Message

From: Hager, Aaron G [hager@illinois.edu]
Sent: 8/28/2020 4:14:06 PM
To: Lee Van Wychen [Lee.VanWychen@wssa.net]; 'Bradley, Kevin' [bradleyke@missouri.edu]; Chism, William [Chism.Bill@epa.gov]; hartzler@iastate.edu; wgj@purdue.edu; Tindall, Kelly [tindall.kelly@epa.gov]
CC: 'Bryan Young' [BryanYoung@purdue.edu]
Subject: RE: Any Update on Dicamba Resistance in Waterhemp or Other Weeds

Zero…it's all caused by AMS.

From: Lee Van Wychen <Lee.VanWychen@wssa.net>
Sent: Friday, August 28, 2020 8:40 AM
To: 'Bradley, Kevin' <bradleyke@missouri.edu>; 'Chism, William' <Chism.Bill@epa.gov>; hartzler@iastate.edu; Hager, Aaron G <hager@illinois.edu>; wgj@purdue.edu; 'Tindall, Kelly' <tindall.kelly@epa.gov>
Cc: 'Bryan Young' <BryanYoung@purdue.edu>
Subject: RE: Any Update on Dicamba Resistance in Waterhemp or Other Weeds

Another question for you guys- What is the "error rate" for misidentifying dicamba injury? Let's say you go out to a field with alleged dicamba injury and it actually turns out its 2,4-D or another herbicide?

Thanks, Lee

P.s. Bob- I agree with the points you made in your "open letter" yesterday: https://crops.extension.iastate.edu/blog/bob-hartzler/open-letter-epa

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From: Bradley, Kevin [mailto:bradleyke@missouri.edu]
Sent: Friday, August 28, 2020 9:34 AM
To: Chism, William; lee.vanwychen@wssa.net; hartzler@iastate.edu; hager@illinois.edu; wgj@purdue.edu; Tindall, Kelly
Cc: Bryan Young
Subject: Re: Any Update on Dicamba Resistance in Waterhemp or Other Weeds

Bill, the United Soybean Board has funded a project for the past two seasons that involves us screening waterhemp populations from several states. This is just an initial screen to determine the likelihood of resistance in a given population and so we are only using ½ and 1X rates of dicamba on small, 3-4 inch waterhemp plants. We have had a lot of populations to screen the past two seasons and so we haven't yet been able to take the most suspicious populations and subject them further to a true dose-response to determine resistance. Some preliminary results of our screenings are shown in the attached slides. Although no one I know of has come out with an "official" dicamba-resistant waterhemp population yet, I receive a number of calls each year about not being able to effectively control waterhemp with dicamba already after just 2 or 3 seasons. Obviously there could be many reasons for these failures but based on these calls/visits/etc. coupled with the results we are already seeing from our screening in the attached slides, I'm pretty sure there are already dicamba-resistant waterhemp populations out there, we just haven't confirmed them yet.

Kevin Bradley

From: "Chism, William" <Chism.Bill@epa.gov>
Date: Friday, August 28, 2020 at 8:06 AM
To: Lee VanWychen <lee.vanwychen@wssa.net>, Bob Hartzler <hartzler@iastate.edu>, "hager@illinois.edu" <hager@illinois.edu>, Bill Johnson <wgj@purdue.edu>, "Bradley, Kevin" <bradleyke@missouri.edu>, "Tindall,

Kelly" <tindall.kelly@epa.gov>
Subject: Any Update on Dicamba Resistance in Waterhemp or Other Weeds

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Hello Gentlemen

The Office of Pesticide Programs is working on the registration of over-the-top dicamba for cotton and soybeans. We have found some new reports of dicamba resistance in Palmer amaranth but very little discussion of waterhemp. In 2019 there was a short description of dicamba-resistant waterhemp in the Progressive Farmer (below). Is there anything you can share about dicamba-resistant waterhemp? Are there any other weed species that you are aware of where dicamba is showing signs of potential resistance?

Thank you. Bill Chism

https://www.dtnpf.com/agriculture/web/ag/crops/article/2019/08/30/possible-dicamba-resistance-cropping

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