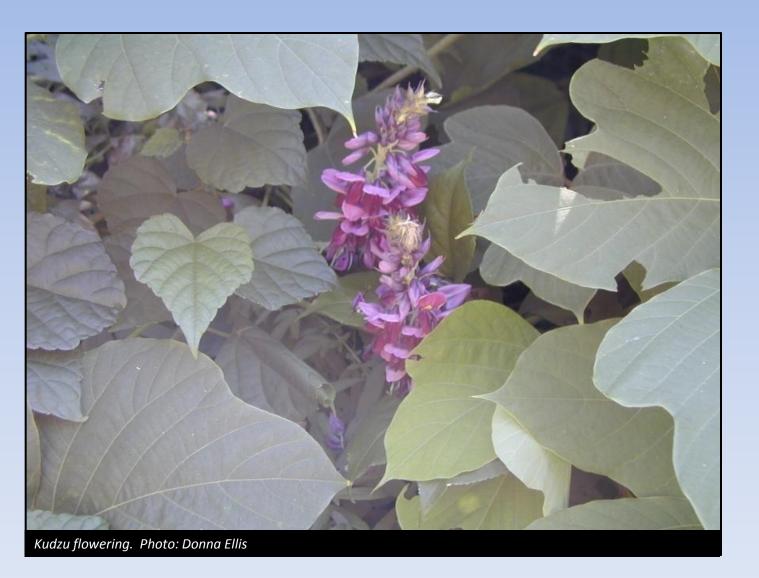
Pueraria montana





Kudzu

Pueraria montana



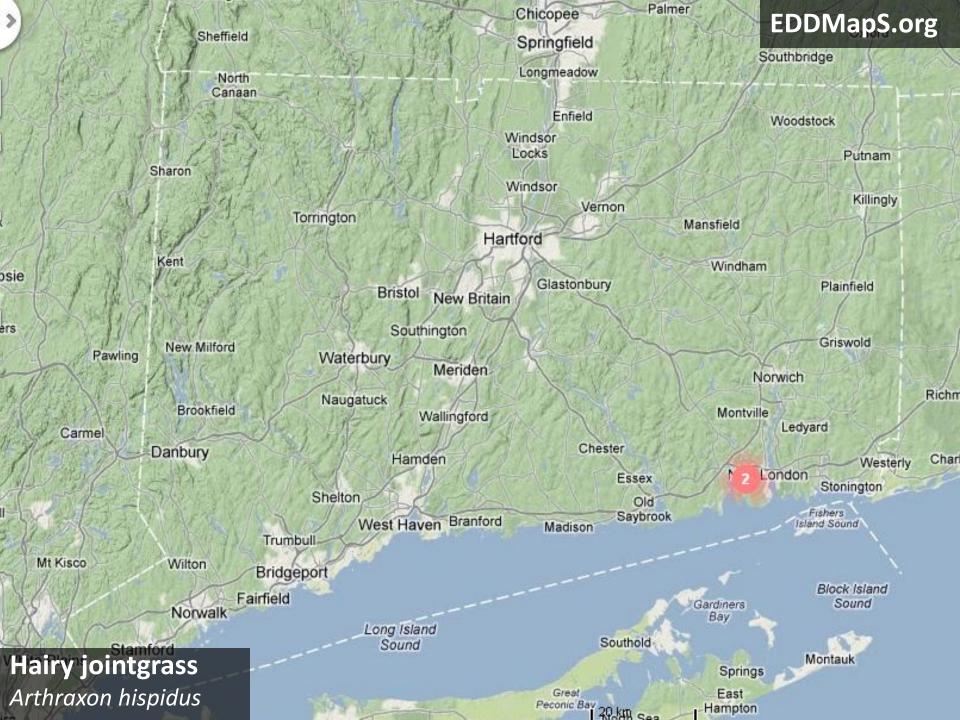




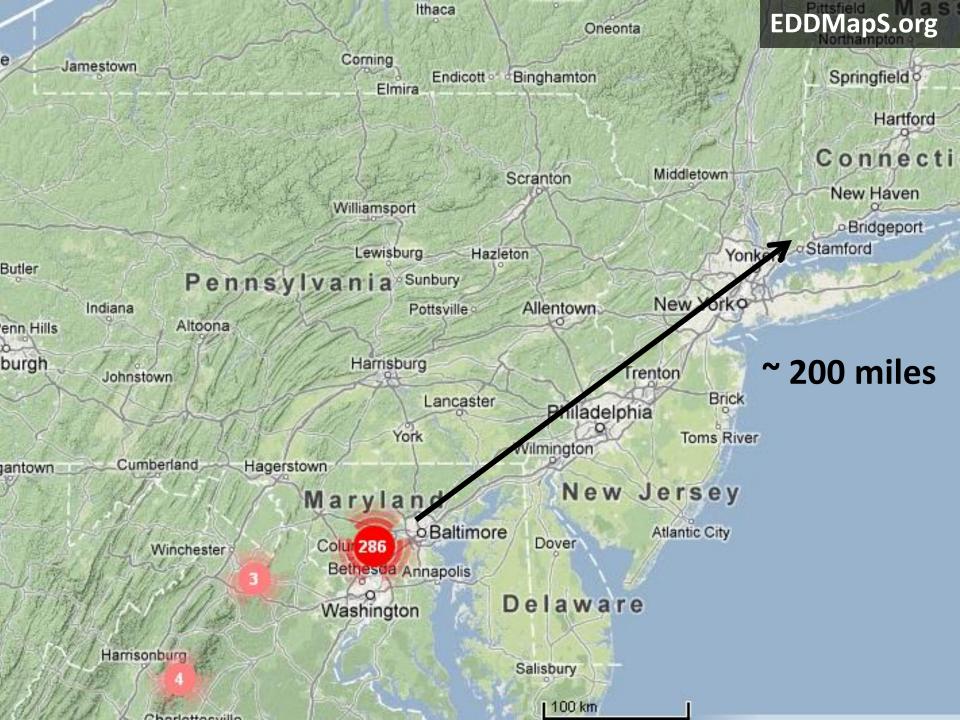


Kudzu leaf shape variation. Photos: Donna Ellis





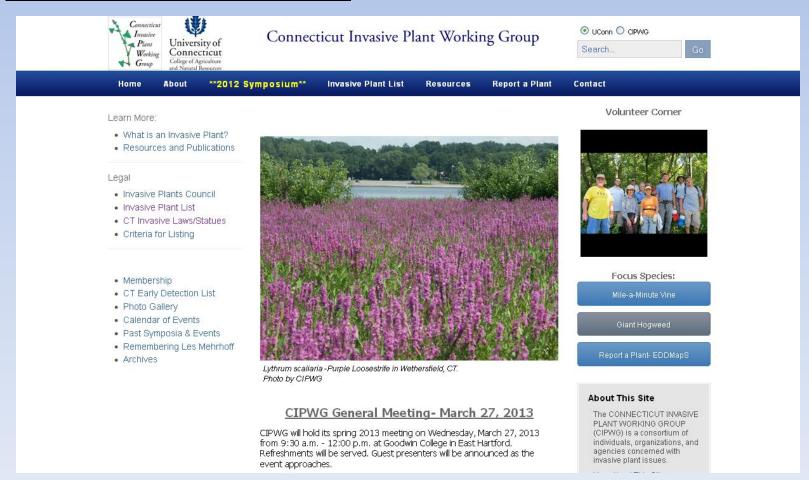




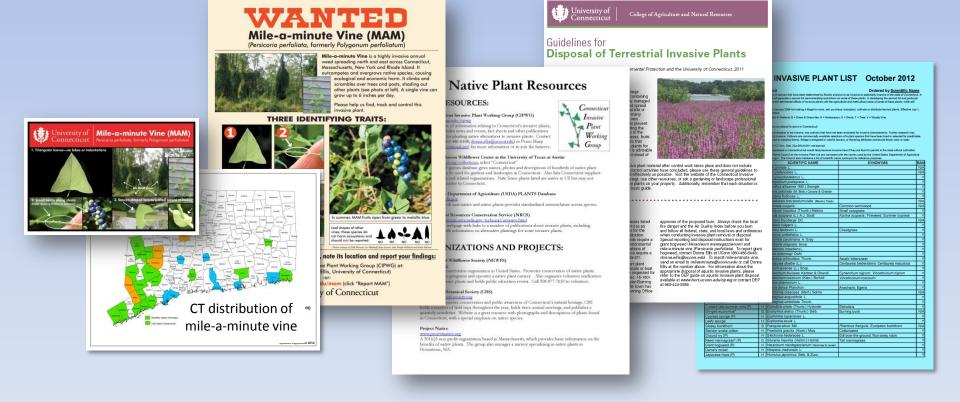
Available CT Resources

 Website: fact sheets, plant photos, event news, links to guides, other projects

www.cipwg.uconn.edu



Available CT Resources





College of Agriculture and Natural Resources

Guidelines for **Disposal of Terrestrial Invasive Plants**

Produced by the CT Department of Environmental Protection and the University of Connecticut, 2011

INTRODUCTION:

Efforts to control invasive plants may generate large amounts of plant material and soil or sediment containing viable parts. This material must be appropriately managed or it could contribute to the re-establishment and spread of the species at the controlled site, the disposal site or landfill, or anywhere in between or beyond. In many cases, plants may re-grow in future years. It is very important to monitor sites after control efforts to prevent invasive plants from re-establishing and re-invading the area. In general, it is best to control plants early in the season, before they begin to flower. In some cases, fruits and seeds can continue to mature even on plants that have been uprooted, so it is important to check plants for flowers before deciding on a disposal option. It is advisable to leave plants controlled by herbicides in place instead of removing them.



This document focuses on the disposal of invasive plant material after control work takes place and does not include information about invasive plant control. Once control activities have concluded, please use these general guidelines dispose of invasive plant materials as safely and effectively as possible. Visit the website of the Connecticut Invasive Plant Working Group (www.hort.uconn.edu/cipwgl, use other resources, or ask a gardening or landscape professional for activities and information on controlling invasive plants on your property. Additionally, remember that each situation is unique and this document is intended only as a basic guide.

LEGAL NOTES:

While it is illegal to transport material of any species listed under Connecticut General Statute Sec. 22a-381 das an invassive plant, the statute includes an exception for the moving of plant material for the purpose of eradication. Applications of herbicides in aquatic environments require a permit from the Connecticut Department of Environmental Protection (CT Gen. Stat. Sec. 22a-652). Applications of herbicides on a property that is not owned by you require a valid pesticide acplicator's license (CGS Sec. 22a-47).

Also, please be aware that it is illegal to transport plant material of any kind linvasive or otherwise) on boats or boat trailers and that boats and boat trailers must be inspected for aquatic plants before being transported (CGS Sec. 15-180). Burning may be conducted through the local Open Burning Official as required by CGS Sec. 22a-174(f), if the town has an open burning program and the local Open Burning Office

approves of the proposed burn. Always check the local fire danger and the Air Quality Index before you burn and follow all federal, state, and local laws and ordinances when conducting invasive plant removal or disposal. Special reporting and disposal instructions exist for giant hogweed (Heracleum mantegazzianum) and nillea-minute vine Persicaria perfoliata). To report giant hogweed, contact Donna Ellis at UConn (860-486-6448; donna.ellis@uconn.edu). To report milea-minute vine, send an email to mileaminute@uconn.edu or cal Donna Ellis at the number above. For information about the appropriate disposal of aquatic invasive plants, please refer to the DEP guide on aquatic invasive plant disposal available at www.hort.uconn.edu/cipwg or contact DEP at \$60.42.5599

CONNECTICUT INVASIVE PLANT LIST October 2012

Connecticut Invasive Plants Council

Ordered by Scientific Name

Statement to accompany ist — January 2004. This is a list of appoint that have been determined by floristic analysis to be invasive or potentially invasive in the state of Connecticus accordance with PAG 3-18. The makeve Plants Council will generate a second list are or principle or a some of these plants in developing the second list and particular restrictions, the Council will recognize the need to balance the detrimental effects of invasive plants with the agricultural and horticultural value of some of these plants, while still producting the state's minimally arranged habitat:

In May 2004, Public Act 04-203 banned a subset of the January 2004 list making it illegal to move, sell, purchase, transplant, cultivate or distribute banned plants. Effective July 1, 2009. Public Act 09-52 removed the ban on Pistia straticies.

@ column indicates growth form or habitat: A = Aquatic & Wetland; G = Grass & Grass-like; H = Herbaceous; S = Shrub; T = Tree; V = Woody Vine

Explanation of symbols after Common Name:

(P) indicates Potentially Invasive (all other plants listed are considered Invasive in Connecticut)

* denotes that the species, although shown by scientific evaluation to be invasive, has cultivars that have not been evaluated for invasive characteristics. Further research may determine whether or not individual cultivars are potentially invasive. Cultivars are commercially available selections of a joint species that have been bred or selected for predictable, desirable attributes of horizotular adules such as form (warf or weeping form), foliage (variaged or colorful leaves), or flowering attributes (enhanced flower color or size).

BAN column indicates prohibited status: Y= banned under CT Gen. Stat. 22a-381d N/A= not banned

* indicates species that are not currently known to be naturalized in Connecticut but would likely become invasive here if they are found to persist in the state without cultivation.

The taxonomic names used by the Connecticut invasive Plants Council on the Invasive Plant List are consistent with the names used by the United States Department of Agriculture.

COMMON NAME	@	SCIENTIFIC NAME	SYNONYMS	BAI
Amur maple (P)	T	Acer ginnala L.		N//
Norway maple*	Т	Acer platanoides L.		N/A
Sycamore maple (P)	Т	Acer pseudoplatanus L.		
Goutweed	Н	Aegopodium podagraria L.		
Tree of heaven	Т	Ailanthus altissima (Mill.) Swingle		- >
Garlic mustard	Н	Alliaria petiolata (M. Bieb.) Cavara & Grande		1
False indigo (P)	S	Amorpha fruticosa L.		1
Porcelainberry*	٧	Ampelopsis brevipedunculata (Maxim.) Trautv.		N/A
Mugwort (P)	Н	Artemisia vulgaris	Common wormwood	N//
Hairy jointgrass (P)	G	Arthraxon hispidus (Thunb.) Makino	Small carpgrass	
Common kochia (P)	Н	Bassia scoparia (L.) A.J. Scott	Kochia scoparia; Fireweed; Summer cypress	,
Japanese barberry*		Berberis thunbergii DC.	, , , , , , , , , , , , , , , , , , , ,	N//
Common barberry	S	Berberis vulgaris L.		,
Drooping brome-grass (P)	G	Bromus tectorum L.	Cheatgrass	1
Flowering rush (P)	A	Butomus umbellatus L.		,
Fanwort	Α	Cabomba caroliniana A. Gray		—
Pond water-starwort (P)	Α	Callitriche stagnalis Scop.		—
Narrowleaf bittercress	Н	Cardamine impatiens L.		,
Japanese sedge [^] (P)		Carex kobomugi Owhi		٠,
Oriental bittersweet	V	Celastrus orbiculatus Thunb.	Asiatic bittersweet	,
Spotted knapweed	H	Centaurea stoebe (L.)	Centaurea biebersteinii: Centaurea maculosa	,
Canada thistle (P)	Н	Cirsium arvense (L.) Scop.		,
Black swallow-wort	Н	Cynanchum louiseae Kartesz & Ghandi	Cynanchum nigrum; Vincetoxicum nigrum	,
Pale swallow-wort	Н	Cynanchum rossicum (Kleo.) Borhidi	Vincetoxicum rossicum	١,
Jimsonweed (P)	Н	Datura stramonium L.		١,
Brazilian water-weed (P)	Α	Egeria densa Planchon	Anacharis; Egeria	١,
Common water-hyacinth [^] (P)	A	Eichhornia crassipes (Mart.) Solms	, and the same of	N//
Russian olive (P)	S	Elaeagnus angustifolia L.		1
Autumn olive		Elaeagnus umbellata Thunb.		
Crested late-summer mint (P)		Elsholtzia ciliata (Thunb.) Hylander	Elsholtzia	—
Winged euonymus*		Euonymus alatus (Thunb.) Sieb.	Burning bush	N//
Cypress spurge (P)	H	Euphorbia cyparissias L.	Darring water	3
Leafy spurge		Euphorbia esula L.		٠,
Glossy buckthorn		Frangula alnus Mill.	Rhamnus frangula; European buckthorn	N/A
Slender snake cotton		Froelichia gracilis (Hook.) Mog.	Cottonweed	100
Ground ivv (P)	H	Glechoma hederacea L.	Gill-over-the-ground; Run-away robin	
Reed mannagrass [^] (P)	_	Glyceria maxima (Hartm.) Holmb.	Tall mannagrass	٠,
Giant hogweed (P)		Heracleum mantegazzianum (Sommier & Lavier)	Tan mamagrass	١,
Dame's rocket		Hesperis matronalis L.		,
Japanese hops (P)		Humulus japonicus Sieb. & Zucc.		_

Native plants (and other alternatives)

Connecticut Native Shrubs List

University of College of Agriculture

Department of Plant Science and Landscape Archit University of Connecticut

and Natural Resources

Native shrubs can be used to create attractive, sustainable landscapes that blend naturally with the surrounding flora. Landscapes composed of native plants are considered sustainable since native shrubs do not pose the threat of introducing new species to an area. When established in landscape sites similar to their natural habitat, native shrubs require little maintenance, are well adapted to local soils and climates and attract beneficial wildlife to the garden.

Several native shrubs are well known in the nursery trade and are already widely used by landscape professionals. Below is a list of already well known native shrubs, and many others that are lesser known or relatively unknown. All of the plants on this list are native to Connecticut, however this is not a complete list of all Connecticut native shrubs. Not all of the native shrubs listed below have been fully studied for their ability to perform well under challenging landscape conditions. Research evaluating the landscape adaptability of lesser known or relatively unknown native shrubs is underway at the University of Connecticut.

Well known		Relatively unknown (continued)	
Latin name	Common name	Latin name	Common name
Ciethra aintfolia	zummerzweet	Corylus cornuto	basked filbert
Comus seriosa	redtwig dogwood	Dianvilla lonicara	northern bush honersuckle
Nex globro	inkberry holly	Dirco paluritis	leatherwood
lex verticilists	winterberry holb	Homomeliz virginiana	common witch hazel
Potentillo fruticaso	bush cinquefoli	Juniperus communit	common luniper
Rhus aromatics	fragrant sumac	Leucothoe racemoso	zweetbellt
Vaccinium angustfollum	lowbush blueberry	Linders benzoin	solcebush
Veccinium corymbosum	highbush blueberry	Lonicero conodensis	American fir honerzuckie
Vibumum dentatum	arrowood viburnum	Morella (Myrica) gale	zweetgele
		Prunuz martima	beach olum
Lesser known		Rhododendron maximum	rosebar
Antostophylas uvo-ursi	bearberry	Rhadadendran þeridymenoides	pinoter bloom stales
Aronia orbutifolia	red chokeberry	Rhododendron prinophyllum	mountain stales
Kolmia latifolia	mountain laurel	Rhododendron viscosum	zwamo azales
Morella (Myrica) penaylvanica	northern barberry	Ahuz copaline	shining sumac
Rhuz typhina	staghorn sumac	Rosa carolina	parture rose
Vibumum tribibum	American cranberrybush	Rose virginiano	Virginia rose
		Sambucus conadensis	elderberry
Relatively unknown		Sambucus pubers (racemoso)	red elderberry
Amelanchier stolonifera	running serviceberry	Spirana alba var. latifolia	white meadowsweet
Aronia melanocarpa	black chokeberry	Spinosa tomentosa	rteeolebush
Geanothus americanus	New Jerser tea	Taxus canadensis	American rew
Cephalanthus occidentalis	common buttonbush	Vibernum acertfolium	maplelesf viburnum
Comptonio peregrino	aweet fern	Viburnum nudum var. cassinoides	withered viburnum
Comuz amomum	silkr dogwood	Vibumum lantonoides (alnifolium)	hobblebush
Comus rocemoso	grar dogwood	Viburnum lentago	nannrberry
Cornus rugoso	round leaf dogwood	Vibumum raffresquianum	downr arrowwood
Coryllus americana	American fibert		



Connecticut Native Trees for Beautiful Landscapes

University of College of Agriculture

by Jessica Lubell¹ and Bryan Connolly² Dept. Plant Science and Landscape Architecture

²Mass. State Botanist, Natural Heritage & Endangered Species, Div. Fisheries and Wildlife

and Natural Resources

Several native trees are readily available in the nursery trade and are already widely used by landscape professionals. Below is a list of native trees, some of which are readily available, and others which may be harder to find. All of the plants on this list are native to Connecticut, however this is not a complete list of all Connecticut native trees. This list contains proven landscape performers as well as species which have landscape potential. For more information contact

Readily available		Some what available (c	ontinued)
Latin name	Common name	Latin name	Common name
Ables bakamea	balsam fir	Ostnya virginiana	hop-hombeam
Acer nubrum	red maple	Pinus rigida	pitch pine
Acer saccharinum	silver maple	Populus deltoides	cottonwood
Acer saccharum	sugar maple	Prunus serotina	black cherry
Amelanchier arborea	downy shadbush	Prunus virginiana	choke cherry
Amelanchier canadensis	thicket shadbush	Quercus alba	white cak
Amelanchier × grandiflora	apple serviceberry	Quercus coccinea	scarlet oak
Amelanchier laevis	smooth shadbush	Quercus macrocarpa	bur oak
Benthamidia florida	flowering dogwood	Quercus velutina	black oak
Betula popyrifera	paper birch	Tilia americana	American linden
Fraxinus americana	white ash	Harder to find	
Fraxinus pennsylvanica	green ash	Acer nigrum	black maple
Juniperus virginiana	eastern red cedar	Acer pensylvanicum	striped maple
Liniodendron tulipifera	tulip tree	Acer spicatum	mountain maple
Nyssa sylvatica	black gum	Alnus Incana	speckled alder
Pinus strobus	white pine	Alnus serrulata	smooth alder
Quercus bicolor	swamp white oak	Betula alleghaniensis	yellow birch
Quercus palustris	pin oak	Carya ovata	shagbark hickory
Quercus rubra	red oak	Fagus grandifolia	American beech
Thuja occidentalis	arbor vitae	Jugians cinerea	butternut
Tsuga conadensis	eastern hemlock	Picea mariana	black spruce
Some what available		Picea rubens	red spruce
Acer negundo	boxelder	Plnus resinosa	red pine
Betula lenta	black birch	Populus grandidentata	big-toothed aspen
Betulo populifolio	gray birch	Populus tremuloides	trembling aspen
Carpinus caroliniana	Ironwood	Prunus americana	wild plum
Ceitis occidentalis	hackberry	Prunus pensylvanica	fire cherry
Chamaecyparis thyoides	atlantic white cedar	Quercus Mafolia	scrub oak
Fraxinus nigra	balck ash	Quercus montana	chestnut oak
Juglans nigra	black walnut	Quercus muehlenbergil	yellow oak
Larix lariana	tamarack	Sassafras albidum	sassafras
Morus rubra	red mulberry	Sorbus americana	American mountain ash

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Invasive Plants Council























Event Displays



Workshops





Don't forget:

- Other Land Trusts
- Non-profits, Conservation Organizations
- Town groups:
 Conservation Departments, Conservation Commissions
- State groups:
 CT Invasive Plant Working Group
 CT Botanical Society
- Federal:Fish and Wildlife Refuge System

Visit the website of the CT Invasive Plant Working Group for more information www.cipwg.uconn.edu

