

Early Detection Species for Southern MD



E D R R

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Resources Program
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Maryland Southern Region Statewide Eyes Training 2016

Mimosa

Albizia julibrissin

David J. Moorhead,
University of Georgia,
Bugwood.org



James H. Miller, USDA Forest Service, Bugwood.org



UGA1237017



UGA0016013



5391892

John M. Randall, The Nature Conservancy, Bugwood.org

Japanese angelica



5497636

T. Davis Sydnor, The Ohio State University, Bugwood.org



Will Cook, CarolinaNature.com

Aralia elata

Flowers: *Aralia spinosa*.
By Steven Baskauf. Copyright © 2016 CC-BY-NC-SA



Devil's walking stick **NATIVE**



©2008 Will Cook

Will Cook, CarolinaNature.com



5497634

T. Davis Sydnor, The Ohio State University, Bugwood.org



Photo by Bill Hubick, Maryland Biodiversity Project



Chuck Bargeron, University of Ga, Bugwood.org

UGA1237044



Karan A. Rawlins, Univ. of Ga, Bugwood.org



*Melia
azedarach*



5424036

Franklin Bonner, USFS (ret.), Bugwood.org



Anne Murray, Univ. of FL/IFAS Center for Aquatic and Invasive Plants

Chinaberry
Melia azedarach
Photo by Anne Murray
© 2006 University of

Ronald F. Billings, Texas A&M Forest Service, Bugwood.org



James H. Miller, USDA Forest Service, Bugwood.org

UGA2307034



5345072

David J. Moorhead, University of Georgia, Bugwood.org

Chinaberry



UGA5302030



UGA5005003

Chuck Bargeron, University of Ga, Bugwood.org

White mulberry

Morus alba



Robert Vidéki, Doronicum Kft, Bugwood.org



1550142

John Cardina, The Ohio State University, Bugwood.org

Paper mulberry

Broussonetia papyrifera



Chuck Bargeron, University of GA, Bugwood.org



UGA2308107



Karan A. Rawlins, University of Georgia

5428384

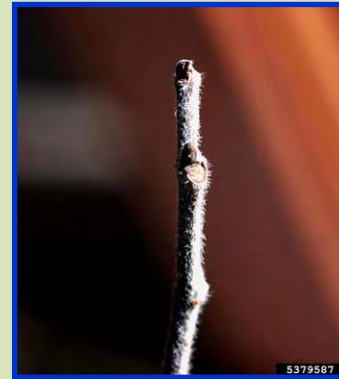


Ohio State Weed Lab, The Ohio State University, Bugwood.org



5397622

Robert Vidéki, Doronicum Kft, Bugwood.org



5379587

James H. Miller, USDA Forest Serv., Bugwood.org



5428385



Red mulberry
NATIVE

5469694

David Stephens, Bugwood.org



Rebekah D. Wallace, UGA. Bugwood.org



5349036

Amy Richard, University of Florida, Bugwood.org

Amur corktree

Phellodendron amurense



5479316

Leslie Mehrhoff, University of Conn, Bugwood.org



UGA2188028

Chris Evans, University of Illinois, Bugwood.org



UGA1367019

Patrick Breen, Oregon State University, Bugwood.org



UGA1480316

Richard Webb, Bugwood.org



UGA1480318

Richard Webb, Bugwood.org



Bee bee tree

Tetradium daniellii



All photos courtesy of
Pat Breen, Oregon
State University

Butterfly bush

Buddleja davidii



Rebekah D. Wallace, University of Georgia, Bugwood.org

Robert Videki, Doronicum Kft.,
Bugwood.org



Other photos by Leslie J. Mehrhoff, University of Connecticut, Bugwood.org

5452025

IPAC Tier 2
(proposed)

Scotch broom
Cytisus scoparius



Eric Coombs, Oregon Dept of Agriculture, Bugwood.org



Leslie J. Mehrhoff, University of Connecticut, Bugwood.org



Gil Wojciech, Polish Forest Research Institute



Robert Vidéki, Doronicum Kft., Bugwood.org

Leatherleaf mahonia

*Mahonia
bealei*

All other photos by Nancy Loewenstein,
Auburn University, Bugwood.org L



Robert Videki,
Doronicum Kft.,
Bugwood.org



Nancy Dagley, USDI National Park Service, Bugwood.org

Common and glossy buckthorn



Rhamnus cathartica



*Frangula
alnus*





James H. Miller, USDA
Forest Service,
Bugwood.org

**IPAC Tier 2
(proposed)**



*Nandina
domestica*

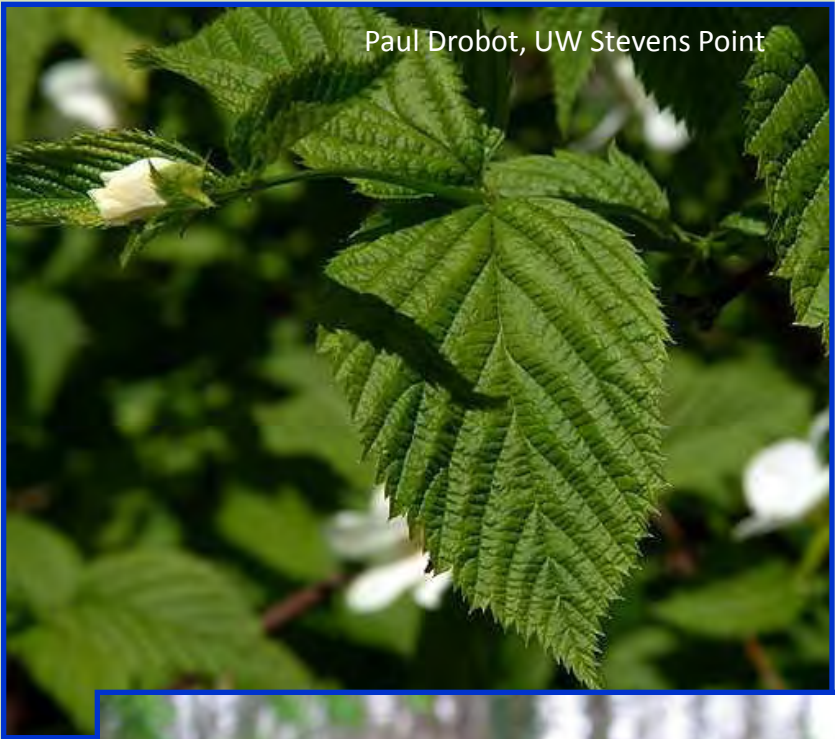


Heavenly bamboo



Jetbead

Rhodotypos scandens





Japanese spiraea *Spiraea japonica*



Gary Fleming, VA DCR



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www.discoverlife.org



Linden
viburnum

*Viburnum
dilatatum*



Doug Manning, NPS, Bugwood.org



<http://viburnum.com/viburnum-dilatatum-linden-viburnum/>

Chocolate vine

Akebia quinata

James H. Miller, USDA Forest Service, Bugwood.org



Leslie J. Mehrhoff,
University of
Connecticut,
Bugwood.org



Photo courtesy of
Kate Traut;
infestation in PG
County

Bushkiller

Cayratia japonica

Native Virginia creeper



UGA210500



UGA2

Photos 2, 4 and 6: Robert J. Richardson, North Carolina State Univ, Bugwood.org

Photos 1, 3 and 5: Peter Stango, MD DNR Natural Heritage Program



UGA2105064

Pale Swallow-wort

Cynanchum rossicum



Mid West Invasive Plant Network, mipn.org



The Nature Conservancy Weeds - UC Davis



Natural Areas Notebook, oaklandnaturalareas.com



Kristine Averill, Cornell University

Black Swallow-wort

Cynanchum louiseae



5452181

Leslie J. Mehrhoff, University of Connecticut, Bugwood.org



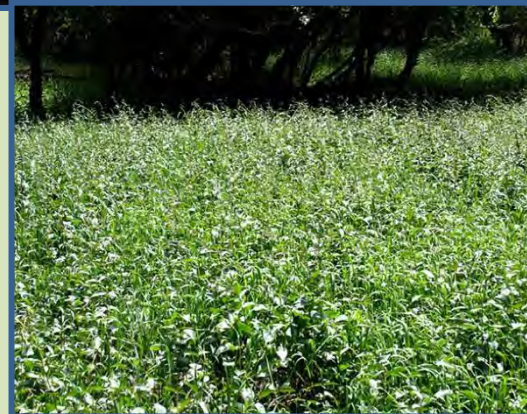
Peter Oehlkers, smilingpond.blogspot.com



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University of Wisconsin, D. Eagan



Mass Audubon, massaudubon.org

Images from original slide courtesy of Marion Orlousky, ATC

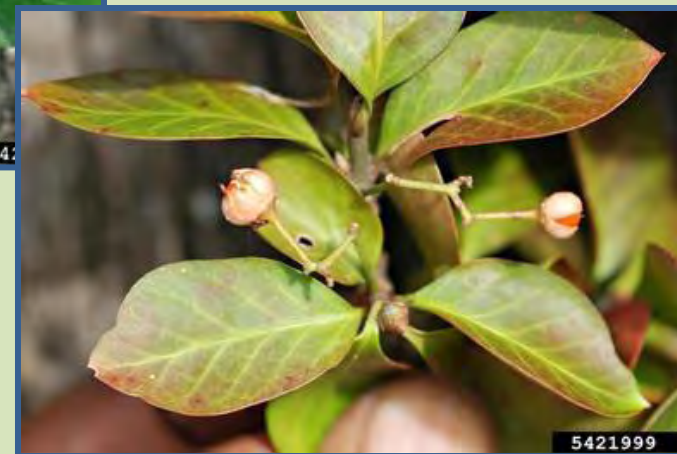
Wintercreeper

Euonymus fortunei



James H. Miller, USDA Forest Service, Bugwood.org

**IPAC Tier 1
(proposed)**



Japanese hop



Humulus japonicus



Native lookalike
Virginia creeper

Poison hemlock

Conium maculatum



Linh Phu, MD DNR



e 2008



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Linh Phu, MD DNR

Lesser celandine *Ficaria verna*



IPAC Tier 1

Other photos by Leslie J. Mehrhoff, University of Connecticut

Cogon grass

Imperata cylindrica

Karan A. Rawlins, University of Georgia, Bugwood.org

Chris Evans, Illinois Wildlife
Action Plan, Bugwood.org



John D. Byrd, Mississippi State Univ.,
Bugwood.org

<http://www.cogongrass.org/cogongrassid.pdf>



Chris Evans, Illinois Wildlife
Action Plan, Bugwood.org



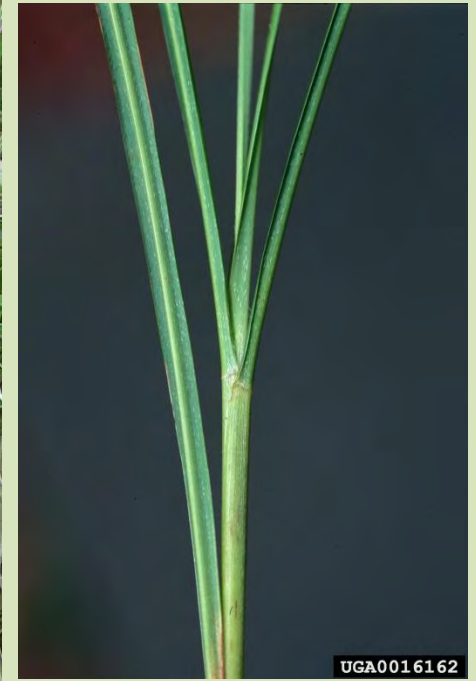
Charles T. Bryson, USDA
ARS, Bugwood.org

© M. L. Atwater



Mark Atwater, Weed Control Unlimited, Inc., Bugwood.org

Britt Slattery, US Fish & Wildlife Service,
Bugwood.org



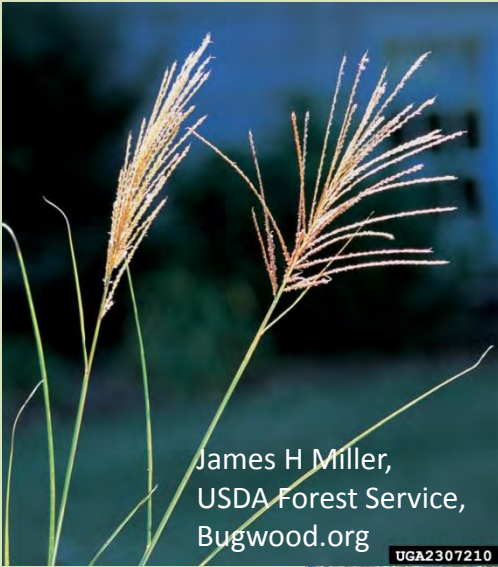
UGA0016162

James H Miller, USDA Forest Service, Bugwood.org



© K.L. Kyde 2007

Chinese silvergrass



James H Miller,
USDA Forest Service,
Bugwood.org

UGA2307210

*Miscanthus
sinensis*



UGA1346078

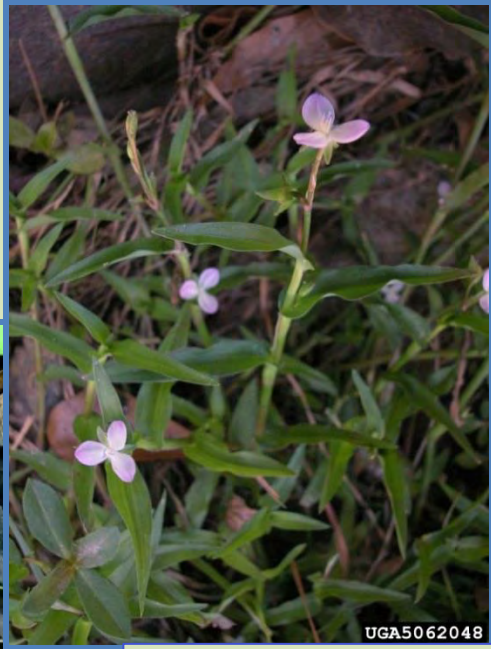


UGA1346076

Exotic *Commelina communis*



Marsh dewflower
Murdannia keisak



UGA5062048

Linda Lee, University of South Carolina, Bugwood.org



UGA5062051

Jim Stasz, hosted by the USDA-NRCS PLANTS Database



© K.L. Kyde 2015

Native *Commelina virginica*

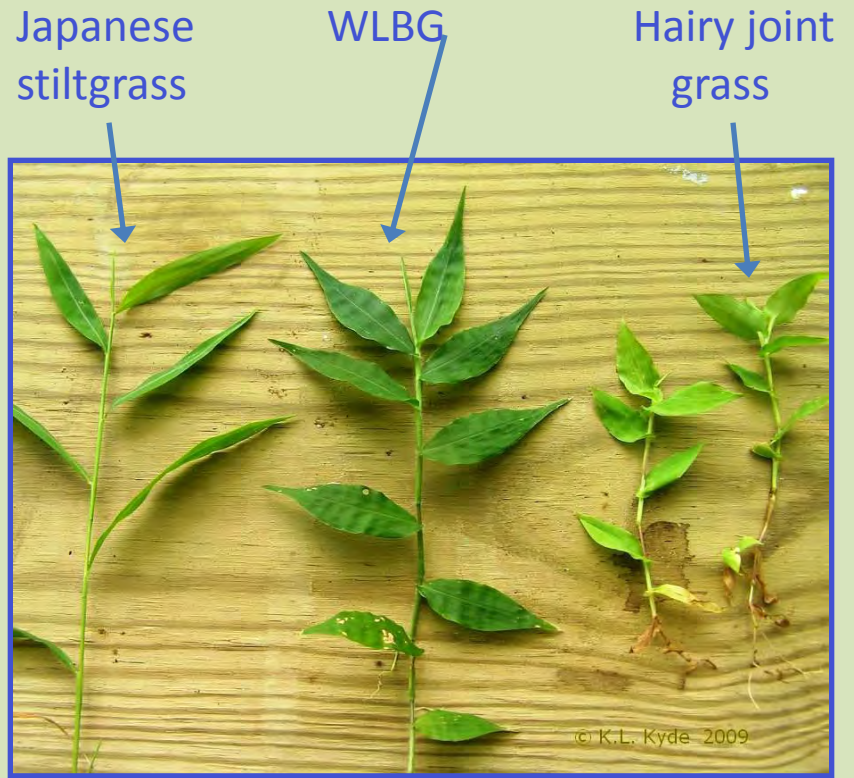


© Jim Stasz

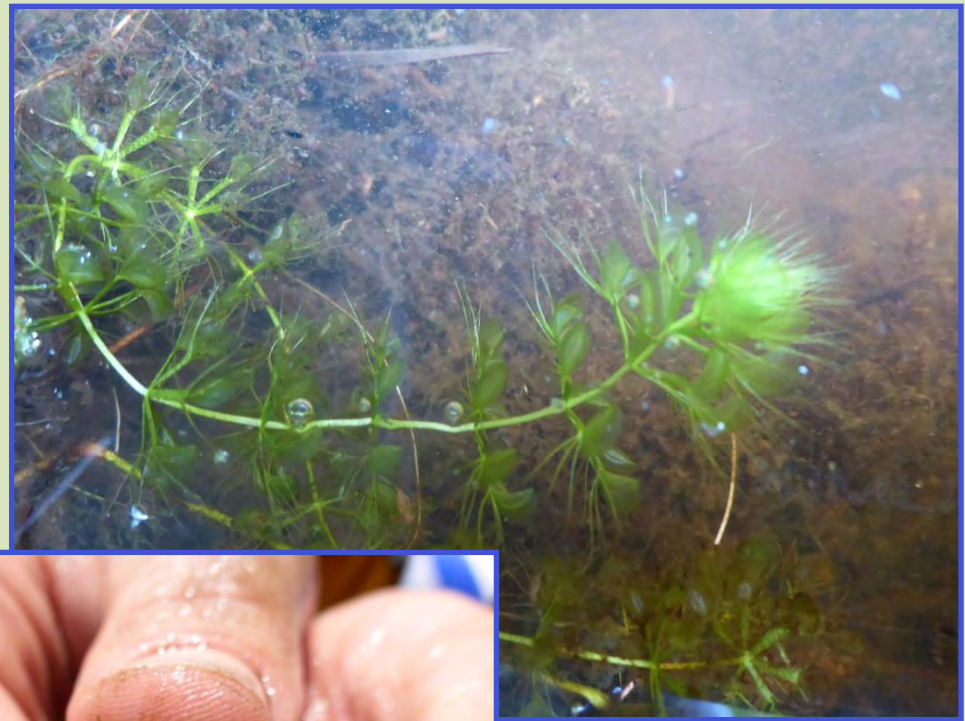
Wavyleaf basketgrass

*Oplismenus
undulatifolius*





Waterwheel
Aldrovanda vesiculosa



All photos courtesy of Robert Floyd, Colorado State University, CEMML

Alligatorweed

Alternanthera philoxeroides



© John Hall

John Hall, Norton-Brown Herbarium, UMD



© Larry Allain

Larry Allain, hosted by the USDA-NRCS PLANTS Database



© John Hall

John Hall, Norton-Brown Herbarium, UMD

Water hyacinth

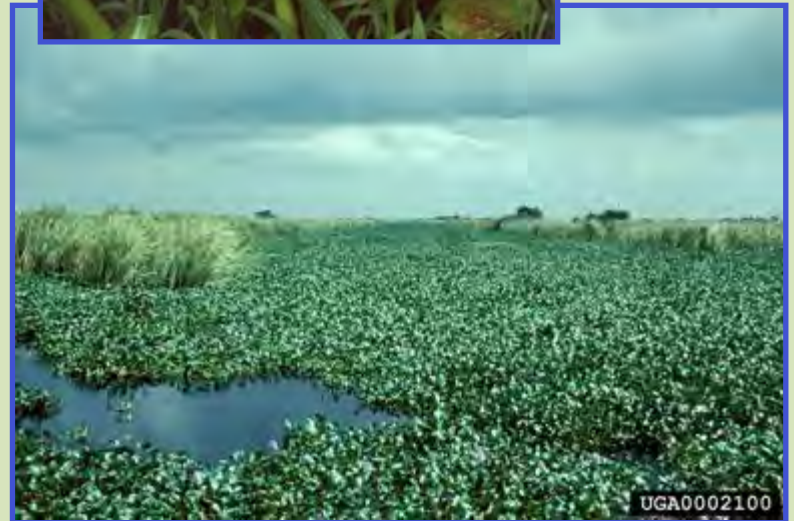
Eichhornia crassipes



Leslie J. Mehrhoff,
University of
Connecticut,
Bugwood.org



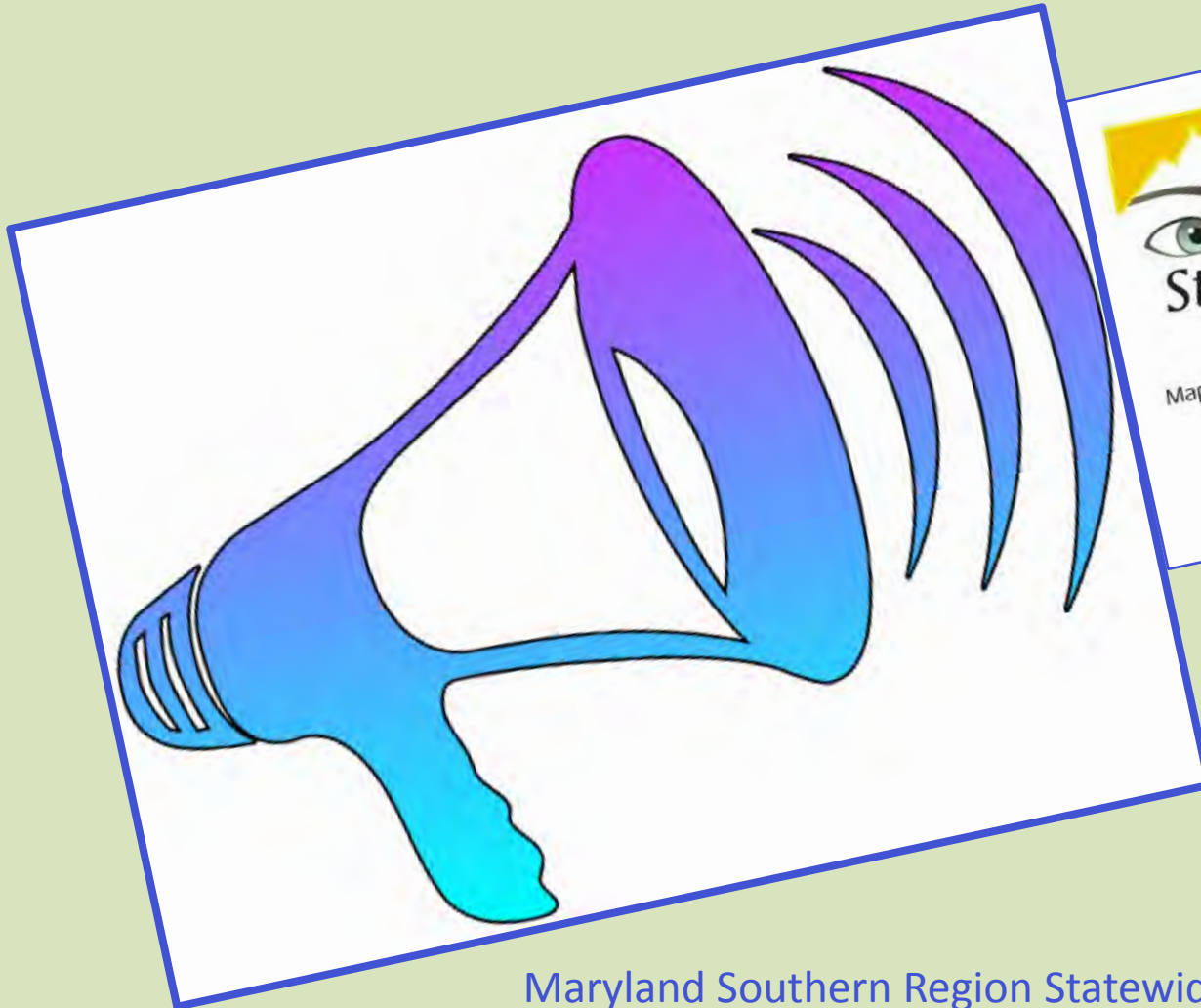
Forest and Kim Starr, Starr
Environmental, Bugwood.org



Wiley Durden, USDA Agricultural Research Service, Bugwood.org

Go out and find 'em!

T H A N K S !



Kerrie Kyde

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