

18:52:18 From Diane Beedle To Everyone:

I have around 15 copies in Cheverly, MD. If anyone is close by and wants one, contact me at [dianebeedle@gmail.com](mailto:dianebeedle@gmail.com)

19:00:55 From Homeland To Everyone:

Hello, I'm new to the group...so I can baseline, what is this 'Maryland' organization's definition of "Native"? And, I struggle (as a new Herbalist) to distinguish between an Invasive Plant and a medicinally beneficial plant/herb available in this region. If someone can prepare a response outside of this venue I'd be most appreciative. - Wayne Creadick

19:01:18 From Judy Fulton To Everyone:

Looking up Mid-Atlantic invasive species:  
<https://www.invasive.org/midatlantic/>

19:01:19 From Meredy Weir McDonagh To Everyone:

Was that Mock Strawberry that Marc alluded to? Will keep my out.  
Thanks

19:05:05 From Judy Fulton To Everyone:

Looking up VA locations and habitats for natives and non-natives:  
<http://vaplantatlas.org/>

19:10:12 From Judy Fulton To Everyone:

Looking up native and non-native plant species in the Mid-Atlantic and some neighboring states: <https://fsus.ncbg.unc.edu/search-taxon.php>

19:25:22 From Grayson Bo Guthrie To Everyone:

Question for Matt: How do you choose which plants to target in your research?

19:27:28 From Pru Foster To Everyone:

Question for Matt: Can you recommend any "Citizen Science" programs that we can contribute to in the fight against invasive plants? Especially with regard to biological controls?

19:29:00 From Jil Swearingen To Everyone (in Waiting Room):

LOVE that picture!!

19:29:05 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:

Matt - will you try to seed native plants to replace the dying 'invasive' if the pathogen works?

19:29:19 From Jean Wisgirda To Everyone:

Question for Matt: Have you seen any plant specific pathogens get released, then later mutate spontaneously to infect other native plants?

19:30:17 From Dave Ottalini To Everyone:

We stacked tumbleweeds to turn into snowmen during the holidays where I grew up in the high desert of Southern Cal. 😊

19:31:01 From Angela Moxley (she/her) To Everyone:

Do pathogens usually receive regulatory approval? What are some reasons a pathogen might not be approved?

19:31:07 From Grayson Bo Guthrie To Everyone:

adding to my question, I'm curious if phragmites made the list!

19:31:21 From ejscaruffi To Everyone:

Why didn't these pathogens come in at the same time as the invasive plants themselves???

19:31:52 From lklouzal To Everyone:

How can your team be sure the introduced plant that kills the invasive plant does not travel elsewhere and kill "good plants"?

19:31:52 From REBECCA's iPhoe To Everyone:

Question for Matt: Many of our wild areas and parks are overrun with Japanese stiltgrass. It would seem to me that this is having a disastrous effect on those ecosystems. What is being done about this in the MidAtlantic? Is DNR or Parks involved?

19:33:47 From Anne Watson To Everyone:

Not to be factious, but I thought this would be about using goats since they are a "biological control".

19:34:54 From Heidi Pringle To Everyone:

Is it possible that some native plants in the same family of the inoculated invasive plants could have no defense for the pathogen?

19:35:08 From Bob Dietz To Everyone:

Can you at least address knotweed a bit?

19:37:53 From lklouzal To Everyone:

have you investigated whether beneficial fungi can boost the vigor of native plants and plant communities enough to help them out compete invasives and pests that wipe out plants and trees.

19:37:58 From Isu Ravi To Everyone:

Perilla Mint is a delicious seasoning if you want to do your part in eradicating it 😊

19:38:46 From Grayson Bo Guthrie To Everyone:

why have these endemic pathogens not curbed their growth naturally on a larger scale yet?

19:38:54 From Aliko To Everyone:

What happens to humans and other animals when they eat those "weeds"?

19:39:09 From tinatbrown To Everyone:

As others have questioned, How are you able to limit the spread of the bio pathogen specifically to the invasive plant? How can you restrict the pathogen, without infecting nearby Midatlantic native plants?

19:40:37 From Veri Regina Tassone To Everyone:

they can't limit the spread - we all know Life Finds a Way. they can only demonstrate that in the conditions under which they collected data so far it didn't do anything they didn't like

19:41:49 From Veri Regina Tassone To Everyone:

(unless ofc it does - and then, oops!)

19:42:09 From Cg's iPad mini To Everyone:

Are you doing any work on citrus canker and greening? Or would that be strictly in the south?

19:42:34 From Ginger Woolridge To Everyone:

Are there examples of these pathogens being used successfully in the past?

19:43:41 From Cherlyn's iPad To Everyone:

Is resistance an issue?

19:44:52 From Greg Brennan To Everyone:

I am willing to sacrifice broccoli to get rid of garlic mustard.

19:45:03 From Isu Ravi To Everyone:

lol

19:45:52 From Aliko To Everyone:

Garlic. Mustard is delicious either raw or cooked!

19:46:26 From Isu Ravi To Everyone:

It is pretty tasty!

19:46:36 From Veri Regina Tassone To Everyone:

"weeds" is a judgement, not a biological category

19:46:40 From Stacie McGraw To Everyone:

When evaluating whether a pathogen will only infect the target host plant, do you test it against non-native ornamental plants or only regionally native plants?

19:47:36 From Sherry Steiner To Everyone:

What should we do if happen to find an invasive plant that is being affected by disease? Is there a way to document it and propose it further study?

19:47:51 From Stephanie Hall To Everyone:

I have plenty of invasive species on my 12 acres and they are outcompeting me...no matter how hard I try I can't seem to make a dent...I have the perilla mint, stiltgrass, garlic mustard, etc. in abundance and would love to volunteer to help you in any research or testing!

19:48:17 From Frank Sanford To Everyone:

Was it a pathogen or insect that was used on mile-a-minute?

19:48:46 From Jil Swearingen To Everyone(in Waiting Room):

Insect- tiny weevil

19:48:54 From Meredy Weir McDonagh To Everyone:

me too, acres of lesser celandine - fig buttercup. Pix looks like my yard

19:49:14 From David Fulton-Howard To Jil Swearingen(Privately):

Jil, you're saying stuff just to the waiting room

19:49:18 From Veri Regina Tassone To Everyone:

it's up now

19:49:31 From David Fulton-Howard To Jil Swearingen(Privately):

(that was a direct message, not to any other participants)

19:49:35 From Meredy Weir McDonagh To Everyone:

I know! UGHH

19:49:36 From Lynn Parsons To Everyone:

@veri Regina +1

19:49:38 From Jil Swearingen To David Fulton-Howard(Privately):

Yep I noticed. Not sure why it happened

19:49:45 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:

This has completely invaded the stream bed on my property - it's covering the daffodil beds - everything!!

19:50:27 From David Fulton-Howard To Jil Swearingen(Privately):

when you are admitting people, if you try to click Admit All and it disappears, you get a different button -- Message Waiting Room

19:50:39 From Jil Swearingen To Everyone:

A tiny weevil was released for biocontrol of mile-a-minute back in the early 2000s. If you see feeding damage, little holes, in leaves, it's likely the weevil.

19:50:43 From Lauren Hubbard To Everyone:

What do you consider a successful control? Percentage of species dead, unable to reproduce, or????

19:50:49 From David Fulton-Howard To Jil Swearingen(Privately):

so it's really easy to accidentally switch to waiting room only

19:51:06 From Bill Orleans To Everyone:

A question not related to this talk, is the ARS budget a result of direct congressional appropriation, or Ag Dep't allocation, or a mix? Thanks.

19:51:41 From Meredy Weir McDonagh To Everyone:

Should we report to you if we see disease on our acres of fig (lesser celandine)?

19:51:47 From Isu Ravi To Everyone:

Question for speaker: Is there a way we can report any pathogens we see on invasive weeds in order to help this research?

19:51:48 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:

Matt can come to my yard to experiment on controlling the fig buttercup!!!!

19:52:33 From Fawn Palmer, To Everyone:

Do native species receive research attention about species that are super resistors for these pathogens?

19:52:36 From Kathy and Jerry To Everyone:

Me too! FIG buttercup in dense mats all through the stream valley behind me

19:55:47 From Frank Sanford To Everyone:

If "we" come across what appears to be a bacterial or fungal infection on an invasive would it be useful to send a picture or sample to Mathew or ????

19:56:22 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:

Great point Frank!

19:56:25 From Ginger Woolridge To Everyone:

Do you think your group would ever deal with the vines that are killing our canopy trees? Or, maybe another agency is working on this issue?

19:57:04 From Meredy Weir McDonagh To Everyone:

Agreed for need to stop vines on all the trees

19:57:05 From P. J. Harmon To Everyone:

To Dr. Matt Tancos: in the 1990s, I was the only Natural Heritage Botanist in the Eastern U. S. who objected to the release of Galerucella to control purple loosestrife (Lythrum salicaria), because I questioned if the research was adequate to assure us that these beetles would only attack purple loosestrife. As it turned out, I was wrong, for in time we saw that Galerucella was effective in controlling purple loosestrife with no known attack of native species of plants. My question: is that still true, or have the beetles been found to attack other plant species? It seems your program is taking great care in researching risks to native species.

19:57:20 From lklouzal To Everyone:

Fascinating and scary topic! thank you!!

19:57:36 From Lisa Doseff To Everyone:

Thank you!

19:57:50 From Dave Ottalini To Everyone:

Great info - thank you so very much!

19:57:55 From Catherine Plaisant To Everyone:

Any example of successfully reaching the last step i.e. release on MD invasive?

19:58:10 From Ginger Woolridge To Everyone:

Thank you!

19:59:25 From Jay Sheppard To Everyone:

Any promising control for knotweeek?

19:59:42 From Isu Ravi To Everyone:

Question for speaker: Does the USDA have any power in regulating the sale of invasive species at nurseries and stores such as home depot or lowes?

20:00:34 From Sara Tangren To Everyone:

Yes, time to write my representatives!

20:01:10 From Paula Desio To Everyone:

This was exceptional. Thank you

20:01:18 From margaretstanton To Everyone:

Scary to think we would bring in a foreign pathogen to deal with foreign plants! Really worry about the future damage to our environment. Not disrespecting the effort, but still scary!

20:02:16 From Ariel Zelaya To Everyone:

Can you mention some foreign pathogens (Bacteria and fungi) that have been successfully released in the past?

20:04:58 From Grace McKearin To Everyone:

There is a lot to this. Thank you for enlightening us on your part in in the control of invasives. Very interesting!

20:06:08 From Isu Ravi To Everyone:

Question for the speaker: I have noticed a lot of lantern flies congregating on trees of heaven. Is it possible that the lantern fly could start killing back this invasive tree? Has there been any research on this?

20:06:58 From Marc Imlay To Everyone:

The rate of error has dropped from 50% to 3%

20:07:19 From margaretstanton To Everyone:

Who is pushing to have more than 4 people working on this critical issue? Should be write letters???

20:07:22 From Veri Regina Tassone To Everyone:

what would have been the quantified risk of covid-19 jumping from bats to humans?

20:07:29 From Jon Nash To Everyone:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7469210/#:~:text=There%20we%20tested%20whether%20the,evidence%20that%20this%20transmission%20occurred.>

20:09:39 From Marc Imlay To Everyone:

Can we take no chance of error for moderately invasive weeds but not quite so certain for the worst invasives such as Japanese Stiltgrass?

20:09:39 From Marc Imlay To Everyone:

20:11:40 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:

I agree that it would seem so much more effective to have a LARGER TEAM working on these things! The new Ag Bill is being developed now. How can we effectively lobby for a larger team for your department? Now is the time to do it!

20:12:10 From Heidi Pringle To Everyone:

Would you comment on a possible analogy of American Chestnut?

20:13:45 From Glenn Kotnik To Everyone:

What about Bipolaris species for stiltgrass?

20:18:46 From Marc Imlay To Everyone:

Is there a host specific biocontrol of Fig Buttercup in France?

20:19:48 From Katie Stover To Everyone:

Once approved, what does the release of pathogens look like?  
(Meaning, patent's, private-sector collaboration, is it up to gardeners like us to buy it and apply it?)

20:20:13 From lklouzal To Everyone:  
Sorry if you answered this: Are you only testing agricultural crops to assess the prospect of harmful effects of introduced pathogens?

20:20:37 From Grayson Bo Guthrie To Everyone:  
Thank you!

20:21:45 From jan smith To Everyone:  
Once a pathogen is approved, who "manufactures" it for wide spread use?

20:22:23 From lklouzal To Everyone:  
I think you just answered my last question. Thanks

20:22:38 From margaretstanton To Everyone:  
PM-agree, time to write to Ag Com.!!

20:25:48 From Veri Regina Tassone To Everyone:  
Right, Fawn!

20:26:02 From Cherlyn's iPad To Everyone:  
Thank you for this program.

20:29:45 From Sara Tangren To Everyone:  
Margaretstanton, Looking at both House and Senate Ag committees, I don't see any members from Maryland :-(

20:31:15 From margaretstanton To Everyone:  
Sara Tangren-I'm in Va. Will have to research who is on the com.

20:33:07 From Sara Tangren To Everyone:  
Abigail Spanberger, Rep VA

20:33:37 From Ginger Woolridge To Everyone:  
And English ivy is killing a lot of mature trees - still for sale in MD

20:33:41 From margaretstanton To Everyone:  
Oh, great, Spanberger is great!

20:34:01 From Ginger Woolridge To Everyone:  
The English ivy is quick to grow.

20:34:50 From Chris Daily To Everyone:  
Does the Forest Service have a similar research program, for trees, etc?

20:35:22 From jan smith To Everyone:  
Thank you MNPS for this program. Very informative.

20:36:45 From Eileen Elliott To Everyone:  
Thank you from West Virginia.

20:36:56 From Marilyn To Everyone:  
Hopeful to see all these people interested in this issue

20:37:14 From Matt Bright To Everyone:  
Fascinating talk. Thanks so much!

20:37:16 From Grayson Bo Guthrie To Everyone:  
This is one of the coolest MNPS programs I have ever seen! How can I be your coworker???

20:37:38 From Matt To Everyone:  
Excellent presentation, thank you Matt and MNPS!

20:37:38 From Bev To Everyone:  
Thank you from a Virginia Beach Master Gardener!!!

20:37:40 From margaretstanton To Everyone:  
Thank you so much! I had no idea USDA was working on this!!

20:38:08 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:  
Great work Matt - I wish you a team of at least TWELVE!!

20:38:38 From Fawn Palmer, To Everyone:  
Thank You so much. Very Helpful and Informative. Thank you Matthew. I will contact Reps and Senators for Cogressional support.

20:38:41 From Betty Giddihngs To Everyone:  
Great presentation! Thank you for sharing this information.

20:38:46 From Patty McGrath, unceded land of the Manahoac and Piscataway-Conoy To Everyone:  
What's the name of your Agency within Ag so we can petition for more funding?

20:39:29 From Meredy Weir McDonagh To Everyone:  
What is this early detection app?

20:39:32 From Ginger Woolridge To Everyone:  
Considering the cost of invasives gone wild, we could use many, many more Matt's!

20:39:32 From Aliko To Everyone:  
Name of that app again?

20:39:55 From Freyda Black To Everyone:  
Please put that early detection url in the chat.

20:40:16 From David Fulton-Howard To Everyone:  
The app is MAEDN

20:40:28 From Janice To Everyone:  
Thank you so much for sharing this information. Excellent presentation!

20:40:34 From Jil Swearingen To David Fulton-Howard(Privately):  
Will you please save the chat?

20:40:42 From David Fulton-Howard To Jil Swearingen(Privately):  
yep

20:40:55 From David Fulton-Howard To Jil Swearingen(Privately):  
done

20:41:15 From Nancy Gladden To Everyone:  
Thank you Matt - very interesting work that you are doing.

20:41:16 From Aliko To Everyone:  
Thank you!

20:41:20 From Barbara Hoover To Everyone:  
USDA needs to beef up inspections from international flights, etc. I know - takes money

20:41:32 From M Little To Everyone:  
very interesting!

20:41:32 From Ariel Zelaya To Everyone:  
Great [presentation

20:41:32 From Katie Stover To Everyone:  
Thank you, Matt and all!

20:41:37 From Melvenia Browne To Everyone:  
Thanks