

Trained Extension Volunteers Produce High Quality Native Seed

Sara Tangren, Home & Garden Information
Center, University of Maryland Extension

Jim Drews, Seed Testing Lab, Maryland
Department of Agriculture

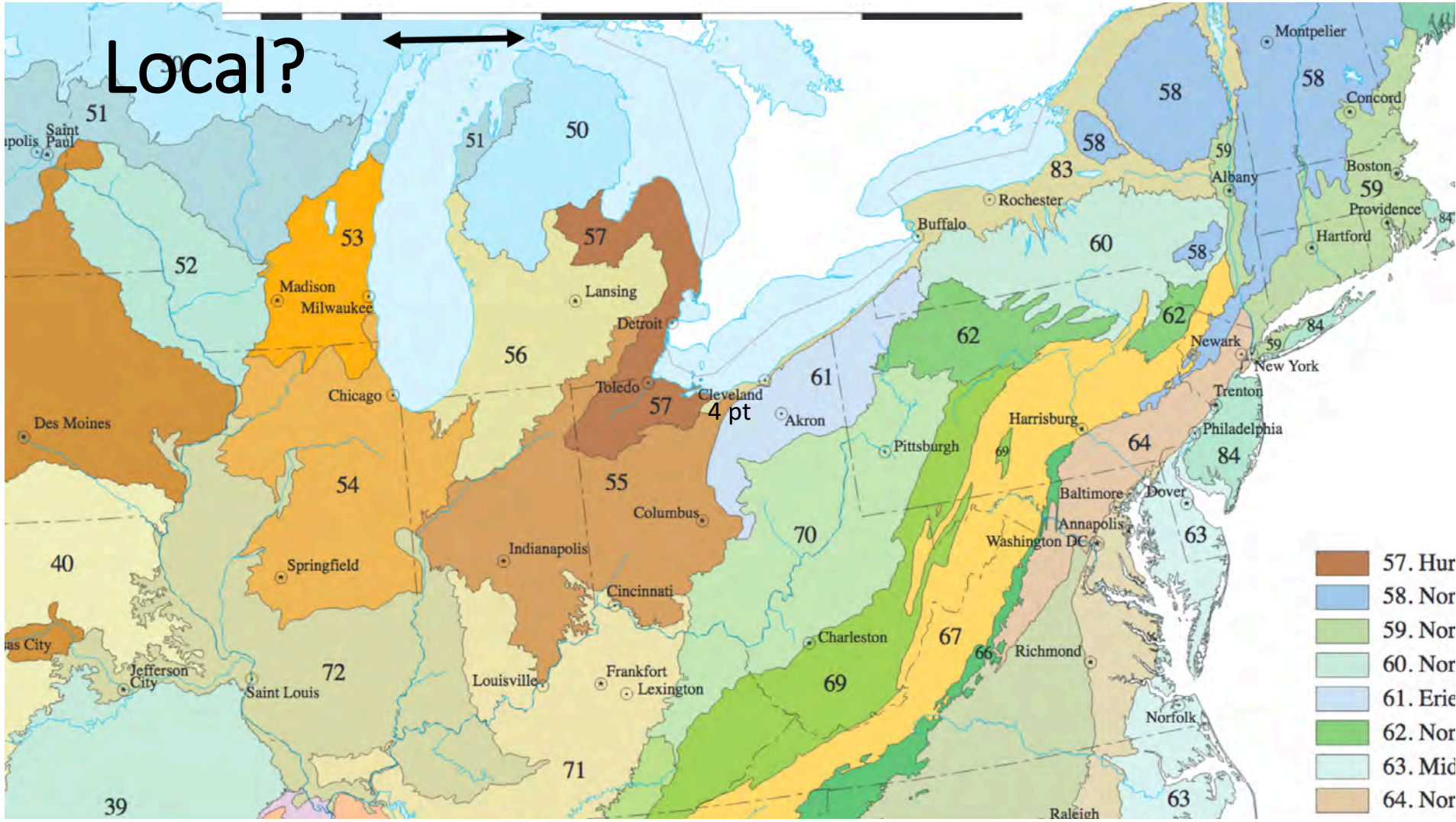


Extension

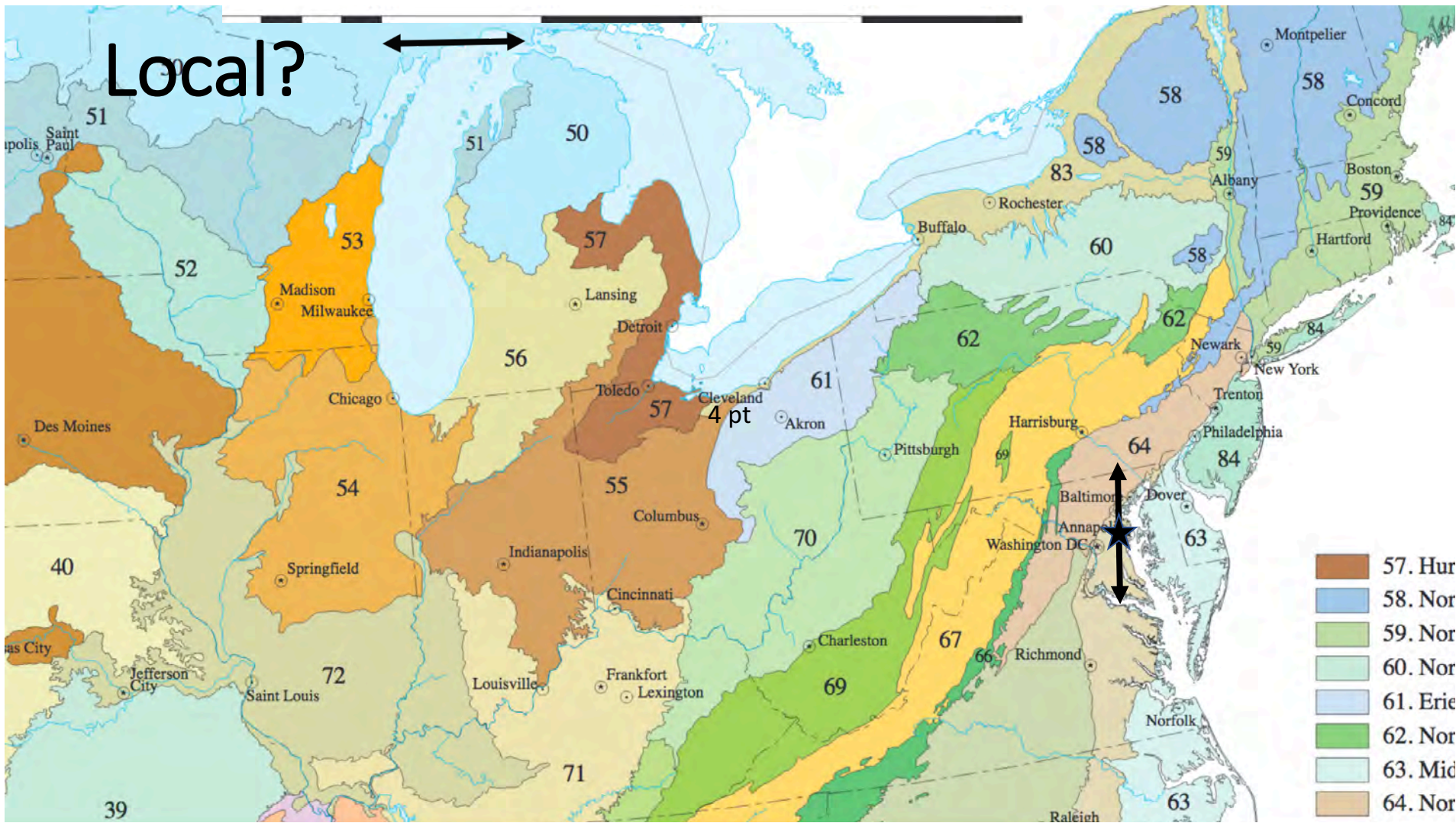
- Master Gardeners
- Master Naturalists



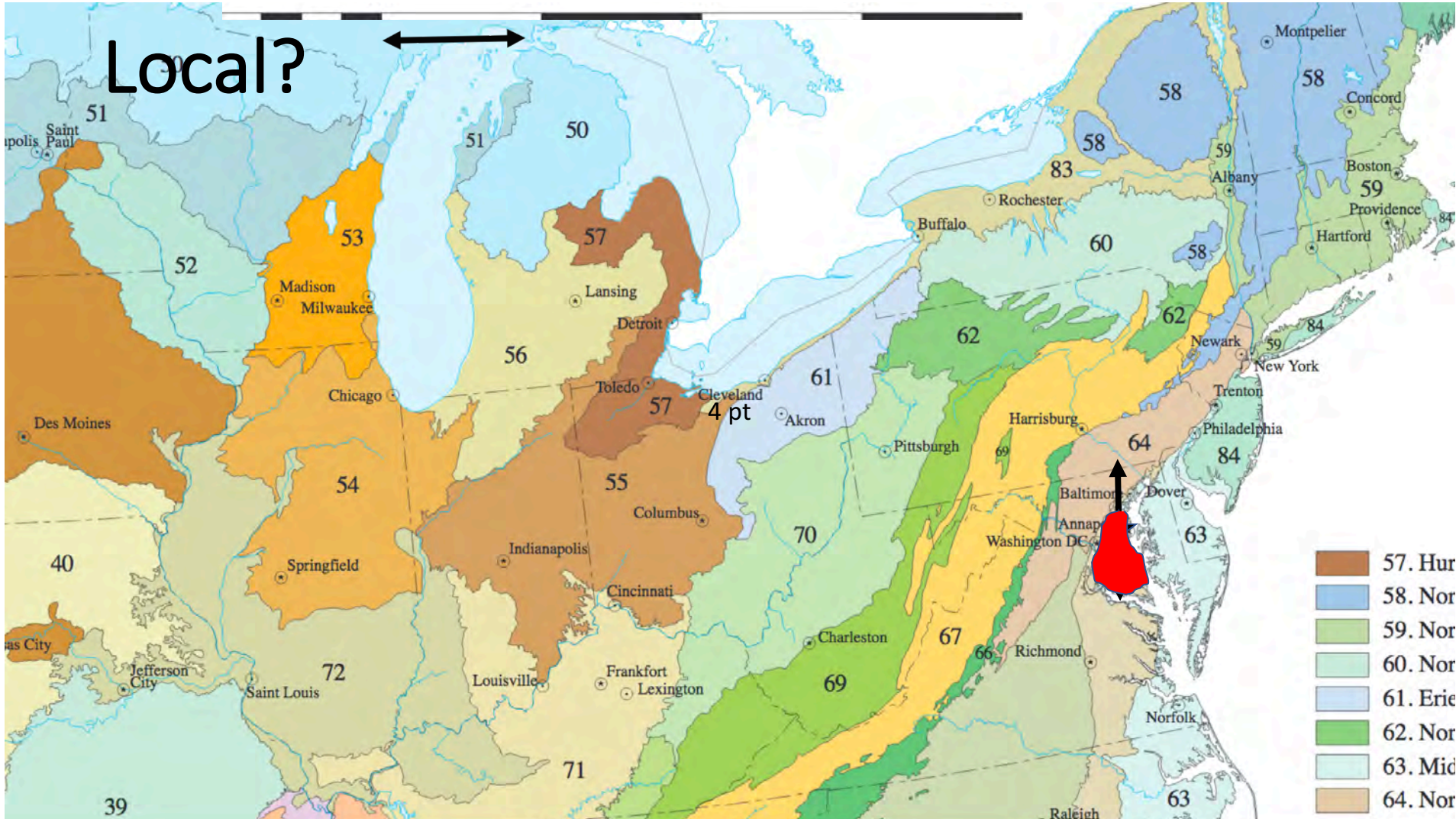
Local?

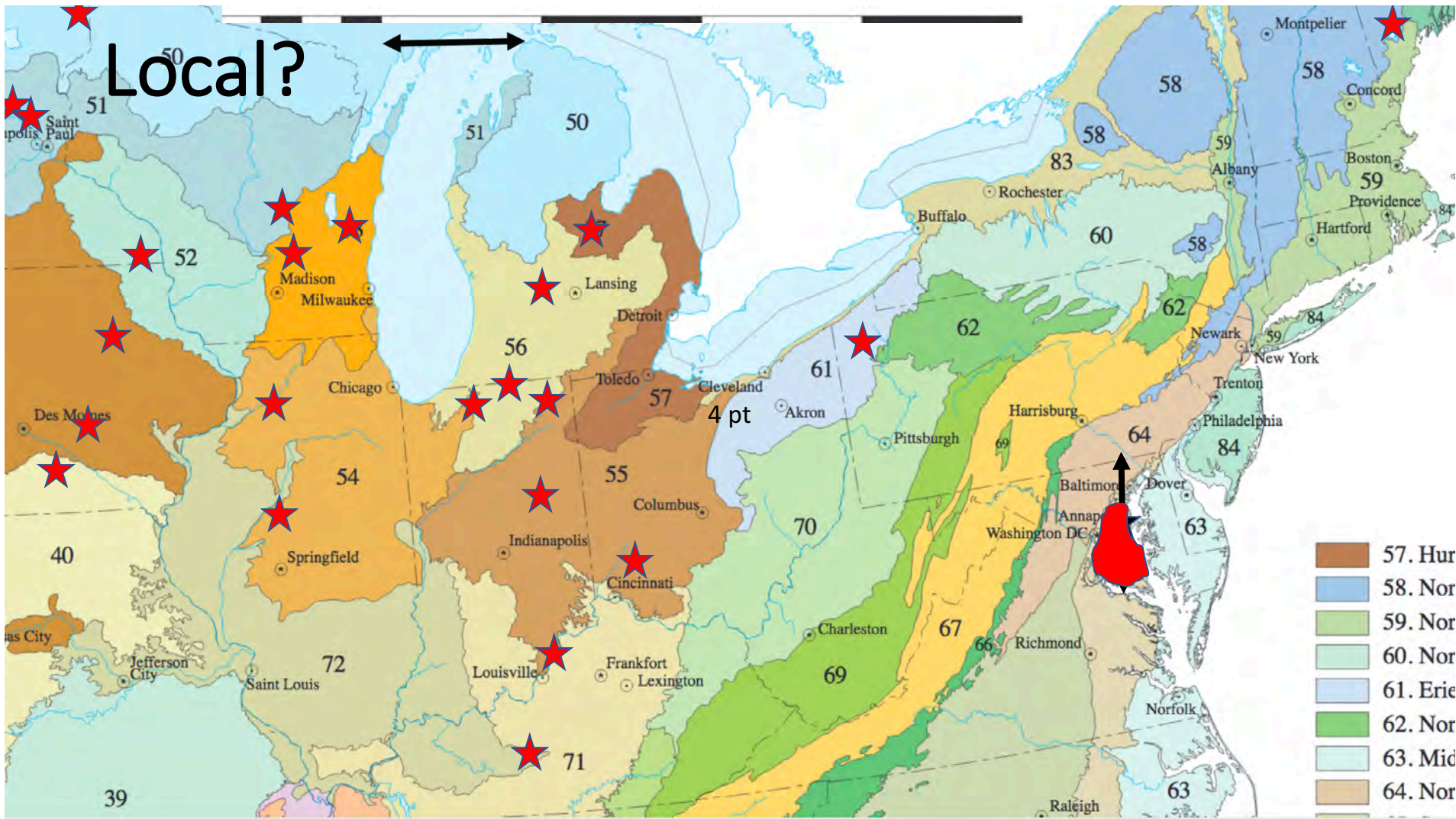


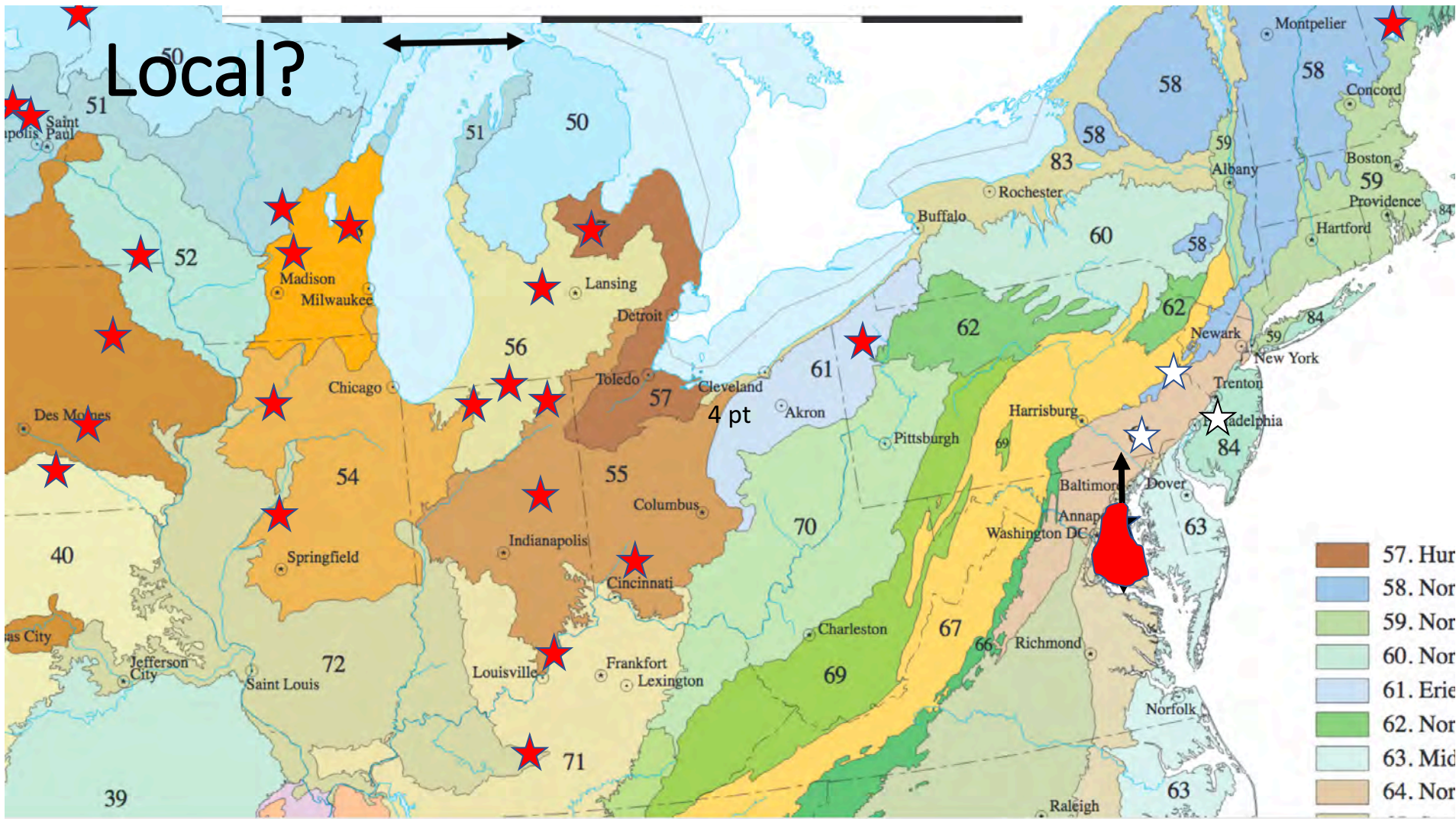
Local?

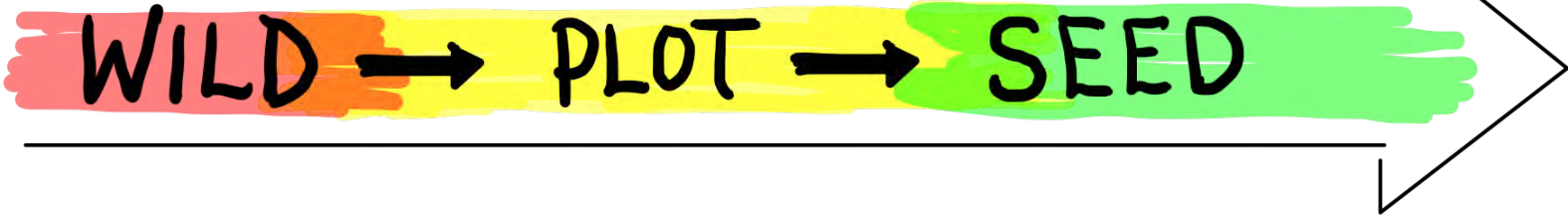


Local?









FIND
COLLECT
VERIFY

ESTABLISH
MAINTAIN
VERIFY
HARVEST
CLEAN

TEST
TRACK
VERIFY

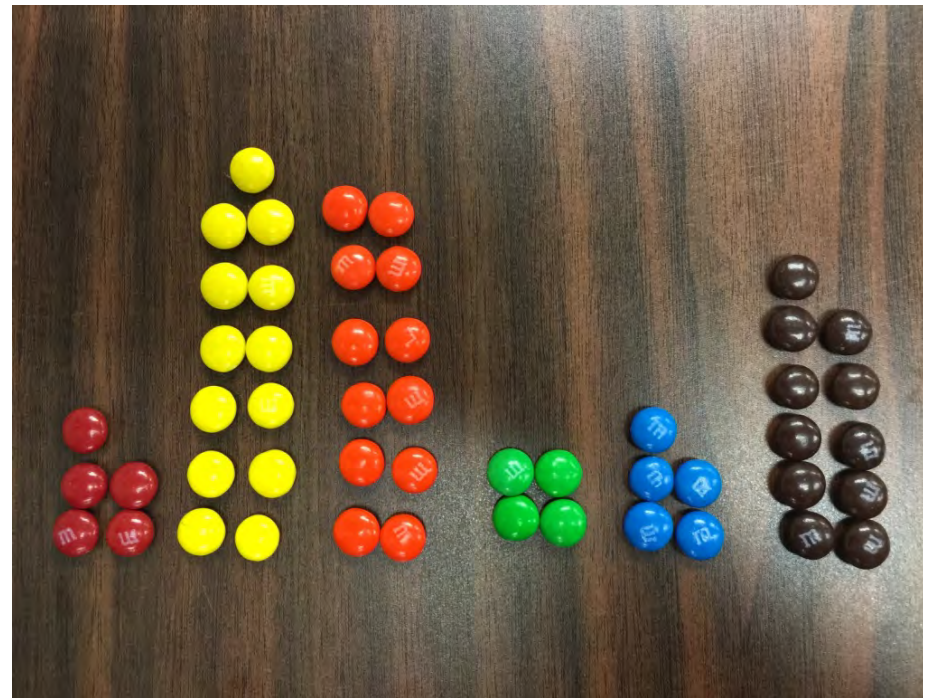
Wild Curriculum

1. Seed biology



Wild Curriculum

1. Seed biology
2. Genetic diversity



Wild Curriculum

1. Seed biology
2. Genetic diversity
3. Seeds of Success collection protocol

SEEDS



OF SUCCESS

Wild Curriculum

1. Seed biology
2. Genetic diversity
3. Seeds of Success collection
4. Plant rescue





VERIFY - Wild site documentation

APPLICATION FOR SOURCE VERIFICATION OF PARENT POPULATION

PART II: Describe the applicant.

Applicant's Name: Kent Phillips
 Street: 7591 M. WINTER LANE
 Town, State, Zip Code: CLARKSVILLE MD 21029
 Phone: 301-490-5963
 Email: KENT.A.Phillips@GMAIL.COM

PART III: Describe the plants.

For documentation purposes, as applicable and as possible, attach the following photos:
 1. landscape scale photo of the plants,
 2. photo of whole plant,
 3. close-up photo of any taxonomically significant details.

Species' Common Name	<u>New York Ironweed</u>
Species' Scientific Name	<u>Vernonia noveboracensis</u>
Collected	<input type="checkbox"/> rescued wild plants <input checked="" type="checkbox"/> collected wild seeds
Parent Population Description and Size (in sq. ft. or acres)	<u>Approx 5ac area of young woods and wet meadow with the ironweeds being in the meadows.</u>
Est. No. Plants in Parent Population	<u>100</u>
No. of Parent Plants Collected From	<u>50</u>

Other information or comments you may have about the plants: The population (5ac area) exists into creek property. We did not collect from the park.



PART III: Describe the location.

Include an aerial photo/map such as can be obtained from Google Maps. Use a marker to show location of parent population to be inspected. The map should include roads and any other landmarks that will help to identify plots.

Parent Population Name and Address*	<u>"Roscoe's Pasture"</u> <u>3910 Warfield Pond Everbark</u> <u>Brownwood MD 21232</u>
Property Owner Name	<u>George + Dana Roscoe</u>
Property Owner Permission Has Been Obtained	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
GPS Coordinates	<u>39.293943N</u> <u>77.0210</u>

*If the area has no street address, provide nearest road, township.

Other information or comments you may have about the location:

Street name used to be MacClint

PART IV: Send in your application.

Remember to attach the plant photos and the photo/map to your request to slipstream@umd.edu or mail to:
 Master Gardener's Native Plant Program
 Home & Garden Information Center
 University of Maryland Extension
 12005 Homewood Road
 Ellicott City MD 21042

Do not write below this line.

For Verifier Use Only:

Verifier Name:	<u>Sara Tangren</u>	Verifier Signature:	<u>Sara</u>
Site Visit Date:	<u>Aug. 11, 2014</u>	Certificate Number:	
Approved:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

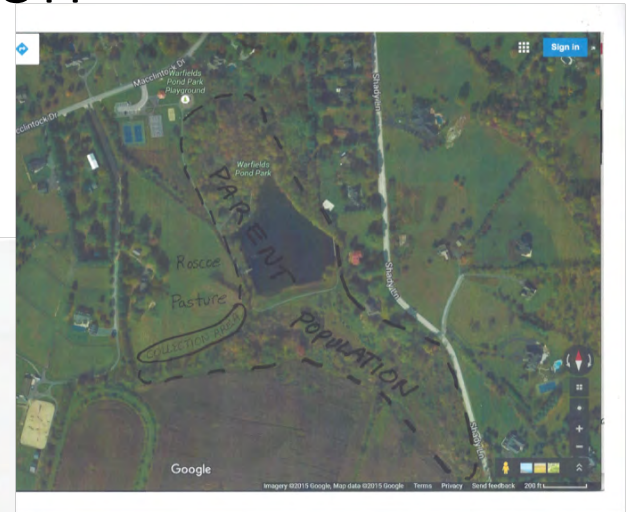
Roscoe pasture New York Ironweed wild population verification photos.

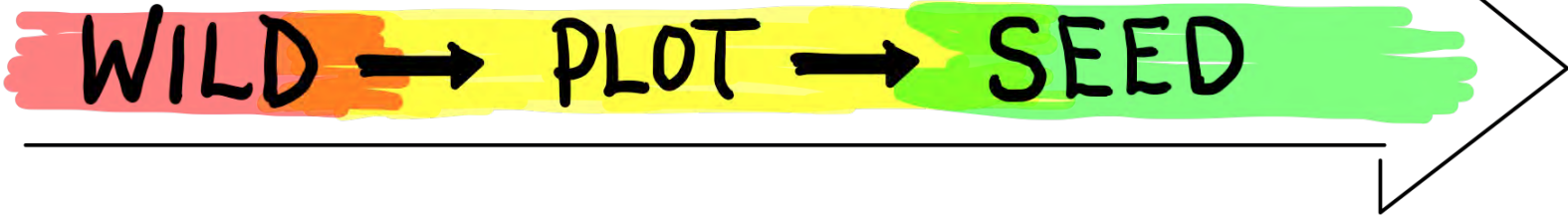


August 11, 2014. New York Ironweed (purple) and Swamp Milkweed (pink) blooming in the moist area of the Roscoe pasture.



October 22, 2014. Looking across the lower pasture toward the wet meadow. High grasses are areas the owners left uncut for the rescue.





FIND
COLLECT
VERIFY

ESTABLISH
MAINTAIN
VERIFY
HARVEST
CLEAN

TEST
TRACK
VERIFY

Plot Curriculum

1. Establishing plot
2. Maintaining plot
3. Seed harvest
4. Seed cleaning



Preserve
Diversity

Establish and Maintain

Maryland Goldenaster
Chrysopsis mariana



New York Ironweed
Vernonia noveboracensis



1.7 lb
500,000 seeds

Black-eyed Susan

Rudbeckia hirta



VERIFY – Domestic site documentation

**APPLICATION FOR SOURCE VERIFICATION
OF FOUNDATION PLOT**

Use this form to request a site visit for verification of a plot where foundation seed is to be collected.

PART I: Describe the applicant.

Applicant's Name: Kent Phillips
 Street: 7891 NINETEEN LANE
 Town, State, Zip Code: CLARKSVILLE MD 21029
 Phone: 301-490-6963
 Email: J.CENT.A.Phillips@GARTL.COM

PART II: Describe the plants.

Attach the verification form for the parent population.

Species' Scientific Name:	<u>Vernonia noveboracensis</u>	
No. Plants in Foundation Plot:	<u>90</u>	Generation of Foundation Plot*:
Wild Population verification certificate number:	<u>14-01</u>	

* Wild plant/seed = 0, 1st descendant plant seed = 1, etc.

Other information or comments you may have about the plants:
Flowered their first year from seed.

PART III: Describe the location.

Attach an aerial photo/map such as can be obtained from Google Maps. Use a marker to show location of foundation plot to be visited. The map should include roads and any other landmarks that will help to identify plots.

Describe Plot Location*	<u>Side yard NW of house at above address</u>
Plot Street Address**	<u>same</u>
GPS Coordinates	<u>39.168576 N 76.909681 W</u>

*For example, school garden, yard, farm field, etc.
 **If the area has no street address, provide nearest road, township if any, county, and state.

Other information or comments you may have about the location:
ground fabric approx. 1000 s.f.

PART IV: Send in your application.

Remember to attach the verification form for the parent population and the annotated photo/n the foundation plot to your request form. When complete, email to stangren@umd.edu or mail to:
 Master Gardener's Native Plant Program
 Home & Garden Information Center
 University of Maryland Extension
 12005 Homewood Road
 Ellicott City MD 21042

For Verifier Use Only:	
Verifier Name:	<u>Sara Tangren</u>
Site Visit Date:	<u>10/9/15</u>
Approved:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Verifier Signature:	<u>Sara Tangren</u>
Certificate Number:	<u>15-01</u>

Verifier Comments:



Phillips foundation bed verification photos, 10/9/15.





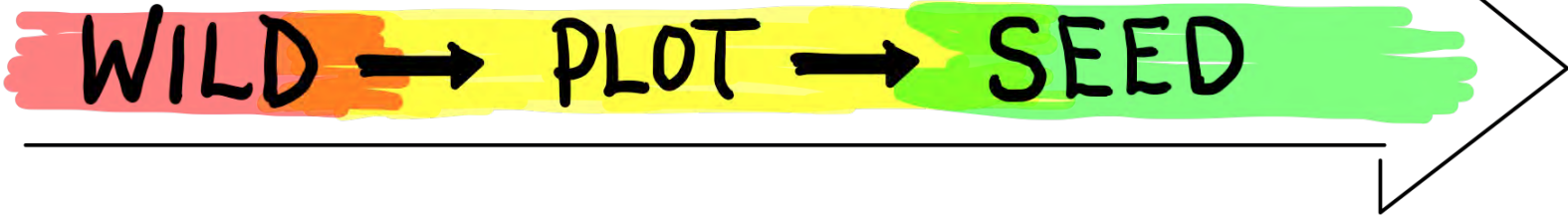
Harvest

10.4 ounces
83,000 seeds

Maryland Goldenaster
Chrysopsis mariana

Seed Cleaning





FIND
COLLECT
VERIFY

ESTABLISH
MAINTAIN
VERIFY
HARVEST
CLEAN

TEST
TRACK
VERIFY



Maryland Department of Agriculture Turf & Seed Seed Testing Lab

In Maryland, the Dept. of Ag is *the* seed certification agency:

- Certified Wheat, Barley and Soybeans
- Certified Sod
- Interagency Certified Turf Grass Seed and Mixtures
- Association of Official Seed Certifying Agencies (AOSCA)
- Association of Official Seed Analysts (AOSA)

Storing, Sharing, Tracking

*University of Maryland Extension
Home & Garden Information Center*







The preceding presentation was delivered at the

2017 National Native Seed Conference

Washington, D.C. February 13-16, 2017

This and additional presentations available at <http://nativeseed.info>

