

MNPS Monthly Program: Biological Control of Invasive Plants Using Insects  
by Ellen Lake  
07/25/2023, 7:00 PM - 9:00 PM @ Zoom Meeting

19:01:36 From Vanessa to Everyone:

Sorry I'm Vanessa Neill. I don't have a microphone, so can join the conversation.

19:02:15 From Vanessa to Everyone:

No, I'm just a Howard County Master Gardener.

19:05:07 From Robert Jenkins to Everyone:

Blue Water Baltimore's Herring Run Nursery was voted "Best in Baltimore" for native plants!

19:11:30 From Grayson Gross to Everyone:

Hey Everyone! Before we get started, I just moved to Westchester county NY, does anyone know of any good plant groups, conferences, or societies in New York?

19:11:53 From Lynn D. to Everyone:

Report Spotted Lanternfly sightings here online:

<https://mda.maryland.gov/plants-pests/Pages/spotted-lantern-fly.aspx>

19:11:53 From Grayson Gross to Everyone:

Way to go Rob! I love Herring Run

19:12:19 From Cesar Garzon to Everyone:

Congrats Robert, that's amazing!

19:15:00 From Robert Jenkins to Everyone:

Thanks so much!

19:15:17 From Heather Whirley to Everyone:

Site says no longer need to report spotted lanternfly in Cecil or Harford Counties in Maryland, but anyone else can use this direct link to the survey,

<https://survey123.arcgis.com/share/26f9dbec58674313b1bec03ddb8b5f0e>

19:19:38 From Kit Gage to Everyone:

It is illegal I think in Mo Co to use broadleaf pesticides on lawn

19:20:32 From Kit Gage to Everyone:

You could ask Mary Travaglini of DEP about this. She's their lawn person.

19:21:28 From Heather Whirley to Everyone:

White clover is non native.

<https://extension.umd.edu/resource/clover>

19:21:51 From Kit Gage to Everyone:

Speaking of Michael Wilpers, check out the Sierra article that highlights his work to help create a wonderful prairie under the Pepco power lines in the Sligo Creek watershed.

19:22:05 From Tess Loys to Everyone:

It uses tetrodotoxin, same toxin as a puffer fish. jess

19:22:40 From Hess to Everyone:

We don't really have native earthworms around here- as far as I know...

19:23:02 From Tess Loys to Everyone:

Earthworms were originally brought in with the glaciers

19:23:04 From Tess Loys to Everyone:

jess

19:23:27 From Grayson Gross to Everyone:

Replying to "Speaking of Michael ..."

Do you have the link, by any chance? I'd love to share it!

19:24:06 From Hess to Everyone:  
The larvae of fireflies may be too hard for these planarian to eat  
..

19:25:17 From David Fulton-Howard to Everyone:  
Replying to "Speaking of Michael ..."

I think this may be it

19:25:19 From David Fulton-Howard to Everyone:  
Replying to "Speaking of Michael ..."

<https://www.sierraclub.org/sierra/new-maryland-law-boon-wildlife>

19:25:50 From Anthony to Everyone:  
Bona Terra: <https://bonaterradc.com/>

19:26:10 From Michael Ellis to Everyone:  
Replying to "The larvae of firefl..."

Hope so

19:27:41 From Tess Loys to Everyone:  
Thank you! - Jess

19:28:16 From Pru Foster to Everyone:  
Here's the MNPS map

19:28:17 From Pru Foster to Everyone:  
<https://www.mdflora.org/nurseries.html>

19:30:05 From lizmcdowell to Everyone:  
FYI - Last glaciers never reached MD.

19:36:04 From Judy Fulton to Everyone:  
Liz, of course you're right that the last glaciers didn't reach MD, but the extremely cold, sub-Arctic climate did, and that's what killed off earthworms

19:36:28 From Grayson Gross to Everyone:  
Replying to "Speaking of Michael ..."

Thanks!

19:36:45 From Hess to Everyone:  
What's the specific name for the seaside Amaranth? Thank you !

19:38:20 From Amy Greene to Everyone:  
*Amaranthus pumilus* seabeach amaranth federally listed

19:46:07 From Hess to Everyone:  
Replying to "*Amaranthus pumilus* s..."

Thanks!

19:51:30 From Steve Lonker to Everyone:  
Has genetic biocontrol methods utilizing naturally occurring genetic alleles, irradiated organisms, endoparasitic bacteria, etc. been deployed to control invasive plants? What are the regulatory considerations for using genetic biocontrol strategies?

19:54:43 From David Fulton-Howard to Everyone:  
Replying to "Has genetic biocontr..."

Here is a previous MNPS talk on biological control using pathogens:  
<https://youtu.be/TnN6yKRvsGU>

19:56:47 From William Allen to Everyone:

Has any study involved the presence or no presence of fungi in or around the MAM that has a presumed affect on MAM presence?

20:01:57 From Michael Wilpers to Everyone:

What can state governments (like MD) do to complement the work on biocontrols funded by federal agencies (like USDA), universities, and private grants? I understand that NY, FLA, and GA lead the way in this regard in adding state funds, staff, and facilities to the effort.

20:02:32 From Steve Lonker to Everyone:

Replying to "Has genetic biocontr..."

The question pertains to genetically manipulated pathogens which includes insects using CRISPR-Cas9 and other methods. The presentation you cite doesn't address the question.

20:09:18 From Michael Wilpers to Everyone:

Can you say which (if any) of the other Asian vines we are likely to see an insect biocontrol released in MD in the next few years?

20:13:46 From Amy Greene to Everyone:

Do you predict there will be geographic areas of a particular climate where the weevils won't be effective

20:32:10 From Sue H to Everyone:

Fantastic presentation

20:34:27 From Judy Fulton to Everyone:

Native Plant Network: <https://nnpn.rngr.net>

20:38:38 From Diane to David Fulton-Howard(Direct Message):

How can a home gardener apply your findings?

20:40:03 From Kathleen Michels to Everyone:

<https://rng.net/> and <https://nnpn.rngr.net/propagation>

20:41:15 From Judy Fulton to Everyone:

Field Guide for the Biological Control of Weeds:

[http://bugwoodcloud.org/resource/pdf/FHTET-2016-](http://bugwoodcloud.org/resource/pdf/FHTET-2016-04_Biocontrol_Field_Guide.pdf)

[04\\_Biocontrol\\_Field\\_Guide.pdf](http://bugwoodcloud.org/resource/pdf/FHTET-2016-04_Biocontrol_Field_Guide.pdf)

20:41:51 From Brent Chippendale to Everyone:

Is there any expectation that broad effective control can eventually be achieved without additional releases of the weevils?

20:42:15 From Steve Lonker to Everyone:

Fantastic talk! Learned a lot.

20:42:19 From Deb to Everyone:

Very informative and exciting work! Thank you, Ellen, for your time and work!

20:43:01 From Janice to Everyone:

Excellent presentation. Thank you!

20:44:49 From Robert Jenkins to Everyone:

Thanks so much!

20:44:56 From Dan Lyons to Everyone:

fascinating presentation; great work

20:45:07 From Grace McKearin to Everyone:

Thanks for the great presentation, Ellen! Loved the info on Mt. Cuba!

20:45:12 From Alex Clunas to Everyone:

Reaaly informative. Thanks.

20:45:15 From Grayson Gross to Everyone:

Thank for a great presentation, Ellen!

20:45:25 From Meagan House to Everyone:

Thank you!