

Agricultural Innovation Board Meeting

October 16, 2023 1pm-2:58pm

Transcript Text

0:0:0.0 --> 0:0:0.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

All right.

0:0:1.160 --> 0:0:2.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Hi, good afternoon.

0:0:2.440 --> 0:0:4.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's 1:00 o'clock.

0:0:4.380 --> 0:0:23.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This is meeting for the Agricultural Innovation Board, so as a reminder, this meeting is being recorded as public record and that participation in a recorded meeting will be deemed as consent to be recorded, including statements both written and oral public records, including this recording, can be requested at anytime in accordance with the Vermont Public Records Act.

0:0:25.540 --> 0:0:26.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Welcome everybody.

0:0:29.550 --> 0:0:30.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank our first.

0:0:35.110 --> 0:0:45.240

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Again, item is just to go around with our introductions and I'm going to start in the room here with board members.

0:0:45.350 --> 0:0:49.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So Anne, go right ahead and his you VM extension.

0:0:51.660 --> 0:0:53.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, Steve Darnell, director of armed division.

0:0:55.390 --> 0:1:0.460

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'm Morgan Griffith working in the farm division for agency that agriculture.

0:1:2.990 --> 0:1:3.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Check it.

0:1:4.210 --> 0:1:6.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Let's do the other Members first, but see who I see.

0:1:7.0 --> 0:1:7.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:1:8.500 --> 0:1:8.770

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh.

0:1:8.780 --> 0:1:10.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Amanda, can you hear it yet?

0:1:10.980 --> 0:1:12.10

Amanda St.Pierre

Yep, you hear me?

0:1:12.670 --> 0:1:12.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep.

0:1:13.820 --> 0:1:16.920

Amanda St.Pierre

Hi, Amanda Saint Pierre, Dairy farmer, Berkshire, Vt.

0:1:21.390 --> 0:1:21.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sarah.

0:1:25.320 --> 0:1:28.510

Owen, Sarah

Hi, Sarah Owens, state toxicologist with the health department.

0:1:31.260 --> 0:1:31.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thanks.

0:1:32.280 --> 0:1:32.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Roy.

0:1:36.890 --> 0:1:38.400

Roy Beckford

Right backford you VM extension.

0:1:41.370 --> 0:1:41.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thanks.

0:1:41.280 --> 0:1:42.120

Roy Beckford

Good to see you, Hun.

0:1:47.180 --> 0:1:47.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:1:50.510 --> 0:1:51.150

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Go ahead, Ryan.

0:1:52.930 --> 0:1:54.930

Ryan Rebozo

Ryan Rebozo Vermont Center for Eco studies.

0:1:57.670 --> 0:1:58.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thanks, Erin.

0:1:58.190 --> 0:1:59.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And Wendy sue.

0:2:0.350 --> 0:2:9.360

Wendy Sue Harper (Guest)

Wendy Sue Harper saw scientist representing the soil biology position, and it looks like my Internet unstable.

0:2:9.370 --> 0:2:10.640

Wendy Sue Harper (Guest)

So I'm going to turn my camera off.

0:2:11.950 --> 0:2:13.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Alright, thanks.

0:2:14.50 --> 0:2:17.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Alright, so other participants in the room. Go ahead.

0:2:17.890 --> 0:2:18.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Brooke Decker.

0:2:18.630 --> 0:2:21.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Pollinator health specialist with the Vermont Agency of Agriculture.

0:2:23.860 --> 0:2:24.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Jill Shapiro.

0:2:24.640 --> 0:2:29.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

God, please see fertilizer specialist for the Vermont agency that agriculture.

0:2:33.850 --> 0:2:35.220

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, Steve cash.

0:2:40.70 --> 0:2:44.110

Cash, Steven

Yes, Steve, Cash agency of agriculture, water quality division.

0:2:48.170 --> 0:2:48.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Gene Harrington.

0:2:52.470 --> 0:2:54.750

Gene Harrington

Gene Harrington with biotechnology innovation organization.

0:2:55.750 --> 0:2:56.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The road she's.

0:3:0.790 --> 0:3:1.70

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Great.

0:3:1.80 --> 0:3:1.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thanks, Sean.

0:3:1.650 --> 0:3:4.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Laura, you just wanted to do a quick introduction.

0:3:5.320 --> 0:3:5.650

DiPietro, Laura
Yeah.

0:3:5.660 --> 0:3:8.610

DiPietro, Laura
Hi Laura Depietro agency, AVAG Water quality division.

0:3:11.360 --> 0:3:11.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thanks Laura.

0:3:13.120 --> 0:3:13.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Umm.

0:3:15.380 --> 0:3:15.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Jonathan what?

0:3:19.160 --> 0:3:21.650

Jonathan Wolff
Jonathan Wolff with a primer piper Egleson.

0:3:21.660 --> 0:3:23.570

Jonathan Wolff
Kramer, on behalf of Bio and Croplife America.

0:3:28.980 --> 0:3:30.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thanks, Abby.

0:3:32.560 --> 0:3:32.950

Pajak, Abbi
Yeah.

0:3:32.960 --> 0:3:35.850

Pajak, Abbi
Hi, Abby Pajak sitting in for DC.

0:3:40.840 --> 0:3:41.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Stephanie.

0:3:45.50 --> 0:3:47.580

Smith, Stephanie
Stephanie Smith with the Vermont Agency of Agriculture.

0:3:50.530 --> 0:3:51.660
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thanks Jeff and Matt.

0:3:54.180 --> 0:3:55.710
Wood, Matthew
Yeah, Matt wood here.

0:3:55.780 --> 0:3:59.390
Wood, Matthew
Field agent with the farm division at the Agency of Agriculture.

0:4:4.540 --> 0:4:6.230
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thank you all.

0:4:6.240 --> 0:4:8.920
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I think that looks like all of our participants right now.

0:4:12.880 --> 0:4:14.680
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
And store.

0:4:18.160 --> 0:4:39.640
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Next thing we did have a a minute edit, so one quote was made slightly more accurate for concerning Sarah Owens response to a question about talk and then also looking into the human health risk assessment of the middle school bread.

0:4:39.690 --> 0:4:42.140
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So those meeting minutes have been changed.

0:4:42.150 --> 0:5:1.280
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
As of this morning and they're uploaded, the new version is on online and also on our SharePoint team sites, but it has come to our attention that it did break a link that is in the key takeaway document that I provided to you guys last week.

0:5:1.730 --> 0:5:9.300
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So the meeting minutes for Heather Darby presentation, that link is broken right now in the key takeaways document.

0:5:9.990 --> 0:5:14.580
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Umm, but you can still access the meeting minutes for the September meeting online.

0:5:15.370 --> 0:5:27.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Just I'll resend out that document to the Members when I send out the minutes for this meeting today so that you have that for your records.

0:5:27.600 --> 0:5:29.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If you don't wanna pull it down from SharePoint.

0:5:31.680 --> 0:5:33.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And but does anybody else have any other?

0:5:35.410 --> 0:5:35.980

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:5:35.990 --> 0:5:40.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Suggested edits to the meeting minutes from September 25th.

0:5:46.940 --> 0:5:47.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Great.

0:5:48.260 --> 0:6:12.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So then today's agenda is it's listed as two separate items as far as kind of going through all the like the basically the key takeaways from the information we've heard so far that's relevant to those key topics 8 through G and then we and then it's listed then AIB discussion.

0:6:12.970 --> 0:6:25.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think what we're aiming to do is have a discussion after each topic, so it doesn't, so it can be more of a top of mind type of a conversation instead of waiting till we're through all of the topics to discuss.

0:6:25.380 --> 0:6:29.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it will be key takeaways for topic and then discussion.

0:6:29.320 --> 0:6:35.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it's, umm, the agenda is a little bit different than what we aim to do today.

0:6:38.310 --> 0:6:41.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think Josh, you could share that key takeaways.

0:6:44.900 --> 0:6:46.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think I like to say something.

0:6:46.100 --> 0:6:46.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah. Go ahead.

0:6:46.890 --> 0:6:48.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I just wanna sort of start off by.

0:6:51.20 --> 0:6:55.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sort of laying out where we're at in the process and and where I think we're heading or where we ought to be headed.

0:6:55.940 --> 0:7:6.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're we're ultimately it's going to present the opinions of the board on their recommended BMP's to Secretary Tebbetts.

0:7:9.0 --> 0:7:20.270

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is that what we're supposed to do and the the legislative charge and the the idea with this process today is to sort of recap everything we've heard so far.

0:7:20.280 --> 0:7:23.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Get board members to speak on what you think about it.

0:7:23.660 --> 0:7:29.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We have to start getting opinions now because that's what we're going to be presenting to the to the Secretary.

0:7:29.880 --> 0:7:49.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're really going to try to get people to speak up, you know, regarding what these what we think are the the key takeaways and this is what you know, we think the folks here at the agency that looked at this and I thought of it, but we want to hear what other people think too, are we we need to hear what other people think.

0:7:49.850 --> 0:7:51.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then if you have any.

0:7:53.590 --> 0:7:59.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If the if the information and the and the sort of the takeaway triggers.

0:7:59.130 --> 0:8:3.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Any thoughts about what PMP should be?

0:8:3.260 --> 0:8:7.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's what we need to start collecting, or we need to start memorizing.

0:8:7.940 --> 0:8:14.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, writing that down, we need to know what you think about in terms of recommended best management practices.

0:8:14.960 --> 0:8:28.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And like we just established many months ago, we're not going to vote necessarily on or we're not going to vote on, you know, what recommendations are, we're just going, we're going to capture the opinions.

0:8:28.980 --> 0:8:30.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If there are opinions that appear to be.

0:8:31.770 --> 0:8:42.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The reaching consensus will certainly reflect that in the in the information we give the secretary, but we really want to try to have discussion at this point and get opinions.

0:8:42.890 --> 0:8:52.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that's sort of going to be the what we're aiming for and if we don't get through everything today, we we'll, you know, we'll do it the next week.

0:8:52.460 --> 0:9:2.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're gonna try to get as far as we can today, but we do wanna have discussion and you know, we'll be calling on board members to, you know, reflect on what we're hearing.

0:9:2.690 --> 0:9:4.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So, so be prepared.

0:9:8.720 --> 0:9:9.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh and one more thing.

0:9:9.960 --> 0:9:11.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the other thing too is.

0:9:11.340 --> 0:9:13.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're now we have this meeting today.

0:9:13.40 --> 0:9:29.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We have a meeting scheduled for November 13th and we were talking about having me on December 4th, but after thinking about it, we'd like to reschedule that for I guess we already have rescheduled for December 11th to give us more time internally to write up a report for the board to look at.

0:9:30.510 --> 0:9:33.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that's the rationale for that with the holiday in it.

0:9:35.470 --> 0:9:42.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So before we get started, do do any of the board members have any questions or thoughts about what we're doing and how we're doing it?

0:9:49.900 --> 0:9:50.220

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:9:52.90 --> 0:9:54.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Let's get started, alright.

0:9:56.850 --> 0:10:10.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the first the first topics, the first topic A is is 1000 of threshold levels of test pressure required prior to use of neonicotinoid treated article scenes. So.

0:10:12.180 --> 0:10:13.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Because E.

0:10:13.760 --> 0:10:21.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it's having E is surveillance and monitoring techniques for infield press pressure, and that's pretty much we learned those two things at the same time.

0:10:21.320 --> 0:10:32.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it was really gonna be redundant and if I separated out the key takeaways for either of those, so A&E got lumped together kind of just in the 5:00 PM scouting.

0:10:34.30 --> 0:10:34.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:10:35.90 --> 0:10:37.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Threshold value discussion of what we learned.

0:10:38.500 --> 0:10:40.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So who we learned from?

0:10:42.960 --> 0:10:51.700

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Relevant to this is that's Darby Aviam Elton Shields at Cornell, and Doctor took her from state.

0:10:53.320 --> 0:10:55.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And Jonathan has joined us.

0:10:55.490 --> 0:10:58.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep, Jonathan books logged in. Welcome.

0:11:5.340 --> 0:11:20.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so first main kind of theme that we heard for scouting for these pests are and relevant to Munich food seeds.

0:11:20.200 --> 0:11:35.900

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is that seed purchasing occurs months ahead of the season, so right now for next year, so September through November prior to then planting in April, May, June in the next year.

0:11:36.660 --> 0:11:44.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So scouting the fields in the current year cannot influence what types of seeds to purchase and plant off of the previous year's best.

0:11:44.770 --> 0:11:48.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Pressure levels are not a clear indicator of what will be in the current year.

0:11:51.140 --> 0:11:51.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh.

0:11:52.300 --> 0:12:10.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Themes that we heard that few methods are available for scouting for corn seed maggot and there are no economic thresholds established for that particular pest which we heard is one of the key pests that umm, it's targeted with Munich treated seeds in the state of Vermont.

0:12:13.210 --> 0:12:18.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard about the challenges for monitoring for the soil pest I.

0:12:20.810 --> 0:12:30.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Trying to do it in the time prior to planting in Vermont is hard to have that all happen in a very narrow window of time.

0:12:32.310 --> 0:12:59.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So something that we didn't learn that is possible is that monitoring, growing degree day to figure out when quarantined may FY when that peak flight is, determine when those fly generations are out and you can try and you have an option to time your planting between those fly generations to try and reduce the risk of the injury to your seeds.

0:13:3.340 --> 0:13:4.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we did here.

0:13:4.900 --> 0:13:8.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, that the first generation of those five causes, the most significant damage.

0:13:9.0 --> 0:13:16.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if you monitor when that is going to be based on basically the weather and temperature.

0:13:18.580 --> 0:13:20.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You might be able to plant around and reduce your risk.

0:13:22.300 --> 0:13:25.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We also heard corn seed maggot is unpredictable.

0:13:25.940 --> 0:13:35.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it can appear before or after planting, and that corn, once it's planted, is vulnerable to corn seed maggot injury.

0:13:37.150 --> 0:13:47.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

From that window of 7 to 30 days after you put it in the ground and there isn't an insecticide rescue treatment for corn seed maggot.

0:13:51.350 --> 0:13:54.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Another Keepass we heard about in Vermont is wireworm.

0:13:55.340 --> 0:14:9.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There are some scouting and established economic thresholds for wire worm here, and ideally the scouting can be done in the fall when temperatures are still above 45 degrees.

0:14:11.820 --> 0:14:13.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And this last bullet?

0:14:13.480 --> 0:14:16.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, we snuck in here.

0:14:17.20 --> 0:14:28.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Didn't really know where to where it went, but we heard just last month from Heather about how using GMO trait.

0:14:31.60 --> 0:14:48.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

A has successfully reduced the overall population of cornflour, so it's well documented in literature that because even if you didn't use the traits because so many people did use the trait, the entire population has decreased.

0:14:49.460 --> 0:14:58.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it means that other farms benefited, but we it this was in that conversation of whether of like the Halo effect of neonics treated seed.

0:14:58.920 --> 0:15:11.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it's kind of like we don't, we don't have the literature to say the Halo effect for treated seeds right now, but is literature for this phenomenon like basically the effect of having this GMO tree against corn board.

0:15:12.360 --> 0:15:15.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I just put that in there because it was a kind of a key takeaway I think.

0:15:15.220 --> 0:15:20.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But so I think I wanna put it to board members of 1.

0:15:20.140 --> 0:15:25.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Did we miss anything that you remember hearing relevant to these UH-2 topics?

0:15:25.410 --> 0:15:40.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then to kind of what do you think, what do you, yeah, what are your thoughts on the first question is, is there anything that So what we did is we pulled out the presentations that pertained to those two points that the board was to consider.

0:15:40.490 --> 0:15:45.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the first question, is there anything a relative to those two points?

0:15:45.90 --> 0:15:50.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is there anything that we missed here in this recap that'll be the first question.

0:15:55.430 --> 0:15:55.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They're good.

0:15:56.50 --> 0:15:59.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I thought it captured it OK but.

0:16:1.520 --> 0:16:3.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Anybody else any Jonathan would like?

0:16:3.980 --> 0:16:4.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We got it.

0:16:4.920 --> 0:16:24.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean cause you know this is sort of obviously I wasn't here when this was being discussed by, you know, at the time when this was being put together by the legislature, but they wanted the board to consider whether or not there was a, you know, economic threshold or away for farmers to scout their fields for these pests.

0:16:25.460 --> 0:16:27.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And I'll just speak for myself.

0:16:29.150 --> 0:16:33.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It for what we've heard, it doesn't appear that there's a simple answer to that.

0:16:33.430 --> 0:16:34.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's that.

0:16:34.30 --> 0:16:36.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's not a an economic threshold we can establish.

0:16:37.410 --> 0:17:0.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's not a recommended scouting process that we could recommend to growers to go out there to decide if they need to use neonicotinoid trees, so that's that's the conclusion I got from from what we heard and that even if you do scout me, monitor it made not really influence what what happens the next season, you know, that's it, yeah.

0:17:0.70 --> 0:17:1.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Looking for something in the fall?

0:17:1.410 --> 0:17:1.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It may not.

0:17:3.280 --> 0:17:4.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, it's tricky.

0:17:4.120 --> 0:17:5.800

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This whole this one isn't.

0:17:7.500 --> 0:17:8.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, right.

0:17:9.310 --> 0:17:11.460

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So, Jonathan, want anything you want to add to that?

0:17:12.210 --> 0:17:14.800

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

No, I mean that's that's basically what I see.

0:17:14.810 --> 0:17:31.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, prior to the Neo Nic treated seeds it was very hit or miss where you had replant due to a lot of those insects you know I mean they tell you it's certain percentage is better on sod fields.

0:17:31.630 --> 0:17:36.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, you know, we've had sod fields get whacked in the field next to it that wasn't thought get whacked.

0:17:37.440 --> 0:17:38.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I don't know.

0:17:38.960 --> 0:17:47.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Just yeah, you know, replant is not a major issue anymore when we utilize this technology.

0:17:48.540 --> 0:17:49.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:17:49.260 --> 0:17:55.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So, Wendy, what are you thoughts about this stop?

0:17:56.10 --> 0:18:10.960

Wendy Sue Harper (Guest)

Umm, I think it does capture the the conversation, but I we might add a little more about, you know IPAM is not supposed to be used prophylactically but.

0:18:13.450 --> 0:18:18.210

Wendy Sue Harper (Guest)

There's it doesn't appear to me a way to deal with this past using I PM.

0:18:20.840 --> 0:18:21.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:18:22.790 --> 0:18:23.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh.

0:18:22.90 --> 0:18:25.30

Wendy Sue Harper (Guest)

That's that's the only other things or something to that effect.

0:18:25.40 --> 0:18:26.980

Wendy Sue Harper (Guest)

And Ian could probably speak more about that.

0:18:28.550 --> 0:18:29.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I think that's what we're saying.

0:18:30.20 --> 0:18:31.520
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, that you know, you can't.

0:18:31.870 --> 0:18:33.40
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
You can't tell a grower.

0:18:33.50 --> 0:18:35.540
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Well, go out and scout your field and then decide.

0:18:35.590 --> 0:18:40.580
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I just the tools aren't there for this particular situation, Roy.

0:18:45.160 --> 0:18:46.50
DiPietro, Laura
Did you say Laura?

0:18:47.170 --> 0:18:48.170
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I've said, Roy. But.

0:18:46.60 --> 0:18:49.120
DiPietro, Laura
Sorry arrived, please arrive OK.

0:18:50.280 --> 0:18:50.610
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I'll.

0:18:50.680 --> 0:18:51.940
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I'll enunciate more clearly.

0:18:55.530 --> 0:18:56.510
Roy Beckford
Sorry, not me something.

0:18:58.160 --> 0:18:58.390
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

0:18:58.400 --> 0:18:59.320
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
We're we're just doing it.

0:19:4.580 --> 0:19:5.180

Roy Beckford

Oh, OK.

0:18:59.330 --> 0:19:6.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We're we're testing or for opinion on this particular conclusion that we seem to be reaching about I PM on.

0:19:8.390 --> 0:19:9.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

On the on these.

0:19:7.470 --> 0:19:11.400

Roy Beckford

Umm yeah, I've been listening right in.

0:19:11.450 --> 0:19:12.620

Roy Beckford

No notes down.

0:19:12.630 --> 0:19:18.740

Roy Beckford

I do agree with that and come and and others are assessment, so I'm in agreement.

0:19:20.310 --> 0:19:23.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, Laura, but thanks Roy.

0:19:25.350 --> 0:19:25.660

DiPietro, Laura

Yeah.

0:19:25.670 --> 0:19:30.510

DiPietro, Laura

I just wasn't sure if you wanna add into this because you know these are the about the scouting aspects of it.

0:19:30.520 --> 0:19:34.800

DiPietro, Laura

But you know, one of the things that Heather or someone said I don't recall, I apologize.

0:19:34.810 --> 0:19:44.720

DiPietro, Laura

But it was just that, you know, they like heavily manured and heavily cover cropped organic fields, which is, you know what we've been trying to push is building soil organic matter.

0:19:44.730 --> 0:19:53.460

DiPietro, Laura

And so, you know, this idea of BMPS and conservation practices and whether there is sort of a challenge in that space that needs to be addressed.

0:19:53.520 --> 0:19:56.460

DiPietro, Laura

I don't know if this is the right space to put it in the takeaway space.

0:19:57.790 --> 0:19:59.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think it would be that is relevant.

0:20:0.460 --> 0:20:1.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I think we do.

0:20:1.730 --> 0:20:3.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We might say it later down of what?

0:20:3.540 --> 0:20:13.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That that preference it I think I put it under a different topic, but I do get the I'm not sure that it calls out Laura.

0:20:13.390 --> 0:20:16.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, you're saying about, but this is a a recommended process.

0:20:16.830 --> 0:20:21.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, I didn't make that connection right, but there is definitely a relationship between the two.

0:20:22.500 --> 0:20:22.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:20:23.0 --> 0:20:24.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Anything else, Laura, on that?

0:20:25.730 --> 0:20:27.880

DiPietro, Laura

I guess just personal personal.

0:20:28.190 --> 0:20:28.540

DiPietro, Laura

I just.

0:20:28.550 --> 0:20:32.630

DiPietro, Laura

Install a little challenge to understand whether the pest pressure alone.

0:20:32.640 --> 0:20:42.440

DiPietro, Laura

You know, it's hard to know because it the the seeds have been here, whether the pest pressure alone is as great this far north as it is, you know in more southern regions.

0:20:42.450 --> 0:20:51.450

DiPietro, Laura

So I just still don't really know that we have a good understanding of the pest pressure in general, but I don't know if there's a historical data or anything to go back to because this hasn't been here forever.

0:20:54.380 --> 0:20:56.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's a question we can ask together.

0:20:57.140 --> 0:20:59.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, that's how we can follow up on our Ryan.

0:20:59.760 --> 0:21:0.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You had your hand up.

0:21:2.10 --> 0:21:7.540

Ryan Rebozo

Yeah, I I agree with the the assessment on on the limitations of scouting that's been shared.

0:21:7.810 --> 0:21:18.620

Ryan Rebozo

I guess the one question I was left and I can't remember if this was brought up in the passes since there is a way to scout for wire worms in the fall prior to see purchase.

0:21:18.630 --> 0:21:19.980

Ryan Rebozo

I wonder does that influence?

0:21:21.930 --> 0:21:30.440

Ryan Rebozo

People's planning for the following growing season or not, I mean, it seems like that's that's the one example where we do have an established threshold and a protocol for monitoring.

0:21:30.450 --> 0:21:33.0

Ryan Rebozo

But I'm not sure if that actually drives decision making.

0:21:34.760 --> 0:21:36.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

My buddy have a sense for that.

0:21:38.90 --> 0:21:38.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I don't think it does.

0:21:38.930 --> 0:21:44.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, I don't think that's a regular practice that growers are going out there and doing that, are they?

0:21:46.350 --> 0:21:47.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sampling height.

0:21:47.130 --> 0:21:53.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Not that I know Erica was just always trying to get that going, but it never really took off.

0:21:55.440 --> 0:21:55.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:21:55.850 --> 0:21:57.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Amanda, you wanna weigh in?

0:22:2.230 --> 0:22:5.280

Amanda St.Pierre

Just trying to run my computer here seems to be a challenge.

0:22:5.290 --> 0:22:9.170

Amanda St.Pierre

Umm yeah, I agree with several of the points made I think.

0:22:12.360 --> 0:22:14.550

Amanda St.Pierre

We're all farmers.

0:22:14.560 --> 0:22:16.210

Amanda St.Pierre

I'll speak from the farmer perspective.

0:22:16.220 --> 0:22:20.690

Amanda St.Pierre

We're all very vulnerable to weather and what we can get done.

0:22:20.700 --> 0:22:23.490

Amanda St.Pierre

What we can't get done is very weather dependent.

0:22:23.540 --> 0:22:26.80

Amanda St.Pierre

So when it comes to scouting, when it comes to.

0:22:27.390 --> 0:22:36.950

Amanda St.Pierre

Ohh planting and you know planting at the right period to avoid the increased liability of pest problems.

0:22:38.330 --> 0:22:51.600

Amanda St.Pierre

Sometimes the best plans go out the window and we've it's range for 45 days and this is our window of opportunity to get as many acres in at a time and it may not be the most optimal time to do it.

0:22:51.610 --> 0:23:25.210

Amanda St.Pierre

So I guess I just wanna kind of support the earlier comments that you know it's it's very unpredictable and I'm not sure like we have enough information, umm historically, but even going forward because our weather patterns are so different than they were five years ago to really understand umm what's happening in the field and to be able to base a BMP on that only on that element.

0:23:28.480 --> 0:23:43.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If yeah, I guess my take is yeah, we can't really come up with a BMP on on this on the monitoring because it's kind of all over and it it's not practical and it doesn't necessarily mean anything, but it's what we can come up with.

0:23:43.610 --> 0:23:49.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think is you know the practices to mitigate those tests.

0:23:50.130 --> 0:24:0.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, like avoiding too much manure or, you know, realizing that if you're turning over a new sod crop or something, you might have more wire worm or.

0:24:2.390 --> 0:24:8.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But I think we could come up with a guidance for trying to minimize.

0:24:11.120 --> 0:24:11.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:24:11.530 --> 0:24:11.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:24:11.900 --> 0:24:14.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, that's exactly the kind of discussion we'll have, Sarah.

0:24:17.740 --> 0:24:32.270

Owen, Sarah

Yeah, I I don't have anything to add in terms of the content, but similar to what was just offered, I think you know maybe the expectation going into this particular section was that scouting could be used and that could be a BMP.

0:24:32.420 --> 0:24:40.830

Owen, Sarah

But I think all the work that's been put in and that the conclusions we've made about the limits, I think that can also be turned into a BMP.

0:24:40.840 --> 0:24:49.420

Owen, Sarah

So the BMP may be, you know, scouting itself isn't enough to determine whether or not you use umm the seeds.

0:24:49.430 --> 0:24:58.430

Owen, Sarah

So so I think I think I'm just saying like find a way to instead of just saying there's no BMP regarding scouting to take the information that has been produced here.

0:24:58.430 --> 0:25:4.500

Owen, Sarah

But I do think it could be really, really valuable and include that in some way in the recommendations.

0:25:5.560 --> 0:25:6.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, that's great.

0:25:6.620 --> 0:25:14.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And and actually that brings up a good point to keep in mind is that all this is gonna get rendered into a report.

0:25:15.250 --> 0:25:20.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we need to make sure if there are any points that are brought up, you know that are pertinent to this.

0:25:20.250 --> 0:25:26.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Just like that need to be put in that report, so make you know when you read the report, make sure you you get a chance.

0:25:26.650 --> 0:25:30.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, you comment on that if we don't basically.

0:25:30.910 --> 0:25:34.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So keep us honest, when you read the report.

0:25:35.770 --> 0:25:41.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so I think that that was I think I don't know there's more to say on that particular topic.

0:25:41.590 --> 0:25:45.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think everyone pretty much came to the same conclusion about the.

0:25:47.940 --> 0:25:55.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Addressing those two points at the legislature brought up, and I think we're ready to move on to the next one.

0:25:55.540 --> 0:26:1.150

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And once somebody has something else they wanna sad that we can always go back.

0:26:1.160 --> 0:26:4.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If you think of something so the second topic, go ahead.

0:26:6.160 --> 0:26:6.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sure.

0:26:6.520 --> 0:26:12.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So B is is availability of non treated article fees that are not immune.

0:26:12.870 --> 0:26:14.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Nicotinamide treated article fees.

0:26:16.360 --> 0:26:21.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we heard a few meetings about our.

0:26:23.620 --> 0:26:27.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Internal additive egg seed reporting.

0:26:27.620 --> 0:26:37.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we have a few links to the what we learned from what reports we got from dealers and distributors of seed and Vermont we also.

0:26:39.60 --> 0:26:44.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Heard from Heather Darby on that was relevant to this subject and also to.

0:26:47.10 --> 0:26:52.900

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

From a representative from Corteva Agriscience and also Tracy Bowdy.

0:26:52.910 --> 0:27:0.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Kind of touched on the availability of umm non treated article feeds and alternatives to Munich trees.

0:27:0.620 --> 0:27:12.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Seeds so kind of key takeaway I tried to put the first one kind of is the the biggest one, limited availability of untreated corn seed and there's.

0:27:15.400 --> 0:27:21.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Even so, of what is available untreated, it's limited in varieties and maturities that are offered.

0:27:23.920 --> 0:27:29.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Untreated seed orders adds complexity.

0:27:29.90 --> 0:27:42.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard this from the seed industry to the seed demand planning and also then so then the orders for the untreated seed must be made even earlier than your normal seed, which we just learned is early already.

0:27:43.760 --> 0:27:47.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the reason why it adds complexity so.

0:27:50.760 --> 0:27:51.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Farmers.

0:27:51.520 --> 0:27:59.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this is more times than not, farmers are looking to switch maturities or hybrids depending on how the growing season is, when it's getting closer to the planting time.

0:28:0.0 --> 0:28:6.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that flexibility isn't available for the untreated seeds because of that limited varieties and maturities that are offered.

0:28:9.200 --> 0:28:12.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this kind of just adds to that.

0:28:12.370 --> 0:28:29.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So adding fungicide only or a non new next treated seed option would create exponential complexity for the seed industry because they're dealing with this multi step multi year process in their kind of demand planning for what's available to Vermont growers.

0:28:32.410 --> 0:28:53.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, we heard that it's limiting the speed options for Vermont farmers would put them at a disadvantage in terms of having that flexibility for a seed performance speed choices because things can be pulled from other parts of the country as it gets closer to growing to the growing season and planting time.

0:28:57.670 --> 0:29:6.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Switching to corn slave bean seeds so untreated soybean seed was slightly more common and it had higher sales in Vermont.

0:29:7.30 --> 0:29:11.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But so we also wanted that soybean is more likely to be treated downstream.

0:29:11.190 --> 0:29:13.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So corn seed is planted.

0:29:14.300 --> 0:29:15.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, let.

0:29:15.880 --> 0:29:16.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I don't know.

0:29:16.380 --> 0:29:17.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Manufacturer is not the right word.

0:29:18.630 --> 0:29:19.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Upstream, upstream.

0:29:19.960 --> 0:29:21.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, chance effect.

0:29:23.210 --> 0:29:24.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
But so I mean is here.

0:29:24.670 --> 0:29:25.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So like Jonathan Chamberlain here.

0:29:25.880 --> 0:29:28.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So he is a certified he can treat.

0:29:28.110 --> 0:29:28.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Soybean.

0:29:30.640 --> 0:29:31.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Here in Vermont.

0:29:33.920 --> 0:29:41.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So we've heard from Heather Darby, uh, planting a seed without insecticide treatment is considered a liability.

0:29:43.660 --> 0:29:44.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I went.

0:29:46.90 --> 0:30:5.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Down this I wanted to get more to support this this sentence we've heard, but we didn't have much to go with it, so I called a few insurance agents this past week trying to get a little more information on this and I still have calls out to a few more so I can still add to this.

0:30:5.770 --> 0:30:15.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But what I did learn was just crop insurance premiums would increase because of increase in perceived risk to the crop.

0:30:15.470 --> 0:30:24.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Without that, neonics treatment on the seas is what I heard from an insurance agent that works with Vermont growers here.

0:30:28.850 --> 0:30:35.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This was kind of fungicide only treated these are virtually impossible to purchase that direct quote from Doctor Heather Darby.

0:30:37.250 --> 0:30:39.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, there's no price savings for untreated seeds.

0:30:40.670 --> 0:30:42.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then these are some of the alternatives.

0:30:42.740 --> 0:30:54.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So these are from Tracy Valdes presentation when she was talking about kind of what what was happening in Ontario and Quebec based on their regulations.

0:30:55.240 --> 0:31:3.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So diamide, which isn't new next joint alternative tree seeds are available and commonly it's slash exclusively used in Canada.

0:31:6.410 --> 0:31:11.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

As a result of regulations that were imposed in Quebec and Ontario.

0:31:12.820 --> 0:31:16.350

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So dimitre entities are more expensive than you and extremities.

0:31:17.380 --> 0:31:23.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard that there relative toxicity to bees is less than Munich.

0:31:24.320 --> 0:31:29.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Neonicotinoid talked to CVS, but the toxicity to aquatic invertebrates is similar.

0:31:30.140 --> 0:31:40.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then these two are just examples of diamines and when they were registered and this last alternative that Tracy Body talked about.

0:31:42.690 --> 0:31:43.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So negra.

0:31:43.720 --> 0:31:44.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Maybe.

0:31:44.240 --> 0:31:45.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'm not sure how to say it.

0:31:47.190 --> 0:31:56.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is a a different type of diamide and it is available as an infero treatment.

0:31:58.720 --> 0:32:9.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So not on the seeds and, but the point was made that the majority of planters used now don't have the capability to make this type of applications.

0:32:9.900 --> 0:32:19.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Since the introduction of treated seed, but OK, so let's so first of all, did we miss anything?

0:32:21.460 --> 0:32:29.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Are there any reports or studies but the board was aware of that we didn't capture in this list?

0:32:35.270 --> 0:32:36.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:32:36.170 --> 0:32:41.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then, you know, are these takeaways reasonable?

0:32:41.130 --> 0:32:47.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Or there are other ones that the board members have made or are thinking Ant?

0:32:47.90 --> 0:32:57.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, my one of my questions was, OK, what if if New York and Ontario ban, the treated seed, are they talking about?

0:32:58.20 --> 0:33:0.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh, Ontario, Ontario.

0:33:1.310 --> 0:33:1.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:33:2.350 --> 0:33:2.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Didn't ban.

0:33:2.920 --> 0:33:15.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They made it hard to use it and so but it it sounds like what we heard is that they did switch to diamide OK and non New York is where are they in the New York has, but they passed a bill.

0:33:16.70 --> 0:33:16.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:33:16.950 --> 0:33:19.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, it's either governor's desk.

0:33:19.120 --> 0:33:24.240

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The governor has until the end of the year to sign it or send it back or do whatever she does with it.

0:33:25.610 --> 0:33:36.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There is a provision, one of the main provisions of that build, though, is that if non neonicotinoid treated seeds are not available then they can still use the other.

0:33:36.600 --> 0:33:38.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, alright.

0:33:38.100 --> 0:33:38.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:33:38.800 --> 0:33:43.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, because my question was, is it would it change our?

0:33:45.700 --> 0:33:50.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Scenario if yeah, I was thinking that New York was like going towards.

0:33:50.800 --> 0:33:52.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think that's I think that's unknown.

0:33:52.920 --> 0:33:53.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah. OK.

0:33:53.840 --> 0:33:54.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think that's alright.

0:34:0.190 --> 0:34:2.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, I'm gonna go and reverse order this time.

0:34:2.730 --> 0:34:3.350

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh Laura, go ahead.

0:34:5.340 --> 0:34:11.290

DiPietro, Laura

OK, I think there's just two things I'm just thinking about the legislature and the questions that they're gonna ask when this comes up.

0:34:11.950 --> 0:34:12.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:34:11.660 --> 0:34:14.310

DiPietro, Laura

And so, you know, you can't answer every question.

0:34:14.320 --> 0:34:19.640

DiPietro, Laura

Obviously that might come in this space, but I think there's two that just sort of stand out as red flags.

0:34:20.70 --> 0:34:27.460

DiPietro, Laura

Umm one is is, you know, there's this argument that farmers need to order way in advance and then.

0:34:27.790 --> 0:34:32.750

DiPietro, Laura

But yeah, they change the maturity date potentially last minute.

0:34:33.540 --> 0:34:37.210

DiPietro, Laura

And so those are sort of in conflict, you know, to say like wait.

0:34:37.220 --> 0:34:40.730

DiPietro, Laura

But if they have to order events, what happens to all that seed that they originally ordered?

0:34:40.740 --> 0:35:8.40

DiPietro, Laura

If they're changing it, and Jonathan, you could probably speak well to this, but I think you've got to be prepared to answer that question, whatever that answer is of what happens and why the seed last minute change and then the other one is that the insurance premiums, you know, just trying to understand that magnitude because that's the kind of impact that could have value that could be easily figured out that could be related to the legislature so that they understand what that means.

0:35:9.990 --> 0:35:24.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You're going to go ahead, so I guess my comment, I I'm along with Laura's lying that seed that then our producers can't utilize moves on the food chain to the next grower that can.

0:35:24.490 --> 0:35:36.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so the minute you have a difference in treatment than that, but yet that area, can you utilize what we can't utilize then that's undesirable seed for them.

0:35:36.570 --> 0:35:38.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it it's kind of a trickling effect.

0:35:38.310 --> 0:35:43.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then what comes here is typically what up north they couldn't use.

0:35:43.100 --> 0:35:50.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So you know, it's kind of whether it's the, I mean we've had to come from the Dakotas, you know, crossing the border is an issue.

0:35:50.390 --> 0:35:53.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know you can't just go up to Canada, grab there so you can bring it down.

0:35:53.820 --> 0:36:0.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's that's, that's a, uh, not very feasible, but typically it will come from the Dakotas.

0:36:0.530 --> 0:36:4.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They're sure that what was too long for them comes to us.

0:36:4.330 --> 0:36:10.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then what was too long for us may go to New York or somebody else who could still utilize that day length of seat.

0:36:10.970 --> 0:36:13.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that's typically how the chain works.

0:36:14.270 --> 0:36:27.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if if we're not the same as everybody else, that is kind of along the lines of what's I think it was sort of mentioned in here that puts us at a disadvantage if we're not similar to the rest of the country.

0:36:29.970 --> 0:36:31.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Does that get to the question you asked for?

0:36:33.160 --> 0:36:37.890

DiPietro, Laura

Yeah, I'm just trying to go through and think about what stands out as like seeming like it doesn't make sense.

0:36:37.900 --> 0:36:42.160

DiPietro, Laura

So I I think you just have to have a response to that of whatever it is.

0:36:44.110 --> 0:36:44.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:36:45.330 --> 0:36:47.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then the second question was about the insurance premiums.

0:36:51.690 --> 0:36:51.930

DiPietro, Laura

Yeah.

0:36:54.680 --> 0:36:57.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The yeah.

0:36:51.940 --> 0:36:58.440

DiPietro, Laura

Just whether like what that cost might be like an estimate on that, I feel like that should be something that you could call an insurance company.

0:36:59.460 --> 0:37:5.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I asked where I asked that question because I wanted a number to bring back here and I.

0:37:7.30 --> 0:37:14.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

One right now I so I still have two other people that I can try and ask this question before, but I got it depends.

0:37:14.510 --> 0:37:16.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's true I can't put a number to it.

0:37:16.930 --> 0:37:19.240

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, because it's too situational.

0:37:21.960 --> 0:37:23.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Dependent on the situation.

0:37:23.820 --> 0:37:56.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So, and they may not because it adds, since if it's just like your health insurance premiums, when you have or your automotive insurance, the when you start having major claims, they start covering their rear and the actual the actuary today may not know exactly what that is, but if you start having a lot of claims, it's no different than you know I start having if I have an accident next year when I go and renew my policy, I'm sure they remember their they're payout or whatever would be my take on it is it location based.

0:37:56.590 --> 0:38:6.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Also, like I don't know how they figure that in like what everybody be so different, like somebody who's like in river bottom, it's different than it's not flood insurance I guess.

0:38:6.430 --> 0:38:14.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But I think right now our premiums are pretty much from what my understanding, lower premiums are basically set kind of federally.

0:38:15.180 --> 0:38:22.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so, you know, it would, I would assume, would make us unique that we couldn't utilize that technology would be my guess.

0:38:22.590 --> 0:38:27.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I I'm not an actuary, but in my little mind, that's how I would see it.

0:38:27.650 --> 0:38:28.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But we're having a lot of claims.

0:38:28.970 --> 0:38:30.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, we're gonna have to do more data.

0:38:30.730 --> 0:38:30.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:38:30.980 --> 0:38:34.580

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I did get when I was I was asking about price and nice.

0:38:34.590 --> 0:38:37.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So price is based on history.

0:38:37.910 --> 0:38:47.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So like location history and yield average, so how how much they have been pulling off the field.

0:38:48.10 --> 0:38:48.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:38:48.770 --> 0:38:53.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it could be very specific even feel the field, right?

0:38:53.220 --> 0:38:54.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, that's what I'm thinking.

0:38:54.180 --> 0:38:54.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:38:54.880 --> 0:38:55.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:38:55.110 --> 0:38:56.700

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, we'll look into that more.

0:38:57.0 --> 0:39:0.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sarah, your thoughts about all this?

0:39:2.320 --> 0:39:5.910

Owen, Sarah

Yeah, I don't have, uh much to add on on this one.

0:39:5.920 --> 0:39:8.760

Owen, Sarah

In terms of anything that was left out or anything, I think it's comprehensive.

0:39:10.610 --> 0:39:12.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, Amanda.

0:39:18.200 --> 0:39:19.230

Amanda St.Pierre

Again, the computer.

0:39:19.240 --> 0:39:30.0

Amanda St.Pierre

UM, no, I think I think the list is pretty complete and I do agree on the complexity around the insurance piece of it.

0:39:30.580 --> 0:39:37.230

Amanda St.Pierre

Umm, there's not like one set quantitative number or percentage.

0:39:37.400 --> 0:39:44.400

Amanda St.Pierre

I think that we're gonna find that would capture that piece, but I do think it's an important piece to just keep in mind.

0:39:46.860 --> 0:39:53.30

Amanda St.Pierre

The insurance company is gonna support farmers in any losses of yield.

0:39:53.450 --> 0:39:58.10

Amanda St.Pierre

So that's and they don't wanna pay out, right?

0:39:58.20 --> 0:40:7.540

Amanda St.Pierre

So again, with what Jonathan said, the more claims you have that hurts your rating just like in any type of insurance we have.

0:40:7.830 --> 0:40:26.960

Amanda St.Pierre

But also if we went for for like a a drop of like 5 tons per acre or something and then the farmer wants to claim on that, that's gonna, you know, cause the premium to go up because we're ensuring that we're gonna have enough feed to feed our cows the next year.

0:40:27.30 --> 0:40:29.980

Amanda St.Pierre

And so it is a very hard number to come up with.

0:40:29.990 --> 0:40:33.770

Amanda St.Pierre

But I I think it has a very big importance in this conversation.

0:40:38.880 --> 0:40:39.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:40:41.160 --> 0:40:42.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm Ryan.

0:40:45.120 --> 0:40:45.400

Roy Beckford

Yeah.

0:40:44.900 --> 0:40:46.950

Ryan Rebozo

I think this reflects what we heard.

0:40:46.960 --> 0:41:6.70

Ryan Rebozo

Well, I I you know not to go back to the insurance question, but you know, I wonder how, you know die might treated seeds might be looked at differently by insurance companies, if not if they're just treating all treated seeds in in similar way and maybe Canada is an example for this as opposed to just looking at Neo Nic versus completely untreated.

0:41:9.640 --> 0:41:10.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, alright.

0:41:13.710 --> 0:41:15.770

Roy Beckford

Yeah, comprehensive.

0:41:15.780 --> 0:41:29.10

Roy Beckford

I think if I find I find all of this very fascinating and it was not the last meeting, I think I was tempted to ask Anna question about.

0:41:30.940 --> 0:41:31.310

Roy Beckford

What?

0:41:31.580 --> 0:41:33.30

Roy Beckford

What if she knew?

0:41:34.720 --> 0:41:48.310

Roy Beckford

Applied studies informed New York decisions on this, but it might be a mood question given all the the information that's retrieved and put down here, but very very comprehensive.

0:41:49.950 --> 0:41:55.900

Roy Beckford

Umm, I believe in the all the information gathered and and noted here.

0:41:59.120 --> 0:41:59.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:41:58.890 --> 0:41:59.960

Roy Beckford

And and if you have a.

0:42:0.110 --> 0:42:2.770

Roy Beckford

If you have an answer, just text it back to me yourself.

0:42:3.550 --> 0:42:5.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I don't have an answer.

0:42:5.380 --> 0:42:7.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, I don't know where New York got there.

0:42:9.320 --> 0:42:18.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There was based on the the here their evaluation of the impacts, right, not the studies cited in here somewhere, right?

0:42:18.950 --> 0:42:21.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, for yeah, mccarton.

0:42:21.330 --> 0:42:22.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, mcart.

0:42:22.360 --> 0:42:22.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:42:22.720 --> 0:42:23.130
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, right.

0:42:23.250 --> 0:42:24.170
Roy Beckford
OK, OK.

0:42:26.120 --> 0:42:26.430
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Wendy.

0:42:31.510 --> 0:42:38.350
Wendy Sue Harper (Guest)
The first thing we want to say I thought Laura looking at the language difference that you found was very perceptive.

0:42:38.420 --> 0:42:39.880
Wendy Sue Harper (Guest)
Thank you for pointing that out.

0:42:39.890 --> 0:42:40.470
Wendy Sue Harper (Guest)
You know?

0:42:40.700 --> 0:42:53.600
Wendy Sue Harper (Guest)
And then I was thinking about Diamide and I found a chart that had a bunch of information on it in a table listed about pesticides.

0:42:53.610 --> 0:42:58.600
Wendy Sue Harper (Guest)
Cause if we're gonna recommend going to that kind of seed treatment, we ought to know a little about it.

0:42:58.610 --> 0:43:0.490
Wendy Sue Harper (Guest)
And if you wanna share that?

0:43:1.70 --> 0:43:6.990
Wendy Sue Harper (Guest)
Umm Morgan, or I'd remember whose computer the stuff is on.

0:43:7.40 --> 0:43:7.500
Wendy Sue Harper (Guest)
You can.

0:43:6.220 --> 0:43:8.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, Jill has is sharing your screen right now.

0:43:8.540 --> 0:43:9.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But Yep, she has.

0:43:11.420 --> 0:43:14.690

Wendy Sue Harper (Guest)

So that was the only thing I thought we should know a little about that.

0:43:15.540 --> 0:43:15.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:43:15.420 --> 0:43:19.0

Wendy Sue Harper (Guest)

And this is some something I found from EPA, that's all.

0:43:18.390 --> 0:43:21.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You wanna you wanna walk people through that money?

0:43:20.980 --> 0:43:21.890

Wendy Sue Harper (Guest)

Sure.

0:43:22.20 --> 0:43:25.450

Wendy Sue Harper (Guest)

I was just I I looked up diamide.

0:43:25.460 --> 0:43:29.260

Wendy Sue Harper (Guest)

I think that's how you say that and keep going down to the the first table.

0:43:31.370 --> 0:43:33.280

Wendy Sue Harper (Guest)

Because I thought that one was really.

0:43:35.110 --> 0:43:35.550

Wendy Sue Harper (Guest)

Helpful.

0:43:37.610 --> 0:43:38.640

Wendy Sue Harper (Guest)

It lists all the.

0:43:41.620 --> 0:43:50.510

Wendy Sue Harper (Guest)

Kind of relative toxicity for diamide to the other things in including the neonicotinoids that we've been looking at.

0:43:57.700 --> 0:43:57.900

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The.

0:43:51.0 --> 0:44:4.240

Wendy Sue Harper (Guest)

And so if you go down to the very bottom, you'll see that the the orange means that your it's similar toxicity, the green is less and the pink is more toxic than.

0:44:6.140 --> 0:44:6.540

Wendy Sue Harper (Guest)

The.

0:44:8.580 --> 0:44:10.310

Wendy Sue Harper (Guest)

The diamide.

0:44:10.350 --> 0:44:16.270

Wendy Sue Harper (Guest)

So anyways, so this is a you know, I I think Morgan put this up in our folder.

0:44:16.280 --> 0:44:28.410

Wendy Sue Harper (Guest)

It's something that we can use to kind of think about how these things relate and we've got it to birds and mammals and honey bees and fish and aquatic invertebrates, etcetera.

0:44:28.840 --> 0:44:37.720

Wendy Sue Harper (Guest)

So anyways, maybe that'll be helpful when we are thinking about about that as a different seed treatment and otherwise very comprehensive.

0:44:37.730 --> 0:44:38.80

Wendy Sue Harper (Guest)

Thank you.

0:44:40.170 --> 0:44:42.460

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is Sarah good question.

0:44:44.40 --> 0:44:44.810

Owen, Sarah

Yeah. Thanks.

0:44:44.840 --> 0:44:46.0

Owen, Sarah

Umm could you Scroll down?

0:44:46.10 --> 0:44:48.770

Owen, Sarah

And sorry I didn't look at that table beforehand.

0:44:48.780 --> 0:44:51.570

Owen, Sarah

It the bottom where it has the key.

0:44:51.580 --> 0:44:56.60

Owen, Sarah

It said it was compared to what was it compared to? Sorry.

0:44:53.830 --> 0:44:56.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, still, can you just Scroll down?

0:44:56.550 --> 0:45:0.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You shouldn't do that, and this is on our team.

0:45:0.190 --> 0:45:3.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I didn't put it up, just that we need to just send it this morning.

0:45:3.290 --> 0:45:4.220

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I haven't put it on the.

0:45:2.920 --> 0:45:5.60

Owen, Sarah

Row flying alone, OK?

0:45:4.950 --> 0:45:6.160

Wendy Sue Harper (Guest)

And that's a diamide.

0:45:7.70 --> 0:45:9.20

Owen, Sarah

Oh, so this is sorry.

0:45:9.30 --> 0:45:9.860

Owen, Sarah

What's at the top, then?

0:45:9.870 --> 0:45:11.300

Owen, Sarah

Are these different neonicotinoids?

0:45:14.340 --> 0:45:14.890

Owen, Sarah

Ohh yeah.

0:45:14.900 --> 0:45:15.190

Owen, Sarah

OK.

0:45:12.980 --> 0:45:17.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the the 2nd, 3rd and 4th column are neonics.

0:45:15.200 --> 0:45:18.120

Owen, Sarah

So yeah, OK. OK.

0:45:18.0 --> 0:45:28.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think on the next page it it compares the bro flowin whatever we say it flowin flow two other diamond.

0:45:29.650 --> 0:45:39.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I I will say just based on our key takeaways that that infero treatment that we heard about from Tracy, Bawdy is this chemical?

0:45:39.350 --> 0:45:39.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What?

0:45:39.730 --> 0:45:40.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Right.

0:45:40.120 --> 0:45:40.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Right.

0:45:40.430 --> 0:45:45.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's just comparing the seed treatments to the infra right?

0:45:46.140 --> 0:45:46.460

Owen, Sarah

OK.

0:45:45.730 --> 0:45:48.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I'm not sure the bro.

0:45:48.790 --> 0:45:49.60
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Wow.

0:45:51.630 --> 0:45:53.660
Owen, Sarah
No, that, that's that's helpful context.

0:45:53.670 --> 0:45:53.960
Owen, Sarah
Yeah.

0:45:49.70 --> 0:45:54.140
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
And that whatever I can't get the bro chemical is. It's broken.

0:45:53.970 --> 0:45:54.410
Owen, Sarah
Thank you.

0:45:55.250 --> 0:45:55.940
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

0:45:56.70 --> 0:45:56.390
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

0:45:56.40 --> 0:45:56.440
Owen, Sarah
Thank you.

0:45:56.400 --> 0:45:57.890
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
And this will be up on the site.

0:45:58.800 --> 0:45:58.980
Owen, Sarah
OK.

0:45:57.900 --> 0:45:59.300
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
You can look at more detail.

0:46:0.70 --> 0:46:8.30
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, but there was a comment somewhere saying that our farmers are not equipped for this infero application anymore.

0:46:8.740 --> 0:46:10.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

No, I don't think so.

0:46:10.760 --> 0:46:21.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Previously, when they were implying applying infra insecticides, they had additional boxes on the back of the planner units and sends the seats been coming to treated.

0:46:22.300 --> 0:46:29.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They either update their plan or they don't have it, or this hardware would no longer be.

0:46:29.40 --> 0:46:32.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, it's just not something that they've used things kept up and maintained.

0:46:32.100 --> 0:46:37.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think that's the comment too, but they don't have the ability or.

0:46:38.590 --> 0:46:40.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'm not something they've done.

0:46:42.790 --> 0:46:43.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They're not capable.

0:46:43.640 --> 0:46:44.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is it easier?

0:46:44.700 --> 0:46:48.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It easier to say is technology that has not been used.

0:46:48.440 --> 0:46:54.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is it more accurate to say has not been used or I I think that they I think you're wording is fine.

0:46:54.100 --> 0:46:59.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They don't have the capacity to do this at this point, you know.

0:47:0.650 --> 0:47:2.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I think that's something up in my mind.

0:47:6.310 --> 0:47:6.520
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

0:47:10.270 --> 0:47:11.850
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK, we're ready to move on to the next.

0:47:13.560 --> 0:47:15.260
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Topic for consideration.

0:47:15.750 --> 0:47:18.180
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
That the board charge to consider.

0:47:24.100 --> 0:47:24.410
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

0:47:24.450 --> 0:47:24.670
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Sorry.

0:47:24.680 --> 0:47:24.950
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Hold on.

0:47:24.960 --> 0:47:27.350
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Let me get in my thoughts.

0:47:29.490 --> 0:47:29.670
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

0:47:31.660 --> 0:47:37.330
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK, so the next one is the economic impact from crop losses compared to crop yield.

0:47:38.180 --> 0:47:41.370
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
When the treated seeds are used, uh.

0:47:41.530 --> 0:47:42.340
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So Morgan?

0:47:42.450 --> 0:47:42.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep.

0:47:42.880 --> 0:47:47.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So again, we heard a little bit about economics from.

0:47:50.790 --> 0:47:55.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh Corteva representative, also from Elton Shields at Cornell.

0:47:55.110 --> 0:47:58.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Tracy Bowdy with Ontario doctor Scott Mccart.

0:47:59.40 --> 0:48:4.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so that is the new Nick Junior is in New York State.

0:48:4.20 --> 0:48:13.350

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That is that overarching study that was referenced quite a bit with the passage of that person's act in New York, right?

0:48:14.220 --> 0:48:25.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So he talked about I I when he came and talked to us, it was we practiced him with treated seeds specific information on that.

0:48:25.640 --> 0:48:28.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that was his presentation that was tailored for us.

0:48:28.950 --> 0:48:29.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then.

0:48:31.740 --> 0:48:37.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This is Heather's presentation to us in September.

0:48:38.220 --> 0:48:45.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So she did share with us some slides of her research results from the two.

0:48:46.390 --> 0:48:47.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

On Discovery, Acres and.

0:48:49.560 --> 0:48:50.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The research firm.

0:48:51.240 --> 0:48:54.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But we don't have those slides quite yet.

0:48:54.580 --> 0:48:59.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So right now I'm just referencing the meeting minutes, but as soon as we get those slides, those will be available on on line too.

0:48:59.660 --> 0:49:5.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And on our team site, so key takeaways about economics, please.

0:49:10.240 --> 0:49:16.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think we heard, uh, a lot of times that there there wasn't a clear trend.

0:49:16.550 --> 0:49:25.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So research comparing fungicide only treated seed to neonet treated seed showed kind of inconsistent yield differences.

0:49:25.570 --> 0:49:34.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So there wasn't a clear trend for increased yield with neonatal seeds or vice versa for untreated or front side only treated seats.

0:49:35.800 --> 0:49:41.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh specific study that I called out here was one that we heard from.

0:49:41.680 --> 0:49:54.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Tracy Bowdy is from a 2020 Ontario study, and it did show that there was a difference in vigor with neonet treated corn seed compared to the fungicide only.

0:49:54.770 --> 0:50:1.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But then, so that was earlier in the season, but it didn't translate to a significant yield increase by the end of the season.

0:50:1.860 --> 0:50:8.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So some other kind of key points from that study from Tracy, Bawdy, I think, tried to.

0:50:10.940 --> 0:50:23.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Kinda sum up what we wanted to hear relevant to this topic, so the chance of the cost recovery of the neonet treated seed occurred in less than 50% of the study sites.

0:50:25.740 --> 0:50:33.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The early season soil insect pests were not uncommon, meaning they were there.

0:50:35.680 --> 0:50:42.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But there was a poor relationship between the insect incident and yield loss and.

0:50:44.690 --> 0:50:47.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The early season insect pest found in Ontario.

0:50:47.90 --> 0:50:50.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Generally minor, and that they're causing sub economic injury.

0:50:52.820 --> 0:50:59.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we also heard from Elton Shield about his 2022 research at Cornell and he.

0:51:1.510 --> 0:51:21.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Did an economic kind of assessment and they assumed that the cost of the yield loss seen in the research plot planted with corn seed without the insecticide exceeded the cost of the corn seed maggot treatment on the seat.

0:51:21.480 --> 0:51:28.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I try to put this in another way, so the yield loss is greater than the cost of the treatment in terms of muonic treated seeds.

0:51:29.130 --> 0:51:37.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So one of his conclusions was that it made it makes sense for farmers to use the seed treatment as an insurance policy because there's no additional cost to the farmer to use it.

0:51:40.530 --> 0:51:42.70

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We did call out.

0:51:42.80 --> 0:51:54.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's an opportunity to learn more about the economic impacts of using untreated or non neonet treated seeds and planting later in the season to avoid that peak test pressure.

0:51:55.420 --> 0:52:0.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we did talk about that and we talked about, Jonathan said there is a shorter maturity.

0:52:1.10 --> 0:52:1.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:52:1.710 --> 0:52:10.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

**** that exists is available in Vermont, but it might not be what Vermont farmers need or want for their optimal feed programs.

0:52:13.390 --> 0:52:17.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, so yeah, that's kind of all we had for economic impact.

0:52:17.330 --> 0:52:17.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

0:52:17.650 --> 0:52:20.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So again, first question is right thing we missed.

0:52:20.610 --> 0:52:28.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Were there any reports or information given to the board that we didn't capture in this recap, but there wasn't any was aware of?

0:52:30.510 --> 0:52:30.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Laura.

0:52:31.660 --> 0:52:33.350

DiPietro, Laura

I'll try to look through my notes and I apologize.

0:52:33.360 --> 0:52:44.980

DiPietro, Laura

I haven't had time to go back through and look at all these presentations again, but I swore there were one, maybe two different people who said that the yield recovery, I'll call it, is just like a 3%.

0:52:48.140 --> 0:52:49.270

DiPietro, Laura

Like protection.

0:52:49.380 --> 0:52:56.120

DiPietro, Laura

They think you're loss would not typically be greater than that if you didn't have the neonicotinoid is was my understanding of how they stated it.

0:52:57.20 --> 0:53:0.270

DiPietro, Laura

And so I wonder if is that what other people heard?

0:53:0.800 --> 0:53:3.370

DiPietro, Laura

Is that essentially your yield loss?

0:53:3.380 --> 0:53:11.270

DiPietro, Laura

Without, it would only be about 3%, so that your insurance you're buying it told me that was a 3% coverage which you know on a big scale.

0:53:11.280 --> 0:53:12.640

DiPietro, Laura

Obviously that's a real impact.

0:53:12.650 --> 0:53:17.830

DiPietro, Laura

I mean, it's an impact for anyone but it what I expected it to be a much stronger impact than that.

0:53:18.40 --> 0:53:18.680

DiPietro, Laura

If I'm being honest.

0:53:21.600 --> 0:53:24.900

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's not ringing a bell my head, but that doesn't mean so I can go back through.

0:53:24.910 --> 0:53:26.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, we'll have to go back and look, but.

0:53:26.550 --> 0:53:27.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, but Laura?

0:53:27.800 --> 0:53:32.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I'll go back through, but it would have been one of those studies that was captured here.

0:53:32.100 --> 0:53:32.770

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think so, yeah.

0:53:31.990 --> 0:53:34.610

DiPietro, Laura

I think that one of the corteva person said something.

0:53:34.620 --> 0:53:37.870

DiPietro, Laura

It was that day that Corteva was there, that that the presenters.

0:53:40.980 --> 0:53:42.20

DiPietro, Laura

So and I'll go back to it, but.

0:53:42.960 --> 0:53:43.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:53:45.330 --> 0:53:45.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:53:45.650 --> 0:53:53.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We'll go back and and and try to capture that and again that's sort of brings up the you know the same point again, this is all going to get rendered into a report.

0:53:53.370 --> 0:54:0.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if there's anything that you know we're missing now, we can make sure it gets in there at that point.

0:54:2.320 --> 0:54:2.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:54:3.560 --> 0:54:5.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, let's go ahead.

0:54:5.750 --> 0:54:9.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And Jonathan, anything you want to add or go to your thoughts about this?

0:54:9.190 --> 0:54:11.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Are, I think the piece that's missing of this is?

0:54:11.890 --> 0:54:13.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What is the actual?

0:54:15.200 --> 0:55:11.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yield impact and you know we talk about a two percent, 3%, but I think when it comes to initial stand count loss, I think when we talk about the chief insurance or this comment that's made as an insurance policy, I think really I remember Elsie's comments were basically it's like something or nothing you know versus just a you get a three you know I don't think of these treatments as like a bump in yield from your standard condition you know refers to this insurance of something or nothing and you know then you talk about if you have nothing then you have to replant you know that to me it's sort of the piece of this that's sort of missing is you know we're not talking about it infestation once it's up and eaten a certain percent of the leaf and thus photosynthesis produced and you can predict a 5% you loss or whatever.

0:55:13.500 --> 0:55:27.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And I I I seem to remember when Elson had his presentation, I didn't review that before this, but that was some of his thoughts finding that back part of the field that hasn't had a historical neuronal treatment.

0:55:28.220 --> 0:55:28.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

0:55:29.380 --> 0:55:41.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And trying to get the the the situation of not having that quote unquote Halo effect and you know it's it's a something or nothing that plant is either comes up and lives or it dies.

0:55:41.950 --> 0:55:44.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know, there is no yield loss percent.

0:55:44.680 --> 0:55:47.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's zero or nothing, so that's catastrophic, right?

0:55:47.950 --> 0:55:59.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so I guess you know, when these studies talk about they had no yield loss both there wasn't any wireworm issues in the beginning then then yes, you wouldn't suspect that to be a benefit.

0:55:59.330 --> 0:56:8.220

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But you know to me that that that's sort of the piece missing from this in my mind, is the explanation of what some of the yield loss can be caused from.

0:56:9.780 --> 0:56:25.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So you think that like the cost of planting, replanting should be figured in there somehow in incorrect

and if your plant germinates and then it dies, there's two weeks of the growing season minutes and you talked about these insurance companies and their premiums.

0:56:25.660 --> 0:56:27.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So they have a certain date around here.

0:56:27.680 --> 0:56:29.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Anything planned after June 10th?

0:56:30.140 --> 0:56:37.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Every day after that is a percent, you lose of your base coverage of your insurance that you can actually get.

0:56:37.120 --> 0:56:44.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if you buy 80% three days after the 10th, you only may get coverage for 70% of your base.

0:56:45.40 --> 0:56:59.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so, even though your premium doesn't change, so to me this, you know lost piece or potential is a little bit more convoluted than just just plain just plain 5% loss and a cover you know.

0:56:59.700 --> 0:57:2.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And I do remember health and made some pretty big points of that.

0:57:2.890 --> 0:57:8.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So without going back and looking at his in depth, that just stuck out to me.

0:57:9.190 --> 0:57:9.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:57:9.850 --> 0:57:10.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And let's keep going.

0:57:11.890 --> 0:57:12.900

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, that was I.

0:57:13.660 --> 0:57:23.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That was, I was struck that, you know, I was expecting bigger yields as a result, but I was struck that, you know, it wasn't much, but much of a difference.

0:57:23.880 --> 0:57:27.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But that was that's a good point about the whole whether you have to replant and.

0:57:30.930 --> 0:57:31.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:57:33.210 --> 0:57:33.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Wendy.

0:57:39.150 --> 0:57:41.450

Wendy Sue Harper (Guest)

I don't have anything to add in this section.

0:57:43.190 --> 0:57:43.610

Wendy Sue Harper (Guest)

Thank you.

0:57:43.160 --> 0:57:45.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, OK, Roy.

0:57:47.610 --> 0:57:58.680

Roy Beckford

So was that Jonathan that just gave that excellent UM analysis because that was pretty good because I didn't know what else to add either, but that was a pretty good assessment.

0:57:59.290 --> 0:58:0.990

Roy Beckford

And so I, and I'm gonna support that.

0:58:5.440 --> 0:58:5.720

Roy Beckford

That.

0:58:5.730 --> 0:58:6.300

Roy Beckford

Yeah, that's it.

0:58:7.390 --> 0:58:7.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:58:7.930 --> 0:58:9.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you, Ryan.

0:58:11.170 --> 0:58:12.140

Ryan Rebozo

Uh, same here.

0:58:12.150 --> 0:58:23.920

Ryan Rebozo

A good kind of assessment overall and and it kind of supports to what we said earlier that kind of limited utility in early scouting based on some of the the lack of relationships between insects and what we're seeing in the field.

0:58:26.70 --> 0:58:26.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

0:58:28.400 --> 0:58:28.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sarah.

0:58:31.170 --> 0:58:31.700

Owen, Sarah

Uh, yeah.

0:58:31.710 --> 0:58:32.590

Owen, Sarah

Nothing more to add to this.

0:58:34.60 --> 0:58:35.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, Amanda.

0:58:36.980 --> 0:58:40.50

Amanda St.Pierre

Yeah, just agree with Jonathan's point earlier.

0:58:40.140 --> 0:58:42.910

Amanda St.Pierre

I think that this captures most of everything.

0:58:43.240 --> 0:58:47.710

Amanda St.Pierre

I don't think of anything else to add except for when we talk about percentages.

0:58:48.160 --> 0:58:55.690

Amanda St.Pierre

You know, 1% is significant and you can look at it both ways, whether it's a small farm or a larger farm.

0:58:56.0 --> 0:59:9.310

Amanda St.Pierre

So when you're not meeting the yields that you expect and there's an increase in either replanting or if

you're past the point of replanting due to weather conditions, you have to go out to the market and buy your replacement feeds.

0:59:9.810 --> 0:59:12.440

Amanda St.Pierre

And it's the same for a smaller firm.

0:59:12.670 --> 0:59:20.600

Amanda St.Pierre

You know that might be very significant for some of our smaller dairies to try to go out and and replenish their inventory by purchasing.

0:59:21.110 --> 0:59:32.470

Amanda St.Pierre

So just be careful when we hear percentages and make the assumption that you know 5% is in a lot or 1% or 2% it it needs each operation, it can make a significant difference.

0:59:34.880 --> 0:59:35.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

0:59:35.460 --> 0:59:36.980

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So Amanda, I have a question for you.

0:59:39.70 --> 0:59:40.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

In your experience.

0:59:42.110 --> 0:59:49.800

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Had you have you had situations where you had substantial stand loss to one of the, you know one of these pests?

0:59:52.320 --> 0:59:53.50

Amanda St.Pierre

You know I.

0:59:54.940 --> 1:0:2.770

Amanda St.Pierre

You know, I can't remember in the last five years that we've had substantial loss to pest.

1:0:2.840 --> 1:0:23.980

Amanda St.Pierre

We've had some substantial loss due to weather and currently we're we have some fields that were impacted by the weather and standing water in the fields and it came up with some kind of a micro disease that kind of went through the whole field and really limited the corn growth, the cobs that are not formed.

1:0:24.470 --> 1:0:30.640

Amanda St.Pierre

So we've had that, but in the last five years, I can't say that it's been due to pests.

1:0:30.650 --> 1:0:49.90

Amanda St.Pierre

And I think that is a compliment to, you know, the scientists that developed the seeds that we use in our area, that they're able to really kind of keep an eye and certainly the work that you'd be an extension has done and they're reporting has helped farmers in that in that aspect.

1:0:52.370 --> 1:0:52.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, great.

1:0:52.950 --> 1:0:53.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:0:54.820 --> 1:0:55.220

DiPietro, Laura

You can.

1:0:55.230 --> 1:0:56.50

DiPietro, Laura

I have some stuff.

1:0:54.830 --> 1:0:57.270

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Laura, anything else you wanna add? Yep.

1:0:56.640 --> 1:1:8.130

DiPietro, Laura

You're just gonna ask a follow up question and maybe there's not really an answer that's consistent, but you know, I assume farms are considering lots of different things when they plant and try and figure out like what their loss could be, right.

1:1:8.140 --> 1:1:35.50

DiPietro, Laura

So, you know, do you plan, you know 110% in assume you might lose 3% for this, 3% for weather you know 3% for something else like is there a historic trend that people look back at their prop growth and figure out what their average loss has been and sort of adjust for that so that there's this understanding and again I'm just thinking about because the legislature is gonna be looking at this and it's like if you could outline like you know this is what they already have to consider.

1:1:35.60 --> 1:1:37.310

DiPietro, Laura

And then there's this additional consideration.

1:1:37.600 --> 1:1:48.250

DiPietro, Laura

So I don't know if there's sort of like averages that are pretty consistent across farmers that you consider for over estimating how much you need to plant.

1:1:48.500 --> 1:1:50.340

DiPietro, Laura

So that you assume there's already some loss.

1:1:52.740 --> 1:1:53.50

Amanda St.Pierre

Umm.

1:1:52.990 --> 1:1:53.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Hey buddy.

1:1:53.60 --> 1:1:55.30

Amanda St.Pierre

If that's directed to me, I don't.

1:1:55.80 --> 1:1:58.250

Amanda St.Pierre

I don't think that's how we base our decisions on.

1:1:58.990 --> 1:2:4.600

Amanda St.Pierre

I think we base the last year's crop history and certainly maybe the last three years.

1:2:5.560 --> 1:2:6.0

Amanda St.Pierre

Umm.

1:2:8.200 --> 1:2:8.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The.

1:2:7.290 --> 1:2:31.800

Amanda St.Pierre

In picking what types of seeds we're going to grow and how many days we're gonna do, but a lot of it, you know, it's just on the spot because if you go in thinking a typical planting season and then you have a month of rain where scrambling to try to work with the inventories to seed companies have, like Jonathan says, to be passed down to other states or other areas of the state.

1:2:31.810 --> 1:2:42.510

Amanda St.Pierre

And we do a lot of trading that way, but there's no guarantee we're going to get the seed trait that we think we need nor the amount of day planting.

1:2:43.400 --> 1:2:48.750

Amanda St.Pierre

And just to be clear, we do, we do use treated seeds on all of our inventory.

1:2:48.960 --> 1:2:53.390

Amanda St.Pierre

So I just I should make that point clear that we are conventional conventional dairy.

1:2:57.770 --> 1:2:58.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:2:58.300 --> 1:2:58.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:2:59.460 --> 1:2:59.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh.

1:2:59.860 --> 1:3:1.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Anybody else on this topic?

1:3:3.320 --> 1:3:16.330

DiPietro, Laura

Well, I just had, I mean, I wasn't necessarily poking that towards you to answer, but I was just wondering, you know, like we have, we have a lot of weather issues that have happened over the years and you know there's, there's definitely insurance that exists that maybe claims have been taken out.

1:3:16.340 --> 1:3:21.400

DiPietro, Laura

And so it's just like what is already the average loss that farms on average in Vermont are seeing.

1:3:22.270 --> 1:3:22.640

DiPietro, Laura

Umm.

1:3:23.210 --> 1:3:31.170

DiPietro, Laura

So just for consideration of like you know how many acres you would have to over plant to accommodate that loss if that's something we could look at past data?

1:3:32.290 --> 1:3:35.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we should be able to get that kind of data from USDA on that.

1:3:35.810 --> 1:3:43.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, I don't know Vermont, but it just makes me think of where what I shared from Heather Darby as far as pest.

1:3:45.570 --> 1:3:46.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think they did.

1:3:46.150 --> 1:3:48.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It was from Ontario and all of the United States.

1:3:49.520 --> 1:3:50.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm for the.

1:3:53.740 --> 1:3:58.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

About economic losses from specific tests and it.

1:4:1.700 --> 1:4:2.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If you told me about.

1:4:4.720 --> 1:4:9.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It was considering how prevalent the use of treated seed is.

1:4:10.40 --> 1:4:11.80

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's surprising to see.

1:4:13.20 --> 1:4:15.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

How big the losses are?

1:4:16.310 --> 1:4:18.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, let me see if I can pull that up.

1:4:18.330 --> 1:4:20.800

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I'm not talking about something that you guys don't even know.

1:4:20.810 --> 1:4:23.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What it was.

1:4:28.450 --> 1:4:30.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Sorry, you don't have to wait for me, but I can.

1:4:30.390 --> 1:4:39.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

An area like this where this this product that's being grown corner beans is a feedstock for these producers.

1:4:39.700 --> 1:4:51.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They, you know my experience working with them is that they grow what they think they need because if you think about an extra acre depending on the operation, there's six or \$700.00.

1:4:51.700 --> 1:5:3.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, these are real numbers, you know, so to go and figure, depending on the size, you know 3 or 5% you know increase is is is real figures.

1:5:5.990 --> 1:5:8.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I mean, that's just something to think about.

1:5:9.930 --> 1:5:19.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Nobody plants extra, assuming that they're unless they have a reason to catch up from a year before where their losses were greater than what they had planned on.

1:5:21.870 --> 1:5:34.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I mean cause it's either purchase feed or you feed something else that you intended to feed for something else that then doesn't get stored in cured long enough and you start feeding first, cut within two days of chopping it.

1:5:34.930 --> 1:5:36.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's never good.

1:5:36.480 --> 1:5:40.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, there's, it's that's a hard quantitative number to come up with.

1:5:40.880 --> 1:5:45.790

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know people who just bring the product in, fill a bin, sell it for every ton that came in.

1:5:45.800 --> 1:5:47.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They sell every ton out.

1:5:48.780 --> 1:5:53.980

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know that's that's a very different situation than what this region deals with.

1:5:58.260 --> 1:6:0.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, I can.

1:6:0.340 --> 1:6:2.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'm just steal it for a second child.

1:6:5.680 --> 1:6:8.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this is what Heather share.

1:6:8.180 --> 1:6:12.70

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so I sent this out on can you see it there?

1:6:15.580 --> 1:6:19.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It just made me with semi relevant to what Laura was asking.

1:6:20.0 --> 1:6:28.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this is the invertebrate loss estimates for all of the United States and Canada, Ontario for 2022.

1:6:35.970 --> 1:6:40.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this get that due to specific past.

1:6:42.350 --> 1:6:47.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Total losses in bushels for corn and then it also.

1:6:49.70 --> 1:6:50.990

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Translated that.

1:6:54.70 --> 1:6:55.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh no, it didn't the money.

1:7:2.530 --> 1:7:8.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So five more significant invertebrates, this is in Western US, this is in Great Lakes region.

1:7:8.790 --> 1:7:17.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Corner Worms is #1, and both of those, Steve Corn, maggot #2 in Great Lakes region and Ontario.

1:7:18.440 --> 1:7:24.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it just made me think of there's some sort of quantification of losses the past.

1:7:24.760 --> 1:7:26.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's definitely not specific to Vermont.

1:7:28.480 --> 1:7:33.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But it was shared with us because of something that Heather mentioned in through September presentation.

1:7:34.470 --> 1:7:37.40

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But it also makes you think of that.

1:7:37.90 --> 1:7:43.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

How widely used neuronic treated seeds are, and these are still the the numbers right?

1:7:45.650 --> 1:7:45.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:7:49.240 --> 1:8:8.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, ready to go to the next topic, which is the consideration of the relative toxicities are different, Leo next to North treated article seeds and if and effects of treated article seeds on human health and the environment and so more than yeah, I enjoy you calling that not.

1:8:10.930 --> 1:8:18.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so for this topic we heard.

1:8:21.340 --> 1:8:21.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

For.

1:8:23.670 --> 1:8:24.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Human health.

1:8:24.390 --> 1:8:36.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard from our own Members Sarah Owen and that's captured in the meeting minutes from March and for environmental impacts, we heard from quite a few people.

1:8:36.500 --> 1:8:39.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I went back even a year ago.

1:8:39.860 --> 1:8:50.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

May I kind of linked to Terry Bradshaw's presentation about what has already happened with the Pollinator Protection Committee in Vermont?

1:8:50.540 --> 1:8:55.700

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then we heard lots of presentations of summaries about the EPA.

1:8:58.50 --> 1:9:7.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Evaluation of the three main NEO next and then also kind of a lit review of the environmental impact of new next.

1:9:7.830 --> 1:9:12.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard from Andrew Munkres from the Vermont Beekeepers Association as well.

1:9:13.920 --> 1:9:21.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the main takeaway, if you want to Scroll down is for human health.

1:9:23.140 --> 1:9:25.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is there obviously you can correct me if I'm wrong.

1:9:26.840 --> 1:9:37.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we reviewed the EPA human health risk assessment for a middle quote, bread, a residue on food, crafts, food crops from seed treatment used is negligible.

1:9:39.310 --> 1:9:46.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And because the seed is purchased already treated, there's low risk for exposure to the farmer.

1:9:49.0 --> 1:9:56.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Munich have a favorable human health profile compared to the OP in Sexercise that they replaced.

1:9:58.170 --> 1:10:6.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then the Unix other than a middle clobbered would have a similar human health risk assessment as they have a similar use profile.

1:10:9.440 --> 1:10:13.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So then going on to the environmental ecological risk assessment.

1:10:15.550 --> 1:10:22.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

From EPA's risk assessment, we heard that their determination that the most likely risk of concern.

1:10:22.820 --> 1:10:28.560

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, uh for mammals and birds is from the chronic consumption of treated seeds.

1:10:30.580 --> 1:10:38.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

They also classify all three of these new next is highly toxic to honey bees with both acute and chronic toxicities.

1:10:40.250 --> 1:10:50.240

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so the EPA as a result of their ecological risk assessment for pros, the mitigation measures, and these are just the ones that were relevant to treated seeds.

1:10:50.730 --> 1:10:55.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And it is for additional language on the feedbag about covering and collecting.

1:10:55.880 --> 1:11:2.450

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So these are addressing the ingestion, so the mammals and be so cover and collect treated seeds.

1:11:4.440 --> 1:11:16.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Or plant them like in euro and dispose of all access treated seed by varying seed away from bodies of water and do not contaminate bodies of water when disposing of the wash water from your planting equipment.

1:11:18.40 --> 1:11:18.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we did.

1:11:18.720 --> 1:11:20.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I just pulled this out from.

1:11:20.320 --> 1:11:24.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This was part of our summary of the EPA and this is a quote from the EPA.

1:11:24.880 --> 1:11:39.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So these risk mitigation measures were considered with the understanding of the high benefits associated with seed treatment uses which through their use have the potential to reduce overall new nicotine exposure and offer a lower overall ecological risk compared to full area uses.

1:11:39.910 --> 1:11:43.250

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So just calling out that risk benefit balance.

1:11:44.520 --> 1:11:49.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard that new Unix are highly water soluble and persistent as soil.

1:11:50.420 --> 1:11:59.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The we saw from a few people slides that showed what happened to the neonet that are on the treated seat.

1:11:59.40 --> 1:12:32.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So of the active ingredient on the treated seed, we saw some data showing 2 to 20% of that active ingredient is taken up by the target plants and it protects that seed plant from test for up to three weeks, 2 to 3% of what's that active ingredient on the seed is lost as dust during planting and then we saw that over the rest of that active ingredients over 90% moves into the soil water and our target plants.

1:12:34.740 --> 1:12:38.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then this is a little bit about the usage.

1:12:38.720 --> 1:12:40.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We saw that of.

1:12:42.520 --> 1:12:53.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The total acreage treated in the US with a NEO neck only one to 3% of those acres get it by a fully or infero treatment.

1:12:53.490 --> 1:12:57.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The remainder of those acres are receiving a new Unix through AC treatment.

1:12:58.150 --> 1:13:1.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Just get that how common these are used.

1:13:3.840 --> 1:13:7.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The amount of active ingredient perceived is considerably less than an inferred treatment.

1:13:11.80 --> 1:13:11.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This gets out.

1:13:11.900 --> 1:13:15.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We we've had a lot of discussion about that definition of ITM.

1:13:17.270 --> 1:13:25.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, so sea treatment is considered an IBM strategy by the seed industry because of the lower usage rates and the targeted treatment to the seed.

1:13:28.160 --> 1:13:29.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh Canada.

1:13:29.840 --> 1:13:31.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Like they're equivalent of EPA.

1:13:31.560 --> 1:13:37.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the PM RA investigated honey bee mortalities and that was in 2012.

1:13:37.880 --> 1:13:40.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So that was kind of in that presentation that we heard that.

1:13:42.350 --> 1:13:51.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Was the timetable what led to regulations in Canada, so it started with these high incidents of honey bee mortalities in 2012.

1:13:51.630 --> 1:14:4.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so they're pmra investigated those, and they found that exposure to neonics in the dust generated during planting of treated corn and soybeans with the vacuum planters contributed to those mortalities observed.

1:14:5.470 --> 1:14:9.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So sources of Munich exposures.

1:14:11.640 --> 1:14:15.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard our from exhausted dust from the vacuum planters.

1:14:16.770 --> 1:14:20.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Soil dust carried over from previous season.

1:14:20.230 --> 1:14:30.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This persist in the soil moved by any activity on the field and also by being sucked into the planter and then contributing to the abrasion to the seed again and release.

1:14:30.870 --> 1:14:46.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It does surface water after a rain event within a field and adjacent to field from fugitive dust, so that these are all sources of neonics exposures and the last one is residues blowing on to flowering resources, including weeds and tree blossoms.

1:14:47.920 --> 1:14:53.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then we saw this, I believe it's from Tracy Bowdy.

1:14:53.820 --> 1:15:2.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So 98% of the abrasion to the treated seeds comes from the soil through the intake of the vacuum planters.

1:15:5.320 --> 1:15:12.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Tracy Bowden's presentation the solution is to Prefilter followed by post filter, but then we heard from.

1:15:14.460 --> 1:15:20.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uvm, Heather and and Jeff of that planter modification is not a practical option for Vermont growers at this time.

1:15:23.780 --> 1:15:31.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Buddy, we heard a lot about dust and we heard a lot about the the main toxicity of of new next to the environment.

1:15:33.240 --> 1:15:33.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:15:34.470 --> 1:16:13.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So again, anything that we didn't capture in this recap that the board, uh, heard or consider you think we

got every capture, I mean arguably this was the area we got the most information about, yeah, but terms of the number of as a question, is this the place to put in, you know like this, it's not a I can remember, it's not brand name, but the, the, the food and the agent which is the brand name whatever we ended up wanting to call that is that a place to put this as well.

1:16:13.750 --> 1:16:14.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yes.

1:16:14.300 --> 1:16:15.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yes, exactly.

1:16:15.340 --> 1:16:23.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Because you know, again this is the, this is the information that we heard and it's you know we're we're headed toward making some recommendations.

1:16:23.530 --> 1:16:29.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if there's something relative to this topic, this would say that Ontario had.

1:16:29.460 --> 1:16:41.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, I don't know where exactly we would pull this as a reference or where it's cited, but you know, we heard from multiple people, the fluency agent as an alternative 12, would this reduce dust?

1:16:41.700 --> 1:16:42.150

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:16:42.200 --> 1:16:44.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So yeah, I'm gonna add.

1:16:44.540 --> 1:16:45.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

1:16:45.390 --> 1:16:46.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Fluency agent.

1:16:46.740 --> 1:16:49.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, we, we heard discussions about production.

1:16:49.540 --> 1:16:53.510
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So that was one of the strategies yesterday, sorry.

1:16:55.740 --> 1:16:55.930
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thank.

1:16:56.240 --> 1:16:57.790
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Can you remind me why?

1:16:58.220 --> 1:16:58.530
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Why?

1:16:58.540 --> 1:17:2.530
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Why did Heather say it's not a practical solution for our growers?

1:17:3.120 --> 1:17:6.650
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Expensive modification planner modification?

1:17:7.380 --> 1:17:9.360
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Well, I'll give you my take on it.

1:17:10.810 --> 1:17:20.630
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
When we they, she and her colleague guest attempted to get planter manufacturers.

1:17:20.680 --> 1:17:24.550
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
They contacted planter manufacturers that make modifications and they got nowhere.

1:17:24.680 --> 1:17:28.170
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
The the planner didn't know what they were talking about or had nothing.

1:17:28.310 --> 1:17:37.450
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
There was nothing available in the marketplace to to make this modifications or any plans on how or guidance on how to do it.

1:17:42.550 --> 1:17:43.810
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
They they. They tried?

1:17:44.80 --> 1:17:45.900
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, they were going to try to do that.

1:17:46.370 --> 1:17:46.890
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Check it out.

1:17:46.900 --> 1:17:47.760
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
They couldn't find anything.

1:17:50.0 --> 1:17:50.640
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Very practical.

1:17:51.810 --> 1:17:58.430
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So maybe the the idea of not practical, but maybe it's not a current option currently.

1:17:58.690 --> 1:18:0.820
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, I think, you know.

1:18:1.860 --> 1:18:3.770
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, that's probably a better way to say it, OK.

1:18:6.250 --> 1:18:7.10
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Who knows?

1:18:7.110 --> 1:18:28.0
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Some manufacturer could come out with something as an option, but right now for someone like Jeff to just go out and throw on some HEPA filters and expect consistent performance without yeah, manufacturers guidance I that's kind of what I took out of it as well as there wasn't something off an option available today.

1:18:28.110 --> 1:18:28.520
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

1:18:28.530 --> 1:18:38.310
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Well, what if I mean, if we put this in our BMPS, I mean, I guess we're just maybe we're too small, but could we drive some of that?

1:18:38.390 --> 1:18:39.630
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Well, let's hold that thought.

1:18:39.680 --> 1:18:40.40
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:18:40.50 --> 1:18:41.190
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Well, we get to that part.

1:18:41.200 --> 1:18:41.550
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:18:41.560 --> 1:18:41.910
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:18:41.920 --> 1:18:42.650
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
That's that's.

1:18:42.700 --> 1:18:43.650
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
That's kind of the discussion.

1:18:43.660 --> 1:18:44.70
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
What happened?

1:18:44.80 --> 1:18:45.440
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Let's go ahead, Roy.

1:18:45.450 --> 1:18:46.0
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
You have your hand up.

1:18:48.720 --> 1:18:48.840
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yes.

1:18:48.20 --> 1:19:2.840
Roy Beckford

Yeah, I think I remember asking at the time because I I was thinking about this, Steve, when it came up in all this state, whether solid waste facilities would take expired seats, treated seeds.

1:19:5.470 --> 1:19:9.40

Roy Beckford

And I can't remember if there was gonna be a query about this.

1:19:14.50 --> 1:19:14.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:19:13.560 --> 1:19:15.230

Roy Beckford

Was there a kind of remember what?

1:19:15.240 --> 1:19:15.750

Roy Beckford

What happened?

1:19:15.760 --> 1:19:16.390

Roy Beckford

What transpired?

1:19:19.60 --> 1:19:20.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, I don't know the answer to that.

1:19:21.110 --> 1:19:23.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, it's Stephanie.

1:19:23.300 --> 1:19:25.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I hate to put you on the spot, but did you?

1:19:25.240 --> 1:19:28.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I feel like you were at maybe going down that Rd.

1:19:34.10 --> 1:19:34.980

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

She might not be here.

1:19:34.990 --> 1:19:35.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I know she's sick.

1:19:34.730 --> 1:19:35.890

Smith, Stephanie

I cannot hear me.

1:19:36.710 --> 1:19:37.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, you can you.

1:19:39.160 --> 1:19:40.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's why your voice sound.

1:19:41.40 --> 1:19:48.70

Smith, Stephanie

OK my maybe my connection is not that great, but I did inquire and I don't know.

1:20:4.700 --> 1:20:4.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But.

1:19:48.80 --> 1:20:21.820

Smith, Stephanie

I think if the packages are are unopened and Jonathan, you can correct me if I'm wrong, but there's maybe the potential to give back to the manufacturer of the seed if you know if it's unopened and then as far as disposal of seeds, I recall hearing that it's cost, you know, like more than likely people are going to plant the seed cause it's a costly product that they've purchased so that they would they would monitor and or you know make sure that that seed gets in the ground.

1:20:21.870 --> 1:20:26.40

Smith, Stephanie

And then if there is a a need to dispose of it.

1:20:26.630 --> 1:20:29.70

Smith, Stephanie

I think there are some potential BMP.

1:20:29.130 --> 1:20:46.230

Smith, Stephanie

Is that would allow that that we need that the board needs to discuss regarding, you know, burying some distance away from water and other environmental features.

1:20:46.680 --> 1:20:48.910

Smith, Stephanie

So that's not really an answer to your question.

1:20:49.740 --> 1:20:50.950

Smith, Stephanie

It's just alternatives.

1:20:53.390 --> 1:20:54.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, we might have to do.

1:20:54.270 --> 1:20:56.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We're doing it on that one, Wendy.

1:21:0.100 --> 1:21:11.530

Wendy Sue Harper (Guest)

I in thinking about how does my help us craft the BMP's, I thought that maybe me White might want to include some information like you know.

1:21:19.270 --> 1:21:19.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:21:11.540 --> 1:21:21.340

Wendy Sue Harper (Guest)

Know uh dust blown onto soil does impact soil organisms like ground beef on poker I think told us about that and that.

1:21:21.420 --> 1:21:21.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yes.

1:21:21.540 --> 1:21:33.760

Wendy Sue Harper (Guest)

Umm there there's protein in the dust, which is why the bees are attracted to it and some of the impacts on bees like I put it, affects their navigation system, that kind of thing.

1:21:33.770 --> 1:21:36.690

Wendy Sue Harper (Guest)

Just so that we have a little more information on that too.

1:21:39.540 --> 1:21:43.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so that was probably in the some of the studies we heard too, right?

1:21:45.310 --> 1:21:46.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

From Andrew monkey.

1:21:46.510 --> 1:21:50.960

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, like the the impact on the soil.

1:21:51.930 --> 1:21:52.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh yeah.

1:21:54.470 --> 1:21:57.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, again, so we can make sure we get in the final report.

1:21:58.270 --> 1:21:58.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:21:58.690 --> 1:22:2.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Where do we go ahead and go around and get people to opinion about?

1:22:2.370 --> 1:22:4.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

About when do you wanna keep going?

1:22:5.180 --> 1:22:6.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You got something else to add?

1:22:8.240 --> 1:22:10.460

Wendy Sue Harper (Guest)

No, that that was all of it.

1:22:10.540 --> 1:22:11.40

Wendy Sue Harper (Guest)

Thank you.

1:22:12.30 --> 1:22:12.400

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:22:12.410 --> 1:22:12.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:22:14.450 --> 1:22:19.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Let's say, why don't we go with Laura on this topic?

1:22:21.270 --> 1:22:23.960

DiPietro, Laura

Umm yeah, just some notes to add on to that.

1:22:23.970 --> 1:22:32.220

DiPietro, Laura

I don't know if it's a value to let the world know that, Heather, you know, she they said it was like within two weeks they got fluency agents.

1:22:32.230 --> 1:22:36.190

DiPietro, Laura

So it wasn't difficult to get umm.

1:22:36.340 --> 1:22:53.450

DiPietro, Laura

However, you know they are going to do some studies and that they're going to look at it because the other thing it seemed like is that like the Halo effect conversation that we were having, that there really isn't good research on neonics into how far are that carries forward into years?

1:22:53.460 --> 1:23:2.800

DiPietro, Laura

Because if I recall, it was Canada was doing some research and it wasn't clear whether, you know, the Halo effect had had dissipated at that point.

1:23:2.810 --> 1:23:12.590

DiPietro, Laura

And so just trying to understand because they had fields, if you recall that they didn't really see the impacts, but it's like is there and instead it had been a long time.

1:23:12.600 --> 1:23:22.940

DiPietro, Laura

But is it you know, is there sort of like a, I'll call it a drift effect and or a Halo effect or anything that we need to understand to make sure that the science is done well.

1:23:28.60 --> 1:23:28.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:23:28.600 --> 1:23:30.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So what are you on that?

1:23:30.300 --> 1:23:36.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I just want to make sure I'm doing is we should put in in our recap UVM study.

1:23:36.390 --> 1:23:37.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, yeah.

1:23:37.190 --> 1:23:37.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then.

1:23:38.730 --> 1:23:42.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, the kind of the unknown?

1:23:41.180 --> 1:23:45.0

DiPietro, Laura

And just that it's easily accessible to get fluency agent.

1:23:44.600 --> 1:23:45.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ohh easily accessible?

1:23:45.840 --> 1:23:47.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep, and.

1:23:45.10 --> 1:23:47.400

DiPietro, Laura

It seems like umm.

1:23:47.990 --> 1:23:50.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then the kind of unknowns of the Halo effects right now.

1:23:53.960 --> 1:23:54.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:23:56.200 --> 1:23:56.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

John.

1:23:58.220 --> 1:24:2.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I I think I made my comments and I'm OK with those, OK.

1:24:4.770 --> 1:24:9.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, and yeah, I don't have any further and further Roy.

1:24:10.890 --> 1:24:13.110

Roy Beckford

For me, same for me, sorry.

1:24:13.600 --> 1:24:14.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's right.

1:24:16.410 --> 1:24:21.310

Ryan Rebozo

I think my thoughts were set already regarding the Halo effect and persistence in the soil, but otherwise, uh, nothing else.

1:24:22.390 --> 1:24:24.10
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK, Sarah.

1:24:26.320 --> 1:24:27.380
Owen, Sarah
Uh, no, nothing to add.

1:24:29.750 --> 1:24:30.910
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
And Amanda?

1:24:33.260 --> 1:24:34.40
Amanda St.Pierre
Nothing to add.

1:24:35.670 --> 1:24:38.130
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
No, you get tired.

1:24:41.560 --> 1:24:42.110
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:24:42.180 --> 1:24:51.770
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
One just I just point here Moore's gonna have to scoot out to go coach game.

1:24:52.40 --> 1:24:57.540
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yes, for her championship field hockey team, one game at a time.

1:24:57.550 --> 1:24:58.720
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
One game is championship.

1:24:58.840 --> 1:25:1.730
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yes, you know now.

1:25:1.770 --> 1:25:4.700
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So we're gonna transition a little bit, Jill.

1:25:5.310 --> 1:25:11.700
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I'll keep reading the things and we'll just keep the ball rolling, but just want to make that point when you see her get up and leave it, Doctor.

1:25:11.710 --> 1:25:12.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

She's mad or anything?

1:25:13.450 --> 1:25:13.880

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:25:15.600 --> 1:25:19.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So anyway, OK, so now let's move on to the next topic.

1:25:20.600 --> 1:25:22.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, this one was pretty short.

1:25:22.190 --> 1:25:35.630

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, so this topic was ways to reduce pest harborage from conservation tillage practices, and we directly asked this question of Heather Darby and of John Tooker at Penn State.

1:25:36.610 --> 1:25:53.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And what we heard was that conservation tillage practices reduce quaranteed maggot populations because the plant residues occur mainly on the surface of the soil rather than being incorporated into the soil.

1:25:53.350 --> 1:25:53.670

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Where?

1:25:53.680 --> 1:25:55.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Then decomp occurs.

1:25:55.870 --> 1:26:3.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So no, till conservation tillage practices are less attractive to the corn seed maggot because there isn't as much exposed organic matter.

1:26:4.610 --> 1:26:5.110

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm.

1:26:6.290 --> 1:26:20.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then we kind of I just put in here kind of what we talked about earlier that I wasn't up there with the scouting and that corn seed maggot populations are generally higher, the populations are higher after a legume crop is incorporated into the soil.

1:26:21.590 --> 1:26:40.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Then when grass is incorporated and then wireworm damage occurs in crops planted in fields following grass, sod and then we heard also from John took her that no till practices provide habitat for beneficial organisms so that increase in predator populations decreases.

1:26:40.870 --> 1:26:41.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The best problem?

1:26:42.270 --> 1:26:47.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so he had some tense they research that supported that.

1:26:47.40 --> 1:26:52.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then also he had that kind of no Till, Pennsylvania alliance, Pennsylvania.

1:26:52.920 --> 1:26:53.70

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

No.

1:26:53.80 --> 1:27:1.980

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Till alliance group that had some supporting data with that well I didn't have any other things other than it kind of was the.

1:27:3.360 --> 1:27:10.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's the opposite of what the topic was inferring was that conservation tillage was helping the reduced pest populations.

1:27:10.920 --> 1:27:27.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What we heard, I think we need to one comment I have is conservation tillage as a definition is still incorporating and can still I think we need to you know no till certainly we'll leave all the residue on the surface.

1:27:28.620 --> 1:27:32.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But I don't know where we wanna go in the weeds of conservation tillage.

1:27:32.700 --> 1:27:44.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is anything that leaves greater than 25% of the residue on the surface versus, but it's still has incorporation, so I guess I don't know where we want to go with that.

1:27:44.310 --> 1:28:0.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, I would be this opens up the whole practice of or the whole area of cultural practices as a way to manage pests and you know how that intersects with the the need.

1:28:1.550 --> 1:28:6.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

To use certain practices for soil erosion and nutrient management, it's a big, complex subject.

1:28:6.30 --> 1:28:23.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's a lot there, but I think for the for the purposes of the report to the legislature about this topic, what we've heard is there is a relationship between the type of tillage and the potential pests and how you manage that.

1:28:24.820 --> 1:28:27.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so that's an area that we need to flush out.

1:28:29.280 --> 1:28:29.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I don't.

1:28:29.880 --> 1:28:31.930

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's not a simple, you know yes or no.

1:28:31.940 --> 1:28:33.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's like, OK, here's what happens.

1:28:33.660 --> 1:28:36.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Here's the different scenarios, and here's what can happen.

1:28:38.660 --> 1:28:40.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So Laura.

1:28:42.0 --> 1:28:45.560

DiPietro, Laura

Yeah, I feel like this section just needs the complexity of the challenges, right?

1:28:45.600 --> 1:28:48.150

DiPietro, Laura

Cause like in essence, like there's nothing that's perfect.

1:28:49.40 --> 1:28:49.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Right.

1:28:49.300 --> 1:29:0.240

DiPietro, Laura

Vermonters don't seem to do no till and, you know, Jonathan, sort of nailing that is just like there's there's sort of like a blend of like, close to hotel but not quite notel that's done in Vermont typically.

1:29:1.500 --> 1:29:9.210

DiPietro, Laura

And we're pretty manure based AG arena like, you know, parts of the Midwest don't have manure like Vermont does.

1:29:9.220 --> 1:29:11.130

DiPietro, Laura

Like we're pretty integrated and balanced in that way.

1:29:12.330 --> 1:29:15.580

DiPietro, Laura

Umm, but you know, cover copying.

1:29:15.590 --> 1:29:27.540

DiPietro, Laura

There's a whole nother conversation that I know we don't need to get into here, but you know, if herbicide can concerns that we get on a regular basis as the agency about, you know, terminating cover crops.

1:29:27.890 --> 1:29:31.410

DiPietro, Laura

And so you either terminate them on the surface or you incorporate them.

1:29:32.150 --> 1:29:33.500

DiPietro, Laura

Umm, you know?

1:29:33.700 --> 1:29:45.700

DiPietro, Laura

So if you're incorporating manure and you're incorporating cover crops 2 practices that you know are are good for agriculture in many ways, umm, you're potentially maybe creating habitat for negative impacts on this side.

1:29:45.710 --> 1:29:58.340

DiPietro, Laura

So it's like, I don't know if I'm trying to explain that properly, but it's like anything you do, it's not gonna work completely because either it's gonna leave something on the surface or something below or create other problems with other herbicides that people complain about.

1:30:0.580 --> 1:30:9.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, that's just my comment with the conservation tillage, if you just broadly space, that is something that I think conservation tillage, like Laura said, means a lot of different things.

1:30:9.930 --> 1:30:15.440

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so the idea that conservation tillage reduces C chord Maggie, population.

1:30:15.590 --> 1:30:24.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I don't think in this area it's directly correlation to the fact that we just have everybody do conservation tillage, right, right.

1:30:24.720 --> 1:30:34.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, it's it's, you know, conservation tillage, just someone is still working two to three inches of the soil and not totally destroying the soil profile, but working in their manure, working in their cover crop.

1:30:35.520 --> 1:30:36.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's just.

1:30:36.60 --> 1:30:38.450

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, yeah, I.

1:30:38.560 --> 1:30:44.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But my my suggestion is gonna be that we we you know we call this out because we were asked to consider it.

1:30:44.20 --> 1:30:52.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

When you say, well, we really need to talk about is the interaction of tillage practices, cultural practices, and past, and just let you know, we'll explain it all.

1:30:53.300 --> 1:30:59.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

See, I would explain why it's complicated as opposed to just a simple, you know, pin in it.

1:30:59.800 --> 1:31:0.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So anyway, that's.

1:31:0.830 --> 1:31:7.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's my thoughts about that and yeah, well, is this a place that we should also put in the point about later?

1:31:8.190 --> 1:31:10.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This is where it gets into that.

1:31:10.60 --> 1:31:11.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, exactly.

1:31:11.40 --> 1:31:12.870

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So don't you go ahead and expand on that.

1:31:12.940 --> 1:31:18.770

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Well, just that seedcorn maggots and early season pets and a cold soil pest.

1:31:18.780 --> 1:31:33.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So if you can wait a little bit longer, uh, you might avoid the pest by planting later, but then the point was brought up too that it that might change the cult of ours that you get to use and you know it may not fit into the growers.

1:31:34.150 --> 1:31:38.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm, you know, feed or you know cropping.

1:31:40.730 --> 1:31:41.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Right.

1:31:41.490 --> 1:31:45.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, this is the point where you bring into all that complexity into it, right?

1:31:48.70 --> 1:31:48.450

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Amanda.

1:31:50.790 --> 1:31:51.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You know.

1:31:50.510 --> 1:31:52.220

Amanda St.Pierre

Yeah, I guess I would just agree.

1:32:5.530 --> 1:32:5.710

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:31:52.950 --> 1:32:42.430

Amanda St.Pierre

As a farmer on the ground that is trying to incorporate best management practices currently and going a

little bit above and beyond on certain fields as needed that we need to make sure that the legislature, whoever is reading the report, understands like, you know, one practice may achieve something and then it might, you might lose it on the other side because it is very complex and I think you could potentially confuse the farmers who are gonna have to implement whatever is come up with in this area that where cover cropping has always been pushed and certainly in the last 10 years and been funded and a lot of ways by the agency of AG and other agencies and our CSA and encouraged.

1:32:43.920 --> 1:32:52.410

Amanda St.Pierre

But yeah, on this side of it, it may not be the best practice to use in trying to umm, you know in this purpose.

1:32:52.420 --> 1:33:1.30

Amanda St.Pierre

So I think we just gotta be really careful in this section because I think it could do more to confuse people then and it could be taken out of context.

1:33:1.40 --> 1:33:8.300

Amanda St.Pierre

So I just would really want a lot of detail in this or you know it may reference other other notes, but.

1:33:11.800 --> 1:33:12.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:33:13.520 --> 1:33:13.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:33:14.610 --> 1:33:16.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm Roy and you wanna add to that?

1:33:19.400 --> 1:33:23.550

Roy Beckford

I don't know how we should we should the reader?

1:33:23.560 --> 1:33:26.80

Roy Beckford

Are we implying here the reader should understand?

1:33:27.660 --> 1:33:28.350

Roy Beckford

Ohm.

1:33:28.400 --> 1:33:30.450

Roy Beckford

Exactly what is bent by both.

1:33:33.80 --> 1:33:45.660

Roy Beckford

By conservation, tillage and depth of material being buried into the into the ground, there's one mentioned earlier of separately inches to three inches.

1:33:46.170 --> 1:33:46.800

Roy Beckford

Should we?

1:33:46.850 --> 1:33:47.800

Roy Beckford

Should we be?

1:33:48.370 --> 1:33:49.100

Roy Beckford

Should we?

1:33:49.530 --> 1:33:51.90

Roy Beckford

Should a reader be understanding that?

1:33:52.290 --> 1:33:53.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

No, I think we need to explain it.

1:33:55.630 --> 1:33:56.430

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Or reference it.

1:33:59.500 --> 1:34:1.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That's what I think we need to we need to.

1:34:1.790 --> 1:34:5.340

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It is complex and I think we need to spend the time to explain it.

1:34:5.780 --> 1:34:7.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So just like I mean, so you don't.

1:34:8.130 --> 1:34:9.700

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You don't want some take it out of context.

1:34:12.430 --> 1:34:13.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And have the wrong conclusion.

1:34:15.580 --> 1:34:16.360
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So drawing.

1:34:19.960 --> 1:34:20.650
Roy Beckford
That's all. I.

1:34:18.730 --> 1:34:20.820
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
I mean, is that answer your question really?

1:34:21.580 --> 1:34:22.810
Roy Beckford
Yeah, that's that's all I.

1:34:22.960 --> 1:34:24.460
Roy Beckford
That's all I have to to add to the.

1:34:25.470 --> 1:34:26.760
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah, Wendy.

1:34:28.830 --> 1:34:30.90
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Just thoughts on this part of it.

1:34:35.30 --> 1:34:41.550
Wendy Sue Harper (Guest)
I I agree with conversation that we've had so far about the complexity and we really do need to explain it.

1:34:43.460 --> 1:34:44.130
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yeah.

1:34:44.260 --> 1:34:44.670
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:34:44.680 --> 1:34:46.30
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thank you, Brian.

1:34:48.210 --> 1:34:49.20
Ryan Rebozo
Same here.

1:34:49.30 --> 1:34:51.60

Ryan Rebozo

I think you know this becomes a recommendation.

1:34:51.70 --> 1:34:52.600

Ryan Rebozo

They could benefit from better explanation.

1:34:54.620 --> 1:34:55.150

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:34:55.580 --> 1:34:56.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And sure.

1:34:59.940 --> 1:35:6.790

Owen, Sarah

Uh, no, nothing to add except umm, I also have to step out about 2:45 and then I can come back around 3:15 if it's still on.

1:35:7.730 --> 1:35:8.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, great.

1:35:8.510 --> 1:35:8.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:35:11.100 --> 1:35:11.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:35:11.400 --> 1:35:19.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Anything else that I have on this is obviously this is something that when we when we put this together, they're gonna be careful reading and and questions.

1:35:19.140 --> 1:35:21.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And, umm, what?

1:35:21.760 --> 1:35:40.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Ideally, we'll have a fair amount of time for folks to go back and forth and I'll just say this, I think I think the process of reading and evaluating ports going to have to happen outside the meetings, I think it's going to have to be a A you know we we sent it to everybody.

1:35:40.950 --> 1:35:42.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Everybody gets a chance to look at it.

1:35:42.290 --> 1:35:47.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We go back and forth a few times because I think we just won't have enough time to to have a meeting about it.

1:35:48.470 --> 1:35:50.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So just that's something to be prepared for, I guess.

1:35:51.770 --> 1:35:55.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh for board members to be looking at it.

1:35:57.150 --> 1:36:10.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so now we go to the last group, the left by item, which was a criteria for a system of approval of neonicotinoid treated seeds and take away more.

1:36:10.930 --> 1:36:11.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:36:12.70 --> 1:36:13.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So this one I know we kind of.

1:36:14.660 --> 1:36:21.50

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh waffled about the true intent of this topic.

1:36:21.640 --> 1:36:48.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think how we interpreted it as a board was was everybody else done or doing so that's kind of what the key takeaways capture here is hearing from Gene Harrington who's with us today about what other states have done for laws and regulations or even upcoming for neonicotinoids.

1:36:48.850 --> 1:36:57.950

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We have a summary table based on what he presented to us, but then also on the Canada side, we heard from Tracy Bowdy, Emily Bergeron.

1:36:59.750 --> 1:37:6.690

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If you Scroll down and then I talked with the the PM RA as far as federal level.

1:37:7.630 --> 1:37:10.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I started Canada federal level.

1:37:10.910 --> 1:37:22.770

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There one requirement that came out of that timeline that was instigated in 2012 by the high incident of be mortality was that the requirement of.

1:37:24.730 --> 1:37:34.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Using a seed lubricant during planting that is not talc or graphite so prohibits the use of talcum graphite as the lubricants.

1:37:37.290 --> 1:37:42.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And I just put some links in there of where that is on on the PM Array website.

1:37:44.560 --> 1:37:56.890

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So going then to the provincial level in Canada, so Ontario, we heard, so they had some regulations that required I PM certification where they netted out to.

1:37:56.900 --> 1:38:14.840

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So currently that regulation is just a one time no expiration date for that ICM certification and then the PEST assessment report, which is kind of a formalized scouting report also now is only a one time requirement and has no expiration date.

1:38:15.390 --> 1:38:22.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think what we heard was they had more regulations than this and they got scaled back to then.

1:38:22.870 --> 1:38:36.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Now this is the current regulations in Ontario and then also so those two things are used to gain access to Munich treated seeds on an entire farm and it used to be just a section of the farm.

1:38:37.770 --> 1:38:49.650

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I think the key takeaway that I tried to summarize what the the requirements placed on farmers and the technical service providers by the regulations were too burdensome to administer the program.

1:38:49.660 --> 1:38:51.30

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so then they were scaled back.

1:38:52.830 --> 1:39:6.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I also then an effective those regulations was that growers transitioned to dynamite treated seeds because they did not have and the same barriers to to use.

1:39:8.300 --> 1:39:11.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So ohh, so these are some staff.

1:39:11.300 --> 1:39:20.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So, so 35% reduction and you need to seed used by 2018 43% for soybean and 2018.

1:39:22.360 --> 1:39:31.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And but then we also saw yields Ontario yields for corn and soybean did not see any significant changes from 15 to 22.

1:39:33.350 --> 1:39:34.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So I'm going to Quebec.

1:39:34.830 --> 1:39:47.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Their requirement is a requirement placed on farmers that they needed to obtain, almost like a prescription from a certified agronomist following an agronomic assessment.

1:39:47.850 --> 1:39:50.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So they look at the types, the region, organic mass.

1:39:53.70 --> 1:39:59.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Crop rotation and then they assign whether it's low, moderate or high risk and so new.

1:39:59.580 --> 1:40:9.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Which seed treatments were only justified on the farms that were assigned as high risk by this prescription, and that prescription was only valid for one year?

1:40:10.710 --> 1:40:13.610

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So similar thing.

1:40:13.620 --> 1:40:18.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I think we heard is requirements are burdensome and have a high impact on resources.

1:40:18.100 --> 1:40:26.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So both the growers government and the these certified agronomists so resulted in a dramatic reduction in the use of Munich treated seeds.

1:40:27.340 --> 1:40:29.460

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so we saw Munich.

1:40:29.510 --> 1:40:44.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We heard this stat that Munich treated corn seed used in Quebec has dropped 2.5% umm by 2021 and in 2015 it was nearly two seats were used in 100% of the cases.

1:40:44.800 --> 1:40:49.270

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the transition went to dye my treated seeds in Quebec as well as Ontario.

1:40:49.840 --> 1:40:57.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then I put the New York I'm kind of details of the New York bill that was passed in here.

1:40:57.380 --> 1:41:14.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I did put in here that it is waiting for the governor's signature, so it's passed by the Assembly about so prohibits the sale distribution or purchase of corn, soybean or wheat seeds treated with these are the new nexplanon in the middle methoxy.

1:41:14.510 --> 1:41:26.120

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And if you're in or submit period starting January 1st, 2027 and then the sub bullets here are what she was just calling out.

1:41:26.130 --> 1:41:29.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it authorizes the the Commissioner.

1:41:32.60 --> 1:41:35.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm to temporarily suspend that prohibition.

1:41:35.340 --> 1:41:48.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

If there is insufficient amount of commercially available seed to adequately supply the egg market, that is not treated with you and Nicks, or if the purchase of the seed that complies with these requirements would result in undue financial hardship.

1:41:49.700 --> 1:41:59.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then the bill that was passed also has by October 1st each year, the Commissioner shall publish a written directive as to whether there is a temporary suspension for the next year.

1:42:1.500 --> 1:42:6.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then written into the bill is also something that will give more information for everybody.

1:42:6.870 --> 1:42:33.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So it does say that the equivalent of PC, so they're Environmental Conservation Department shall conduct a study with Department of AG and New York Land Grant University and State University of New York Umm to identify practical and feasible alternatives in Unix and submit the results of that study to the legislature and the government and the governor by January 1st, 2026.

1:42:33.180 --> 1:42:41.190

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So those are just some details in that in New York, bill, if I wanted to put those out there, I do and I with that audio.

1:42:42.990 --> 1:42:43.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So what?

1:42:43.810 --> 1:42:44.600

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What's your team?

1:42:44.650 --> 1:42:46.550

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

My pilier, Solon, Solon.

1:42:47.930 --> 1:42:48.260

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Alright.

1:42:48.270 --> 1:42:48.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thanks guys.

1:42:48.890 --> 1:42:49.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Thank you.

1:42:49.450 --> 1:42:51.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I will listen in to you the recording.

1:42:51.490 --> 1:42:52.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:42:52.270 --> 1:42:56.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Alright, what is your team stolen?

1:42:56.710 --> 1:42:57.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:42:58.170 --> 1:43:2.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

It's like a wise yeah, those lol.

1:43:2.200 --> 1:43:18.860

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, it's impersonated as an owl in in a matchup, but it was OK, well, let's go ahead and have a discussion then on this topic, which was, you know, essentially what other folks have ended up doing on this topic and how that potentially.

1:43:20.740 --> 1:43:24.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Reflects with what we're gonna recommend to the legislature.

1:43:24.600 --> 1:43:26.90

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So or to the Secretary of war.

1:43:26.780 --> 1:43:38.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So let's go ahead and first of all as it is there anything that we should have captured here that we did because they want aware of anything that would be permanent.

1:43:43.490 --> 1:43:43.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:43:44.10 --> 1:43:45.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

See any hands?

1:43:45.150 --> 1:43:48.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So let's go ahead and we'll just go down the list area.

1:43:48.690 --> 1:44:6.290

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Jonathan, do you think I think we I address this, I mean if we we're going to the legislature they said we wanted you to consider this and we say well what we did is we looked at what other people are doing and I mean yeah, so you just want it's it is what it said.

1:44:6.560 --> 1:44:8.420

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I OK.

1:44:8.460 --> 1:44:14.700

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, Wendy, I think we have to add here or I think we gotta tell the legislature about this, for them to consider.

1:44:23.910 --> 1:44:24.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:44:15.350 --> 1:44:32.10

Wendy Sue Harper (Guest)

So I'm not sure if the legislature will buy our interpretation of this one of what other people did, and I I do think we could come up with some principles ourselves and I written down a few thoughts.

1:44:33.640 --> 1:44:36.530

Wendy Sue Harper (Guest)

Our response will be based in science.

1:44:36.900 --> 1:44:41.570

Wendy Sue Harper (Guest)

It will recognize the complexity of the situation.

1:44:42.120 --> 1:44:49.160

Wendy Sue Harper (Guest)

It will it integrate cultural practices with mechanical practices and use and that sort of thing.

1:44:50.670 --> 1:45:1.380

Wendy Sue Harper (Guest)

It will provide support for farmers either dollar or yeah, through, you know, people in extension working with them and not be too burdensome.

1:45:1.690 --> 1:45:3.300

Wendy Sue Harper (Guest)

Those are some ideas anyways.

1:45:6.40 --> 1:45:7.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You have send those to us.

1:45:10.340 --> 1:45:10.790

Wendy Sue Harper (Guest)

Sure.

1:45:10.800 --> 1:45:12.50

Wendy Sue Harper (Guest)

By email you mean?

1:45:14.490 --> 1:45:15.740

Wendy Sue Harper (Guest)

OK, I'll eat.

1:45:12.370 --> 1:45:15.760

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, you can email to Morgan, so we can.

1:45:15.750 --> 1:45:17.30

Wendy Sue Harper (Guest)

I'll email those to Morgan.

1:45:18.450 --> 1:45:19.140

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:45:19.710 --> 1:45:20.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Appreciate it.

1:45:20.550 --> 1:45:22.70

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Appreciate that, Anne.

1:45:23.120 --> 1:45:27.520

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm my only I think we captured it has also complicated.

1:45:27.820 --> 1:45:33.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Do we know how much more it is to use the dynamite tree speed compared with?

1:45:36.320 --> 1:45:41.640

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We we can investigate that double or cost cost of dynamite.

1:45:41.650 --> 1:45:42.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:45:42.10 --> 1:45:42.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

See, we'll.

1:45:42.740 --> 1:45:43.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

We'll find out.

1:45:43.530 --> 1:45:46.530

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, there are some seed treatments available now.

1:45:46.540 --> 1:45:48.770

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, that are used.

1:45:48.780 --> 1:45:53.10

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That includes guidelines right now, but they're more expensive that I don't know.

1:45:53.20 --> 1:45:59.180

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean, I think that was mentioned, I don't know, I mean there was the one the one seat tag you gave us had diamide yeah.

1:45:59.190 --> 1:46:3.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So basically they're using it in combination with and.

1:46:3.380 --> 1:46:8.390

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There is no difference, but they have substantially lowered the neonet rate.

1:46:8.480 --> 1:46:9.130

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, right.

1:46:9.220 --> 1:46:11.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And that's how they did it, right?

1:46:11.590 --> 1:46:16.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

By adding another active ingredient, they're able to lower whichever which she treatment.

1:46:16.500 --> 1:46:18.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

That was that one blue would be.

1:46:18.750 --> 1:46:20.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, yeah.

1:46:22.720 --> 1:46:34.20

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But it still has me on neck and it it's not like instead of like 500 or you know there's points or something five it's half of that is what they use in the NEO side.

1:46:34.70 --> 1:46:36.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, I know what brand of Gaucho.

1:46:36.690 --> 1:46:43.480

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But do you have a rate as as those that or other brands that don't use that?

1:46:45.860 --> 1:46:48.150

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, Roy.

1:46:50.970 --> 1:46:51.910

Roy Beckford

Yeah.

1:46:52.560 --> 1:46:55.440

Roy Beckford

Good job, Wendy putting that together.

1:46:55.750 --> 1:47:6.950

Roy Beckford

But I I think generally speaking though, we're also saying that to a large degree, the jury is still out and we're basically.

1:47:8.760 --> 1:47:10.720

Roy Beckford

Observing the jewelry.

1:47:13.330 --> 1:47:17.20

Roy Beckford

In the Canadian context and the New York context.

1:47:18.230 --> 1:47:30.10

Roy Beckford

Umm, I don't know if it's too early in the game to to draw conclusions from the from the dynamite study as well.

1:47:30.840 --> 1:47:47.150

Roy Beckford

But you know, I think with the I think what what what this has done is that it's summarized all of whom are working on on this issue and to some degree that you result in in one in the newer client case until 2026 when recommendations are made to the governor.

1:47:50.840 --> 1:47:51.90
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:47:50.980 --> 1:47:53.950
Roy Beckford
Not sure if there's much I much else I have.

1:47:55.480 --> 1:47:56.610
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Good, Ryan.

1:47:58.500 --> 1:48:0.470
Ryan Rebozo
I I don't have anything to add for this session. Thanks.

1:48:1.330 --> 1:48:1.760
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:48:2.390 --> 1:48:2.790
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Sarah.

1:48:3.780 --> 1:48:4.50
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Ohh.

1:48:4.60 --> 1:48:7.280
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Sarah said that uh, Amanda.

1:48:8.940 --> 1:48:14.40
Amanda St.Pierre
No, I agree with Royce edition on that, but nothing else to add.

1:48:15.670 --> 1:48:15.980
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Good.

1:48:16.830 --> 1:48:17.730
b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
And what?

1:48:19.700 --> 1:48:21.620
DiPietro, Laura
Umm, this is for section G, right?

1:48:22.150 --> 1:48:22.830

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep, Yep.

1:48:23.280 --> 1:48:45.460

DiPietro, Laura

Yeah, I guess it's just overall concern, you know, seeing being a regulator and trying to figure out how you regulate things, you've got to make sure that the regular bowl and you know some of the suggestions that are out there could be really difficult to regulate, you know, like what were you were doing at the time of planting or, you know.

1:48:47.320 --> 1:48:50.730

DiPietro, Laura

It just it was the wind blowing, like those kinds of recommendations.

1:48:50.740 --> 1:48:58.630

DiPietro, Laura

I'm sure we'll come back up in some space again of like umm, you know how the conditions were at the time that you were doing it.

1:48:58.640 --> 1:49:7.460

DiPietro, Laura

And I just think you know, while those were interesting concepts for recommendations, I don't know that they're easily regulable across all of Vermont.

1:49:9.700 --> 1:49:17.750

DiPietro, Laura

And I just think that there is still like I'm, I'm struggling with some of the challenges for understanding what EPA is going to do going forward.

1:49:17.760 --> 1:49:28.900

DiPietro, Laura

And I don't think you really have all that in this section, right because EPA is is moving forward with trying to figure out what to do in some of the space as well.

1:49:28.910 --> 1:49:38.650

DiPietro, Laura

And so one of those challenges of, you know, Vermont being ahead of EPA and then EPA doing something that doesn't align would be a challenge for farmers.

1:49:39.140 --> 1:49:45.680

DiPietro, Laura

Umm, so making sure we integrate anything in this section about what they're doing related to seed labels.

1:49:47.990 --> 1:49:48.270

DiPietro, Laura

Umm.

1:49:48.810 --> 1:49:55.70

DiPietro, Laura

And the last thing is again, I go back to just trying to understand, you know, like scouting and all of those things.

1:49:56.0 --> 1:49:57.470

DiPietro, Laura

They don't sound like they're that fruitful.

1:49:57.480 --> 1:50:2.30

DiPietro, Laura

They we've seen in Canada that they've, you know, kind of backed off on some of that at some level.

1:50:4.210 --> 1:50:15.800

DiPietro, Laura

But I I really don't fundamentally understand if that is just an issue with some of these have long half lives and they've they're still persistent in the environment and so therefore the pest pressure is reduced.

1:50:16.940 --> 1:50:27.90

DiPietro, Laura

And again, like some of my notes that I have suggested, some of them could be 19 year, half life like that's a very long time to have a understanding of whether that's still having an influence or not.

1:50:29.570 --> 1:50:31.750

DiPietro, Laura

Umm and I had one more thing which I just forgot.

1:50:35.650 --> 1:50:36.410

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

You. You can.

1:50:35.240 --> 1:50:36.730

DiPietro, Laura

Anyways, if it comes to me, I think of it, but.

1:50:37.90 --> 1:50:37.810

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah, yeah.

1:50:37.820 --> 1:50:38.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I mean when you think?

1:50:40.790 --> 1:50:41.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:50:41.170 --> 1:50:59.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we've, we've gone through the list of of the the topics that the board was tasked with tasing and we've recapped what we've heard and we start to, it appears to me anyway we started the process of trying to figure out what the BMP should should have in.

1:51:1.590 --> 1:51:15.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There's one additional thing we need to do, and I think what I've proposed doing is for the next meeting, I'm gonna set this up for something that we'll talk about that next meeting and then we'll talk about possible BMP.

1:51:15.950 --> 1:51:28.360

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And I think we'll be prepared to bring based on this discussion and other discussions with that, we'll be prepared to bring kind of a a framework of of BMPS for the board to consider and react to.

1:51:30.60 --> 1:51:33.641

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

But the first thing we need to do, and actually Jill, if you could go to.

1:51:35.930 --> 1:51:37.910

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Or maybe I'll share my screen and might be easier.

1:51:42.580 --> 1:51:47.210

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So in the the treated articles amendments, let's see can I share my screen?

1:51:49.530 --> 1:51:50.540

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Let's see if that works.

1:51:54.980 --> 1:51:55.570

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is that working?

1:51:56.420 --> 1:51:57.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yeah.

1:51:57.530 --> 1:52:27.0

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Hey, it worked OK, so in the amendments to chapter six that established the Agricultural Innovation Board, gave us the charge work the first, the first part of it says that the Secretary, upon recommendation of the aggravation board, may adopt by rule best management practices, standards, procedures and requirements relating to the sale, use, storage or disposal of treated articles.

1:52:27.550 --> 1:52:29.750

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

The and this is the key part of it here.

1:52:29.760 --> 1:52:46.310

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

This is the key phrase, the use of which the Agricultural Innovation Board has determined will have a hazardous or long term deleterious effect on the environment, presents a likely risk to human health or is dangerous.

1:52:46.630 --> 1:52:56.940

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So in other words, the the threshold for making your recommendation is that the aid has to make a determination that.

1:52:57.900 --> 1:53:8.330

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Uh, these treated seeds have or hazardous have a long term effect or or a new a risk to human health or a dangerous.

1:53:8.640 --> 1:53:16.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're not going to answer that question right now, but you need to be thinking about that because that's the question that we'll address at the next meeting, OK.

1:53:17.170 --> 1:53:20.970

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So the next meeting will, will, will you know?

1:53:22.970 --> 1:53:27.460

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Pose that question and have a discussion about it based on everything we've heard so far.

1:53:27.710 --> 1:53:28.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK.

1:53:28.690 --> 1:53:32.200

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we're not gonna talk about now, but just be prepared and I'll make sure it's sincere.

1:53:32.210 --> 1:53:33.920

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Is missing this part of our.

1:53:33.930 --> 1:53:38.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'll call her and make sure she knows it's coming, but that'll be the first thing we do.

1:53:38.900 --> 1:53:52.380

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

So we see if we hit that threshold for making that determination and again, we're not voting, we'll just, we're gonna get everybody's opinion and present those opinions to the Secretary, OK.

1:53:55.260 --> 1:54:10.320

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And then the second thing we'll do is, like I said, we've got, we'll, we'll take everything together as a staff and we'll come forward with a framework for a set of recommendations for the board to consider.

1:54:10.670 --> 1:54:22.490

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so with that, I'd like to go ahead and open it up now for unless unless the board member has something they wanna say right now or or topic, they want to bring up, we'll go ahead and open it up for public comment.

1:54:24.120 --> 1:54:26.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Umm is that OK with board members?

1:54:27.990 --> 1:54:28.300

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Yep.

1:54:28.310 --> 1:54:28.820

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

See nothing.

1:54:28.830 --> 1:54:30.500

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

OK, so let's go ahead and open it up.

1:54:30.510 --> 1:54:33.730

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'll go ahead and stop sharing and.

1:54:36.90 --> 1:54:37.230

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

What is the price of word?

1:54:40.930 --> 1:54:41.680

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

There we go.

1:54:42.50 --> 1:54:46.590

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

And so now it's open for public time and we have members of the public here so.

1:54:49.130 --> 1:54:51.100

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Any any public comment or questions?

1:54:53.560 --> 1:54:54.160

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
For the board.

1:55:8.30 --> 1:55:8.740

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
OK.

1:55:9.90 --> 1:55:9.660

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Yes Sir.

1:55:10.370 --> 1:55:11.280

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Alright guys.

1:55:11.390 --> 1:55:12.60

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thank you very much.

1:55:12.70 --> 1:55:14.720

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Listen, I wanna appreciate the hard work everybody's doing and the.

1:55:18.730 --> 1:55:27.370

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
This is, you know, good work folks and and I appreciate everybody's attention and think good thinking and umm, well, I think we're on progress.

1:55:27.460 --> 1:55:31.850

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
You know, we're on on the way to get where we need to go as far as what we're supposed to be doing.

1:55:31.860 --> 1:55:34.170

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
So I really appreciate everybody's attention.

1:55:34.270 --> 1:55:34.620

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3
Thank you.

1:55:37.360 --> 1:55:37.670

DiPietro, Laura
Thanks.

1:55:37.680 --> 1:55:40.100

DiPietro, Laura
And Steve, I remembered my comment and I put it in the chat for you.

1:55:43.220 --> 1:55:45.780

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

Alright, alright guys.

1:55:50.30 --> 1:55:50.510

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I have it.

1:55:51.100 --> 1:55:52.470

b93db3cd-d8b8-44f0-9f9a-f9aee1ea85f3

I'm going to close it off and.

1:55:54.760 --> 1:55:55.740

DiPietro, Laura

Thanks everyone. Bye.