Message

From: Raziano, Amanda J. (CDC/OID/NCEZID) [aqg3@cdc.gov]
Sent: 11/28/2017 2:13:09 PM
To: Giles-Parker, Cynthia [Giles-Parker.Cynthia@epa.gov]
CC: Jennings, Susan [Jennings.Susan@epa.gov]
Subject: RE: Azole-resistance follow up

Thanks Cynthia! Susan, let me know what you need to help coordinate.

Amanda

From: "Giles-Parker, Cynthia" <Giles-Parker.Cynthia@epa.gov>
Sent: Tuesday, November 28, 2017 9:12 AM
To: "Raziano, Amanda J. (CDC/OID/NCEZID)" <aqg3@cdc.gov>
CC: "Jennings, Susan" <Jennings.Susan@epa.gov>
Subject: RE: Azole-resistance follow up

Hello Amanda,

I have copied Susan Jennings on this email regarding your request for a meeting. Susan will be your contact on this topic. Hopefully, she will be able to coordinate a meeting between our agencies.

Regards,
Cynthia

From: Raziano, Amanda J. (CDC/OID/NCEZID) [mailto:aqg3@cdc.gov]
Sent: Monday, November 27, 2017 3:38 PM
To: Giles-Parker, Cynthia <Giles-Parker.Cynthia@epa.gov>
Subject: RE: Azole-resistance follow up

Hello Cynthia,

I am following up on the email below to see if the folks we connected with earlier this year might be available for another call to discuss additional work around azole resistance. I hope you enjoyed the Thanksgiving holiday!

Best,
Amanda

From: Raziano, Amanda J. (CDC/OID/NCEZID)
Sent: Thursday, October 19, 2017 9:40 AM
To: Giles-Parker, Cynthia <Giles-Parker.Cynthia@epa.gov>
Cc: Jackson, Brendan R. (CDC/OID/NCEZID) <iyn0@cdc.gov>; Litvintseva, Anastasia P. (CDC/OID/NCEZID) <fra8@cdc.gov>; Chiller, Tom (CDC/OID/NCEZID) <tnc3@cdc.gov>; Lockhart, Shawn (CDC/OID/NCEZID) <gyi2@cdc.gov>; Sievert, Dawn M. (CDC/OID/NCEZID) <alz1@cdc.gov>; Benjamin, Lynette E. (CDC/OID/NCEZID) <bil0@cdc.gov>
Subject: Azole-resistance follow up

Good morning Cynthia,

I hope this email finds you well. We have been able to extend our work around azole resistance and fungicide use through another targeted project and wanted to see if there might be a good time to provide an update for those interested on your side.

Please let me know if there's a good date/time to reconnect.
Best,
Amanda

From: Giles-Parker, Cynthia [mailto:Giles-Parker.Cynthia@epa.gov]
Sent: Wednesday, June 21, 2017 8:53 AM
To: Raziano, Amanda J. (CDC/OID/NCEZID) <aqg3@cdc.gov>
Cc: Jackson, Brendan R. (CDC/OID/NCEZID) <iyn0@cdc.gov>; Litvintseva, Anastasia P. (CDC/OID/NCEZID) <frq8@cdc.gov>; Chiller, Tom (CDC/OID/NCEZID) <tnc3@cdc.gov>; Lockhart, Shawn (CDC/OID/NCEZID) <gyi2@cdc.gov>
Subject: RE: Thank you!

Hello Amanda

Thanks for the additional information identified below. I have listed the participants on the call yesterday. There are a couple of items that we need to follow up on to continue our discussion on the azoles which I have also listed below:

Participants on call:

Cynthia Giles-Parker, Offices Pesticide Programs (OPP)/Registration Division (RD)/Fungicide Branch (FB)
Rachel Holloman, OPP/RD/Fungicide Herbicide Branch
Hope Johnson, OPP/RD/FB
Tony Kish, OPP/RD/FB
Susan Jennings, OPP/Immediate Office/Public Health Officer for OPP
Arnet Jones, OPP/Biological and Economic Analysis Division (BEAD)/Immediate Office
Tara Chandgoyal, OPP/BEAD/Biological Analysis Branch
Tracy Perry, OPP/Pesticide Re-evaluation Division (PRD)

Action Items:

Search use information on registered conazoles. Try to provide non-confidential version of information
Fungicide Resistance Action - check to see if any reports on pathogen resistance and Aspergillus resistance
http://www.frac.info/
USDA – query if any information on resistance in peanuts or other crops, make USDA aware of concern
Search if USGS has any water information/monitoring on conazoles

Look forward to our continued discussions and next steps on this topic.

Cynthia

From: Raziano, Amanda J. (CDC/OID/NCEZID) [mailto:aqg3@cdc.gov]
Sent: Tuesday, June 20, 2017 5:41 PM
To: Giles-Parker, Cynthia <Giles-Parker.Cynthia@epa.gov>
Cc: Jackson, Brendan R. (CDC/OID/NCEZID) <iyn0@cdc.gov>; Litvintseva, Anastasia P. (CDC/OID/NCEZID) <frq8@cdc.gov>; Chiller, Tom (CDC/OID/NCEZID) <tnc3@cdc.gov>; Lockhart, Shawn (CDC/OID/NCEZID) <gyi2@cdc.gov>
Subject: Thank you!

Cynthia,

Thank you again for helping to facilitate the conversation today. It was very helpful to get feedback from your colleagues and we appreciate the offers for additional information sharing and future communications.

I wanted to be sure you had the names and contact information for our experts on the call today, including Shawn, our Fungal Reference Laboratory Director who wasn't able to join. Please feel free to share with those in your office as appropriate. If you are able to share a list of the folks on the call with us, we would appreciated it as well. We are happy to work through you or appropriate channels for communications, but I don't think we fully caught all the names and offices during the introductions.

> Tom Chiller, MD MPH – Chief, Mycotic Diseases Branch, Division for Foodborne, Waterborne & Environmental Disease, National Center for Emerging and Zoonotic Infectious Diseases
> Brendan Jackson, MD MPH – Deputy, Mycotic Diseases Branch, Division for Foodborne, Waterborne & Environmental Disease, National Center for Emerging and Zoonotic Infectious Diseases
> Shawn R. Lockhart, PhD (ABMM) – Director, Fungal Reference Laboratory, Division for Foodborne, Waterborne & Environmental Disease, National Center for Emerging and Zoonotic Infectious Diseases
> Anastasia Litvintseva, PhD – Lead, Fungal Research Team, Mycotic Diseases Branch, Division for Foodborne, Waterborne & Environmental Disease, National Center for Emerging and Zoonotic Infectious Diseases

We also wanted to share a couple additional references:

A link to information on the European CDC Risk Assessment for azole resistance in Aspergillus: http://ecdc.europa.eu/en/press/news/_layouts/forms/News_DispForm.aspx?List=8db7286c-fe2d-476c-9133-18ff4cb1b568&ID=32

2015 invited article on azole resistance (attached): Verweij, PE. Azole resistance in *Aspergillus fumigatus:* can we retain clinical use of mold-active antifungal azoles? J Clin Infect Dis.

Best,
Amanda

Amanda Raziano MPH
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Division of Foodborne, Waterborne, and Environmental Disease
National Center for Emerging and Zoonotic Infectious Diseases

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