

GROW BEAUTIFUL **WATER GARDENS** free of *INVASIVE PLANTS*



Extension

UNIVERSITY OF WISCONSIN-MADISON
AQUATIC INVASIVE SPECIES OUTREACH



melindamyers.com

WATER GARDEN PLANTS & INVASIVE PLANTS TO AVOID

FLOATING PLANTS

PLANT THESE

WHITE WATER LILY

Nymphaea odorata

- Full sun
- Zones 4 to 11
- Blooms June - August
- Height 1-5' down in water
- Spreads by rhizome

YELLOW POND LILY

Nuphar advena

- Part shade to full sun
- Zones 4 to 10
- Blooms June - August
- Height 6" - up to 7' deep
- Spreads by seeds & rhizomes

WATER POPPY

Hydrocleys nymphoides

- Part to full sun
- Zones 9 to 11
- Blooms June - August
- Height 6"-1'
- Spreads by seeds & floating stems produce roots
- Invasive in parts of Florida
- Overwinter tropicals indoors in water under lights

***DO NOT PLANT THESE**

WATER HYACINTH

Eichhornia crassipes

- * Degrades water quality and reduces bio diversity by blocking air-water interface

WATER LETTUCE

Pistia stratiotes

- * Degrades water quality
- * Reduces bio diversity by blocking air-water interface

EUROPEAN FROGBIT

Hydrocharis morsus-ranae

- * Forms dense floating mats impacting aquatic life
- * Makes recreational activities difficult

YELLOW FLOATING HEART

Nymphoides peltata

- * Forms dense patches that exclude native species
- * Creates stagnant areas with low oxygen levels
- * Makes recreational activities difficult

WATER CHESTNUT

Trapa natans

- * Forms dense patches that restrict light and reduce oxygen
- * Displaces native plants
- * Makes recreational activities difficult

CONCERN OF HYBRIDIZING WITH NATIVE WATER LILY

NON-NATIVE WATER LILY

Nymphaea spp.

- 70 species
- Full sun preferred, some will tolerate some shade
- Hardy and non-hardy
- 3"-3' deep



IN THE SHALLOWS

PLANT THESE

PICKERELWEED

Pontederia cordata

- Part to full sun
- Zones 3 to 10
- Blooms June - August
- Height 2-4'
- Spreads by seeds & rhizomes

ARROWHEAD

Sagittaria latifolia

- Full sun
- Zones 5 to 10
- Blooms June - August
- Height 1-4'
- Spreads by seeds & rhizomes

Aquatic Invasive Species Outreach

Wisconsin's aquatic invasive species (AIS) program focuses on preventing the introduction of new invasive species to Wisconsin, containing the spread of invasives that are already in the state, and managing established populations when possible. In close cooperation with the Wisconsin Department of Natural Resources and Extension Lakes program, UW-Madison Division of Extension education efforts focus on working with resource professionals and citizens statewide to teach boaters, anglers and other water users the steps they should take to prevent transporting aquatic invasives to new waters. Efforts also address other potential mechanisms of introduction, including aquarium pet release and water gardening.

Invasive Species ID and Impacts

Report an Invasive Finding



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**AQUATIC INVASIVE
SPECIES OUTREACH**

HARD STEM BULRUSH

Schoenoplectus acutus

- Full sun
- Zones 3 to 7
- Blooms May - July
- Height 2-5'
- Spreads by rhizomes

SWEET FLAG

Acorus americanus

- Full sun
- Zones 3 to 6
- Blooms May - July
- Height 2'
- Spreads by seeds & rhizomes

BLUE FLAG IRIS

Iris versicolor

- Full sun to part shade
- Zones 3 to 9
- Blooms May - June
- Height 3-4'
- Spreads by seeds & rhizomes

CANNA

Canna x generalis

- Full sun to part shade
- Zones 8 to 11
- Blooms in summer
- Height up to 6'
- Spreads by rhizomes
- Growing Cannas in Water

WATER CANNA

Thalia dealbata

- Full sun to part shade
- Zones 6 to 12
- Blooms in summer
- Height 3-6' - 12-18" deep
- Spreads by rhizomes

ELEPHANT EARS

Alocasia spp.

- Full sun to part shade
- Zones 10 to 12
- Blooms summer
- Height 2-9'
- Spreads by corms & seeds

ELEPHANT EARS

Colocasia spp.

(includes those formerly known as *Zantedeschia*)

- Full sun to part shade
- Zones 8 to 12
- Blooms summer
- Height 3-6'
- Spreads by tubers / bulbs

PAPYRUS

Cyperus papyrus

- Full sun to part shade
- Zones 9 to 12
- Blooms summer
- Height up to 16'
- Spreads by rhizomes

***DO NOT PLANT THESE**

YELLOW FLAG IRIS

Iris pseudacorus

- * Forms dense areas, negatively impacting water hydrology and trapping sediment

FLOWERING RUSH

Butomus umbellatus

- * Forms dense colonies and crowds out native plants

SACRED LOTUS

Nelumbo nucifera

- * Forms dense floating mats that limit wildlife access to water
- * Crowds out native plants
- * Makes recreational activities difficult



MOIST EDGES

PLANT THESE

MARSH MARIGOLD

Caltha palustris

- Part shade to full sun
- Zones 3 to 8
- Blooms April - May
- Height 12-18"
- Spreads by seeds & rhizomes

MEADOW ANEMONE

Anemone canadensis

- Part to full sun
- Zones 3 to 6
- Blooms April - June
- Height 1-2'
- Spreads by rhizomes

GOLDEN ALEXANDER

Zizia aurea

- Part shade to full sun
- Zones 3 to 8
- Blooms May - June
- Height 18-36"
- Spreads by seeds



About Melinda

Nationally known gardening expert, TV/radio host, author & columnist Melinda Myers has over 30 years of horticulture experience and has written over 20 gardening books, including Can't Miss Small Space Gardening, the Midwest Gardener's Handbook 2nd Edition released 2022, and Jackson and Perkins' Beautiful Roses Made Easy. She hosts the nationally-syndicated "Melinda's Garden Moment" program airing on over 115 TV and radio stations throughout the U.S. Melinda also hosts the internationally distributed Great Courses "How to Grow Anything" DVD series and Instant Video, including the latest Food Gardening for Everyone DVD set. She is a columnist and contributing editor for Birds & Blooms magazine, writes the twice monthly "Gardeners' Questions" newspaper column and a nationally-distributed gardening column. She appears regularly as a guest expert on national and local television and radio shows.

Visit Melinda's website,
melindamyers.com

VIRGINIA BLUEBELLS

Mertensia virginica

- Part to full shade
- Zones 3 to 9
- Blooms April - May
- Height 18-24"
- Spreads by seeds

BLOODY DOCK

Rumex sanguineus

- Full sun to part shade
- Zones 4 to 8
- Blooms late spring - summer
 - Cut plant back if allowed to flower
- Height 12"
- Spreads by seeds or division

WOODLAND PHLOX

Phlox divaricata

- Part to full shade
- Zones 3 to 8
- Blooms May - June
- Height 9-12"
- Spreads by root system

COLUMBINE

Aquilegia canadensis

- Part shade
- Zones 3 to 8
- Blooms May - June
- Height 1-2'
- Spreads by seeds

BOG BEAN

Menyanthes trifoliata

- Part shade to full sun
- Zones 3 to 10
- Blooms in May

- Height 9-12"
- Spreads by rhizomes

MONKEY FLOWER

Mimulus ringens

- Full sun to part shade
- Zones 3 to 8
- Blooms summer - fall
- Height 1-3'
- Spreads by seeds

GRASS-LEAVED GOLDENROD

Euthomia graminifolia

- Full sun to part shade
- Zones 3 to 9
- Blooms August - October
- Height 3-5'
- Spreads by seeds & rhizomes

GREAT BLUE LOBELIA

Lobelia siphilitica

- Part shade to full sun
- Zones 3 to 9
- Blooms July - October
- Height 1-4'
- Spreads by seeds

CARDINAL FLOWER

Lobelia cardinalis

- Part to full sun
- Zones 4 to 8
- Blooms July - September
- Height 2-4'
- Spreads by seeds

TURTLEHEAD

Chelone glabra

- Full sun to part shade
- Zones 3 to 8

- Blooms July - September
- Height 2-3'
- Spreads by rhizomes

BLUE VERVAIN

Verbena hastata

- Full sun
- Zones 3 to 8
- Blooms July - September
- Height 3-6'
- Spreads by seeds & rhizomes

MARSH BLAZING STAR

Liatris spicata

- Full sun
- Zones 3 to 8
- Blooms August - September
- Height 2-4'
- Spreads by seeds

SWAMP OR RED MILKWEED

Asclepias incarnata

- Full sun
- Zones 3 to 9
- Blooms June - August
- Height 4'
- Spreads by seeds

SWAMP ROSE MALLOW

Hibiscus moscheutos

- Full to part sun
- Zones 4 to 9
- Blooms July - September
- Height up to 5'
- Late to emerge in spring, so mark the location to prevent accidental removal

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seasonal prize!***

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JOE PYE WEED

Eutrochium maculatum

- Full sun to light shade
- Zones 3 to 8
- Blooms June - August
- Height 4-6'
- Spreads by seeds

***DO NOT PLANT THESE MONEYWORT**

Lysimachia nummularia

- * Forms dense ground cover that can choke out small springs, seeps and surrounding plants

LESSER CELANDINE

Ranunculus ficaria

- * Spreads rapidly and crowds out native plants
- * *Not to be confused with Marsh Marigold*

JAVA WATERDROPWORT

Nelumbo nucifera

- * Spreads rapidly, taking over native plants

DAME'S ROCKET

Hesperis matronalis

- * Crowds out native species

GOLDEN CREEPER

Thladiantha dubia

- * Grows rapidly and smothers plants in its way

POLICEMAN'S HELMET OR HIMALAYAN BALSAM

Impatiens glandulifera

- * Outcompetes native plants and impacts forest regeneration

PURPLE LOOSESTRIFE

Lythrum salicaria

- * Reproduces readily, crowding out native plants

BUTTERFLY DOCK

Petasites hybridus

- * Aggressive growth that crowds out nearby and native plants

CONCERN

JAPANESE BUTTERBUR

Petasites japonica

- Part to full shade
- Zones 5 to 9
- Blooms April - May
- Height 2-3'
- Spreads by rhizomes



WETLAND GRASSES PLANT THESE

FOX SEDGE

Carex vulpinoidea

- Part to full sun
- Zones 3 to 9
- Blooms June - July
- Height 1-3'
- Spreads by seeds

BOTTLEBRUSH SEDGE

Carex comosa

- Part to full sun
- Zones 3 to 8
- Blooms May - June
- Height 1-3'
- Spreads by seeds & rhizomes

SOFT RUSH

Juncus effuses

- Full sun
- Zones 4 to 9
- Blooms June - July
- Height 1-3'
- Spreads by seeds & rhizomes

BLUE ARROWS RUSH

Juncus inflexus 'Blue Arrows'

- Full to part shade
- Zones 5 to 9
- Height 2-3'
- Spreads by rhizomes
- Concern with invasiveness in mild climate

CORKSCREW RUSH

Juncus effuses 'Spiralis'

- Full to part sun
- Zones 5 to 11
- Blooms late summer
- Height 12-18"
- Spreads by rhizomes
- Concern with invasiveness in mild climate

DARK GREEN BULRUSH

Scirpus atrovirens

- Full to part sun
- Zones 3 to 8
- Blooms July - August
- Height 3-5'
- Spreads by rhizomes

VIRGINIA WILD RYE GRASS

Elymus virginicus

- Part to full sun
- Zones 3 to 9
- Blooms July - September
- Height 4'
- Spreads by tilling & seeds

***DO NOT PLANT THESE CATTAILS**

Typha spp.

- * Native and invasive cattails are easily confused
- * Aggressive plants that form dense stands

JAPANESE KNOTWEED

Fallopia japonica syn.

Polygonum cuspidatum

- * Spreads rapidly
- * Plants contain allelopathic chemicals
- * Crowds out native plants
- * Disrupts the habitat

UNDERWATER OXYGENATING **PLANT THESE**

COMMON WATERWEED

Elodea canadensis

- Full sun
- Zones 4 to 10
- Blooms summer - white flowers appear at water surface
- Height up to 10'
- Spreads by stem fragments
- Can be a nuisance, controlled by cutting

HORNWORT

Ceratophyllum demersum

- Full sun to shade
- Zones 5 to 11
- Height 6" - 10'
- Spreads by stem fragments and turions (*short densely leafed stem*)

RESOURCES

LOOK FOR AND REPORT THESE NINE INVASIVE SPECIES

HELP STOP THE SPREAD BEFORE CONTROL BECOMES EXPENSIVE

PLANTS SOLD FOR AQUARIUMS

DO NOT ADD TO WATER GARDENS OR NATURAL WATERWAYS

BRAZILIAN WATERWEED

Egeria densa

CURLY PONDWEED

Potamogeton crispus

PARROT FEATHER

Myriophyllum aquaticum

FANWORT

Cabomba caroliniana

AMBULIA

Limnophila indica

UPCOMING APPEARANCES & WEBINARS

Check often as more appearances and webinars continue to be added.

March 1st Webinar

Learn the Basics on How and When to Prune Shrubs

March 4th

Planning, Planting and Caring for Your Garden (2 presentations)

More Information

March 8th Webinar

Grow Your Own Flowers for Bouquets in Containers, Raised Beds and Gardens

March 11th

University of Illinois Master Gardener's Home, Lawn and Garden Day

More Information

March 15th Webinar

Create an Oasis On a Deck, Patio or Balcony

March 18th

Spring into Gardening

More Information

March 22nd Webinar

In a Pot, You Can Grow a Lot!

March 25th

2023 Outagamie Co. Master Gardener Association Garden Conference

More Information

March 29th Webinar

Understanding Gardening Basics to Boost Your Gardening Success



Extension

UNIVERSITY OF WISCONSIN-MADISON

AQUATIC INVASIVE SPECIES OUTREACH

*Special Thanks to the
University of Wisconsin-Madison Extension
Aquatic Invasive Species Outreach
for Sponsoring this Webinar!*

Melinda's Garden Moment AUDIO TIPS

Melinda's Garden Moment VIDEO TIPS

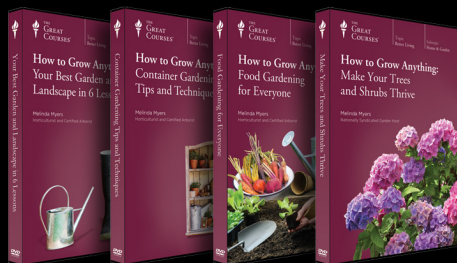
FREQUENTLY ASKED QUESTIONS

MONTHLY GARDENING CHECKLISTS & MORE

BE SURE TO SIGN UP FOR MY E-NEWSLETTER TO GET TIMELY GARDENING TIPS AND A CHANCE TO WIN



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