

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

U.S. ENVIRONMENTAL PROTECTION AGENCY

PESTICIDE PROGRAM DIALOGUE COMMITTEE MEETING

Thursday, November 16, 2023

9:30 a.m.

DAY 2

1 PESTICIDE PROGRAM DIALOGUE COMMITTEE ROSTER

2 NOVEMBER 2023

3 NAME

AFFILIATION

4 User/Grower Groups/ Farmer Representatives

5 Amy Asmus

Weed Science Society of
6 America

7 Jim Fredericks

National Pest Management
8 Association

9 Mark Johnson

Golf Course Superintendents
10 Association of America

11 Patrick Johnson

National Cotton Council

12 Dominic LaJoie

National Potato Council

13 Lauren Lurkins

Illinois Farm Bureau

14 Tim Lust

National Sorghum Producers

15 Bob Mann

National Association of
16 Landscape Professionals

17 Gary Prescher

National Corn Growers
18 Association

19 Caleb Ragland

National Soybean Association

20 Damon Reabe

National Agricultural
21 Aviation Association

22 John Wise

IR-4 Project

23

24

25

1	NAME	AFFILIATION
2	Environmental/ Public Interest/ Animal Welfare Groups	
3	Nathan Donley	Center for Biological
4		Diversity
5	Jessica Ponder	Physicians Committee for
6		Responsible Medicine
7	David Shaw	Mississippi State University
8	Alexis Temkin	Environmental Working Group
9		Alternatives to Pesticides
10		
11	Farmworker Representatives	
12	Becca Berkey	Community-Engaged Teaching
13		and Research Program
14		Northeastern University
15	Lauren Dana	Legal Aid Chicago
16	Mayra Reiter	Farmworker Justice
17	Mily Treviño-Sauceda	Alianza Nacional de
18		Campesinas, Inc.
19		
20	Public Health Representatives	
21	Joseph Grzywacz	Department of Family and
22		Child Sciences Florida State
23		University
24	Aaron Lloyd	Lee County Mosquito Control
25		District

1	NAME	AFFILIATION
2	Marc Lame	Indiana University's O'Neill
3		School of Public and
4		Environmental Affairs
5		
6	Chemical and Biopesticides Industry/Trade	
7	Associations	
8	Manojit Basu	CropLife America
9	Steven Bennett	Household and Commercial
10		Products Association
11	Lisa Dreilinger	Reckitt Benckiser
12	Keith Jones	Biological Products Industry
13		Alliance
14	Karen Reardon	RISE, Responsible Industry
15		for a Sound Environment
16	Charlotte Sanson	ADAMA
17	Anastasia Swearingen	American Chemistry Council
18		
19	State/Local/Tribal Government	
20	Jasmine Brown	Tribal Pesticide Program
21		Council
22	Dawn Gouge	Arizona Experiment Station
23		University of Arizona
24		
25		

1	NAME	AFFILIATION
2	Megan Patterson	Maine Department of
3		Agriculture, Conservation
4		and Forestry
5	Dave Tamayo	County of Sacramento
6		Department of Water
7		Resources
8	Wendy Sue Wheeler	Pesticide Resources and
9		Education Program,
10		Washington State University
11		
12	Federal Agencies	
13	Walter Alarcon	National Institute for
14		Occupational Safety and
15		Health Centers for Disease
16		Control and Prevention
17	Cameron Douglass	Office of Pest Management
18		Policy, US Department of
19		Agriculture
20	Charlotte Liang	Division of Plant Products
21		and Beverages, US Food and
22		Drug Administration
23	Ed Messina (Chair)	Office of Pesticide Programs
24		Environmental Protection
25		Agency

1	NAME	AFFILIATION
2	Cathy Tortorici	Endangered Species Act
3		Interagency Cooperation
4		Division
5		National Oceanic and
6		Atmospheric Agency

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

1 P R O C E E D I N G S

2 DAY TWO - NOVEMBER 16, 2023

3 ED MESSINA: Welcome, everyone. Hello?

4 Okay. So we are going to do the Spanish translation
5 now. Are we geared up to do that? Do we have to
6 repeat everything?7 Okay. Nobody heard? All right. So
8 virtually we are now connected. We're going to give
9 you instructions on how to access the language
10 channel for Zoom.

11 [Spanish instructions]

12 HOUSEKEEPING

13 JEFFREY CHANG: CART services are also
14 available virtually and that can be accessed through
15 the interpretation button to select Spanish
16 translation.17 The following instructions are for those
18 who are attending the meeting in person.
19 Translation services can be requested in the back of
20 the room. Headsets are available for those who need
21 them. There is an ASL interpreter in front of this
22 room and screen. Headsets are available for people
23 who are hard of hearing. Please see Michelle.24 If you are a member of the public, unless
25 you indicated interest in providing oral comments

1 when you registered for today's public meeting, you
2 will be in listening mode for the duration of the
3 event. If you did not preregister for comment, you
4 may still email Michelle or use the raise hand
5 function once we come to the public comment period
6 at the end of the day.

7 Virtual PPDC and workgroup co-chairs are
8 designated as panelists in Zoom, meaning that they
9 can request to be recognized during the discussion
10 sessions by using the raise hand function and can
11 unmute themselves after being called upon. It is
12 very important that you remain muted unless you are
13 recognized to speak. And for people in the room, we
14 will start with you guys in the room first and then
15 go virtually.

16 Today's meeting is being recorded for the
17 purpose of having meeting transcripts produced. We
18 ask that all presenters speak slowly and clearly to
19 ensure everyone can understand and participate fully
20 in the meeting.

21 Conversations should take place orally.
22 The chat function should only be used to contact the
23 meeting host.

24 Some conference room information,
25 restrooms are in the back of the conference center.

1 There's a water-filling station in the pantry.
2 Please do not leave the conference center without an
3 EPA escort. We have refreshments in the Boston
4 Room, and if you need to take a call, please go to
5 the Great Lakes Room.

6 Let's take a minute to walk through
7 today's agenda. Our morning sessions kick off with
8 an update from the Emerging Pathogens Implementation
9 Committee, then the Pesticide Resistance Management
10 Workgroup. We will take a short break, then
11 continue on with an update on bilingual labeling and
12 other environmental justice issues. We will break
13 from lunch from 12:00 to 1:30, then reconvene with
14 an open discussion and topics moving forward. We
15 have a period for public comments, and then the
16 meeting adjourns.

17 With that, Ed, would you like to share
18 anything with the group before we launch into our
19 first session?

20 ED MESSINA: Thanks for a great session
21 yesterday. We've got a lot of great folks talking
22 on the agenda today. Thanks for the respectful
23 conversation yesterday and let's keep it going, keep
24 the exchange going. I thought it was really great.
25 I think it is a testament to being in person as

1 well. So don't be shy about turning that tent card
2 up and thanks for many of you who have done that
3 already. So thanks.

4 With that, we can get started.

5 JEFFREY CHANG: We are going to kick
6 things off with an update from the Emerging Pathogen
7 Implementation Committee for which I am joined by
8 Tajah Blackburn, Senior Scientist, Antimicrobials
9 Division in OPP; Anastasia Swearingen, Senior
10 Director of the American Chemistry Council; and
11 Rhonda Jones, CEO of Scientific and Regulatory
12 Consultants, Incorporated. Welcome all.

13 EMERGING PATHOGEN IMPLEMENTATION COMMITTEE UPDATE

14 TAJAH BLACKBURN: Good morning, my name is
15 Tajah Blackburn. I'm a Senior Scientist in the
16 Antimicrobials Division Efficacy Branch.
17 Additionally, I serve as one of the chairs for the
18 Emerging Pathogen and Implementation Committee,
19 EPIC, because we truly are epic in what we do.

20 Along with Rhonda Jones seated to my right
21 and Anastasia Swearingen, we will provide an update
22 of the EPIC workplan accomplishments over the last
23 six months.

24 All right. So what we do for each of
25 these updates is I just provide a brief context as

1 to what the group has accomplished and how we got to
2 this point, and the impetus and origination of the
3 group and the membership of the particular group,
4 and then, lastly or next to last, we will provide
5 updates for the respective groups and then, finally,
6 end with a question to the PPDC.

7 It's always a pleasure to provide these
8 updates and I'm always excited about the work that
9 is accomplished over the operational year.

10 So the initial workgroup was
11 conceptualized and proposed to PPDC in the fall of
12 2020 by the Centers for Biocide Chemistry. The
13 original proposal envisioned a group charged with
14 conducting a retrospective analysis of EPA's
15 antimicrobial response to the COVID-19 pandemic.

16 From concept to reality, the formation of
17 the official initial group, the Emerging Pathogen
18 Workgroup occurred in December 2020 with the first
19 meeting occurring in early 2021. The initial group
20 consisted of 20 persons from regulated industry,
21 academia, trade associations, regulatory and
22 technical consultants, the transportation industry,
23 and from the Centers for Disease Control and
24 Prevention, CDC.

25 These 20 members worked diligently to

1 address four charge questions through biweekly
2 meetings over a two-year span. At the workgroup
3 sunset, greater than 85 recommendations were given
4 to EPA AD to consider and prioritize, and if
5 adequately developed, implement.

6 Within the Antimicrobials Division, we did
7 just that. We prioritized all 85 recommendations
8 and the results of that exercise were presented in
9 the Spring 2022 meeting. During the same meeting,
10 PPDC voted to, number one, for a new workgroup to
11 refine and develop and provide a pathway for
12 implementation and, secondly, expand the workgroup
13 to consider additional antimicrobial pathogens.

14 So with this vote from PPDC and the ask to
15 expand the antimicrobial landscape, EPIC was formed
16 in July 2022 for a two-year commitment. The
17 implementation group in its first operational year
18 has focused on the EVP guidance through the
19 technical workgroup, identifying communication and
20 education gaps from sectors that use the
21 antimicrobial products through the communication and
22 education workgroup, and then with the policy
23 workgroup really focus on policies centric to EVP
24 and consider other policies for label claims.

25 Small workgroups have been formed to

1 really develop the prioritized recommendations
2 around the EVP, the communication and educational
3 gaps, and the policy enhancement formation. These
4 small workgroups are always book-ended by larger
5 EPIC meetings to share the happenings so that the
6 information is shared throughout the larger body.

7 This slide identifies the EPIC membership
8 and it signifies the continued diversity in
9 membership across industry, federal agencies, trade
10 associations, and consultants. It is important to
11 note that some of the current members are held over
12 from the previous group, holdovers from the Emerging
13 Pathogen Workgroup. They actually stayed on,
14 because I guess they had such a good time the first
15 time, for the EPIC group as well.

16 Significant milestones were accomplished
17 this year by the technical small workgroup in May.
18 The technical workgroup provide revisions to the
19 Emerging Viral Pathogens Guidance to EPA for
20 consideration. In the next couple of weeks, we will
21 be briefing our Antimicrobial management regarding
22 those changes and modifications to the Emerging
23 Viral Pathogens Guidance going forward and options
24 for those implementations.

25 So now let's delve into the small

1 workgroup updates. In addition to chairing the
2 larger group, I chair the small workgroup as it
3 relates to communication and education. This
4 workgroup's membership is provided on the slide with
5 their respective affiliations, et cetera. So very
6 diverse, from a lot of different walks, and we have
7 done some work for this the last six months.

8 To provide some context, the original
9 charge question addressed by the initial Emerging
10 Pathogen Workgroup was to provide a deep dive into
11 the education or the educational needs during a
12 pandemic or other emergencies for the public, end
13 users, and other regulating authorities. The
14 retrospective -- the issue of conducting the
15 retrospective analysis was that there was
16 ineffective messaging across several sectors due to
17 information and educational gaps. So our response
18 was to develop targeted information to address those
19 gaps through having discussions, surveys, et cetera,
20 in order to identify what those particular gaps
21 consisted of.

22 So to better understand those gaps,
23 initially what we wanted to do, we were really
24 ambitious, we wanted to go out and conduct surveys.
25 So all the sectors or most of the sectors that use

1 antimicrobial pesticides, we decided we were going
2 to send out this ten-question survey and really get
3 a lot of information about the strengths and
4 weaknesses around EPA's antimicrobial response
5 during the COVID-19 pandemic. We realized early on
6 that that was pretty ambitious, and so if we wanted
7 to get something accomplished within a reasonable
8 timeframe, we had to really be creative in how we
9 approached this.

10 So we started to look at the literature
11 because guess what, a lot of surveys were conducted
12 during this period of time. So we looked at the
13 literature, we had conversations. We had a lot of
14 conversations with hotel chains, our other sister
15 agencies, to just really understand what we did well
16 and what we didn't do well and how we could do
17 things better going forward.

18 We had emails. Emails came in regarding
19 the proper use of disinfectants during the season
20 and the challenges that were encountered from
21 prolonged use and the frequency of use and all these
22 different things, and then other resources. And
23 those other resources consisted of maybe outreach,
24 informal communication back to the group, et cetera.
25 So we had a very, I guess, diverse sampling of

1 information as it related to the sectors that use
2 the antimicrobial products, so not just survey-
3 centric.

4 So this is just a clear snapshot of the
5 different sectors that we gathered information from.
6 So as you can see, very, very diverse, a lot of
7 information gathered, a lot of not necessarily
8 surprising information gathered, but a lot of
9 recurring themes; a lot of information that
10 regardless of sector, individuals expressed that
11 this was a concern through the use of antimicrobial
12 pesticides during the pandemic.

13 So these were just -- this is just the
14 crux of the conversation. There were four major
15 themes that were identified, regardless of sector.
16 Some of these overlap more consistently with the
17 sectors, but a lot of these were just the recurring
18 themes that I was just really, really surprised
19 about. I thought we would really get into, you
20 know, more of the nitty-gritty. But these were a
21 lot of overarching, high-level concerns as it
22 related to the use of antimicrobial pesticides
23 during the COVID-19 pandemic.

24 The first one was exposure issues,
25 overuse, frequency of use. Is there a way that a

1 worker protection standard could be developed for
2 antimicrobial pesticides? So just a lot of concerns
3 about overuse, overexposure of antimicrobial
4 pesticides during the season.

5 The next one is one that we see even
6 outside of the pandemic, this confusion and
7 misinterpretation of the use of disinfectant, the
8 terms "disinfectants" and "sanitizers." What do
9 they mean? How can we better describe those for the
10 individuals that are using the products?

11 Language barriers, another thing that was
12 highlighted, literacy challenges. So when you're
13 looking at an EPA registered label, what does all
14 this stuff mean and how do you translate that into
15 proper use? So that was a concern as well that was
16 brought to our attention.

17 And then, lastly, incompatibility. We
18 hear this even outside of the pandemic about
19 incompatibility of the antimicrobial pesticides on
20 different surfaces. And I remember one particular
21 conversation where this particular sector was
22 saying, well, we just bought a suite of products and
23 we just use them on everything. So at the end of
24 the pandemic or midway through the pandemic, we had
25 to replace a lot of things that were damaged from

1 overuse of these products or the incompatibility of
2 the products on particular surfaces.

3 So these were the four things that kind of
4 resonated during those conversations. And in
5 addition to having these conversations, we asked
6 some of the individuals what tools or resources
7 could EPA provide to better address these
8 educational gaps. One that kept coming up is
9 infographics, we need pictures, we need a better way
10 to describe how to use these products.

11 So guess what? We are trying to tackle
12 that now and that is way outside of my expertise,
13 but we are trying to see what resources exist from
14 our different -- from our membership, what resources
15 are already available as it relates to the
16 development of documents, resources to better
17 communicate how these products should be used not
18 only during emergency situations, but normal
19 everyday use as well.

20 And I also want to highlight we have
21 started the -- well, we've started the Spanish
22 translations of the EVP guidance and some of the
23 list. That should be completed in December. So
24 that process was started early this year and we're
25 excited about that as well.

1 So our next phase is to propose products,
2 develop products, propose a location for these
3 products, and ultimately address, if not all aspects
4 of the communication, educational gaps, but at least
5 some of those.

6 Now, I will transition to the Policy
7 Workgroup update.

8 ANASTASIA SWEARINGEN: Thanks, Tajah. I
9 see you all the way down there. Thanks so much.

10 So the Policy Workgroup had a lot of
11 overlap with -- I remember, I have to hold this.

12 So we had a lot of overlap with the
13 information that Tajah gained from those surveys and
14 the work that Rhonda is doing in the Technical
15 Workgroup. So we're a little bit of a bridge
16 between the technical and the communications work
17 and translating those into some policy
18 recommendations.

19 So if you want to move to the next slide.

20 So a few things that came out of our
21 learnings from the pandemic and the recommendations
22 from the EVP Workgroup from the last PPDC. So one
23 of the areas was -- of confusion was when you're at
24 the store and you want to buy a product and you are
25 there, how do I know if this is effective against an

1 emerging viral pathogen. And for those products
2 that are using the EVP status and so don't have the
3 test and the claim on the label, you know, we have
4 the EVP policy, but there is no on-label information
5 for folks about that.

6 So one of the things that we looked at is,
7 well, how could we provide that information at point
8 of sale without changing the label permanently
9 because we know that that is kind of outside of the
10 scope of policy. So one of the things that we
11 looked at originally was could there be some icons.
12 That was the prioritized based on the reality of the
13 regulatory hurdles and what that would mean.

14 So another proposal that came up,
15 especially with the idea of using QR codes and
16 website labeling through the bilingual labeling, is
17 could we have a proposal for the use of a QR code
18 that could convey that information during a pandemic
19 and the authorization of the EVP policy?

20 So that is still under exploration with
21 the AD. We've kind of put that together what this
22 might look like. So that's still under discussion.

23 Then looking at the issue of overuse and
24 misuse of pesticides, especially during the
25 pandemic. So we wanted to understand how is that

1 being reported and so we looked through and Tajah had
2 some conversations with OECA about how those are
3 being captured within the federal database and those
4 who were reporting the incidents to OECA. And we
5 noted that it was a little bit confusing for how you
6 might report an incident of overuse in an
7 antimicrobial space. So we are putting together
8 kind of some suggestions for how they might
9 maybe change a field or two.

10 And then on looking at the policy options
11 to address some of the feedback that Tajah gathered
12 from the user groups, so looking at the issue of
13 surface compatibility. You know, how can we better
14 convey to folks that the products have to be used in
15 accordance with the label and just because you have
16 a disinfectant, you can't use it on everything. You
17 know, these are for hard, nonporous surfaces, or if
18 they have the other surfaces. So one thing that we
19 looked at was could we put some language on the EVP
20 website for folks who are looking at those products
21 that would comply with the emerging viral pathogen
22 policy to remind them to use it in accordance with
23 the label directions and explaining what that is.

24 And then, also, as Tajah noted, exploring
25 different communication tools for our targeted use.

1 You know, not changing the label, but giving
2 information to those who are most likely to use
3 these microbial products.

4 One of the issues, you know, we found
5 constantly with the idea of overuse and misuse is
6 it's hard to know what is the appropriate amount to
7 use, because as soon you disinfect a surface, you
8 could again have an incident where somebody gets
9 sick and you have to disinfect again. So you could,
10 you know, be in a situation where you have to use
11 the product multiple times in an hour but, you know,
12 more frequently, what is the best practice there.
13 So there are a lot of different policy issues that
14 we are still exploring further.

15 I think I have another slide. I don't
16 remember. Yes, future activities. Again,
17 developing policy recommendations for additional
18 resources during public health emergencies. We are
19 working on that product compatibility with common
20 surface materials.

21 Another issue that came up is when the
22 pandemic -- you know, we had a lot of requests for
23 new products and the idea of using the Section 18
24 pathway for getting new things on the market. What
25 we found with EPA and dealing with what they had to

1 look at with these pathogens is folks were coming in
2 with not a lot of data and it wasn't really clear
3 that they were meeting the basic requirements for
4 getting that Section 18 emergency use.

5 So how can we kind of provide some
6 guidance to folks who might put in a Section 18
7 request for a public health pathogen to really make
8 sure that they have some efficacy data that they can
9 actually show that the product works and not just
10 the active ingredient, but you can't take a product,
11 you know, and put it in a new medium and expect it
12 to have -- to bridge the same kind of efficacy data.
13 There has to be more information that is put there
14 in that package. So that is something that we are
15 working with the Technical Group and that Rhonda has
16 been kind in giving a lot of feedback on.

17 And then we haven't tackled this yet, but
18 the interfacing of PR 98-10 on emergencies for
19 faster submission processing. So that will be kind
20 of something we look at after we tackle the Section
21 18 issue.

22 I think that's the end and I think it is
23 Rhonda's turn now.

24 RHONDA JONES: Let me see how long this
25 lag is. There we go. Let me get this a little

1 closer. Thank you. It is kind of warm.

2 So, yeah, welcome to the Technical Group
3 update. First of all, I want to thank the PPDC so
4 much for allowing me to be part of this. It's just
5 been an amazing experience and I have learned so
6 much. Not to geek out for a minute, but you cannot
7 imagine how fun it is to be on a call every Thursday
8 with this group of people and to listen to them talk
9 about germs and their stringency and testing the
10 different products and things that are going on in
11 the military with this and things that are going on
12 internationally. It's just truly an amazing
13 experience to be a part of this.

14 I want to also thank our team that is
15 there on the slide -- you may notice it's almost
16 doubled in size. As we began to move through
17 different microorganism types, it became very
18 obvious that we needed additional expertise. So
19 we have gone out through the group of the core
20 team and their contacts and we have recruited
21 people in all different sectors with the different
22 knowledge bases to help us with each of the
23 different microbe types.

24 So we have a really nice balance of
25 academicians here, government staff, public health

1 staff. Most of the major contract labs that are
2 doing this kind of testing and the data that is
3 being submitted to EPA are represented. There are
4 many registrant stakeholders here, too, that they
5 have their own labs or just have the experience with
6 testing the products as we go through this part of
7 consensus building on each of the different types of
8 microbe types.

9 So here's just a quick look at where we
10 are at. I think about 30 or so of those 85 items
11 that came out of the original workgroup landed in
12 the Technical Workgroup and almost all had high
13 priority rankings. So we have completed embedding
14 all of those high priority items into the revision
15 of the viral pathogen policy and, as Tajah
16 mentioned, we consider that complete at this time.

17 We have turned over the redline draft to
18 the agency. The agency has come back with a series
19 of questions, which we have answered and provided
20 explanations and references to, as well as talking
21 to them about how implementation should go and
22 making some recommendations on that.

23 So while there may be the occasional stray
24 question that still comes up on the viral policy, I
25 think we basically, as a committee, feel that is

1 complete. We have moved on now to discuss
2 bacterials for farmers. I'm very hopeful that we
3 will provide the final version of another draft.
4 We're reporting out the deliverable we are using is
5 to actually write a policy, similar to the
6 emerging viral pathogen policy that is there. So
7 that is actually in rough draft right now for the
8 bacterials for farmers, inside the committee to take
9 a first look at, but I'm hoping to deliver that to
10 EPA at the end of December.

11 The next item you requested was the
12 mycobacteria. So, of course, tuberculosis is one of
13 the biggies in this category. We have finished our
14 consensus building on that and the various hierarchy
15 and prerequisites. We have come together on that
16 and we are just beginning the drafting aspect of
17 that document. Again, we plan to deliver it in the
18 form of a written policy for the agency so it might
19 be a little easier to implement.

20 We may deliver this earlier, but I'm
21 thinking somewhere in the January time frame, we
22 should have the one off to the Antimicrobial
23 Division as well.

24 While we are writing, we are continuing on
25 in consensus building, so we will move to fungi and

1 yeast next. We are just beginning those
2 conversations; just started those last week. We
3 actually have pulled in another expert last week to
4 help us in that area as well.

5 So I'm anticipating around the March time
6 frame of having that drafted. They seem to be going
7 a little faster. I don't know if we're getting
8 better or it's a little easier because we are
9 building on the stringency hierarchy that is already
10 there. And then we will do bacterial last.

11 So I'm hoping to finish all of the policy
12 writing in the April time frame before our sort of
13 May cutoff when our committee expires or whatever
14 the right term is. And we will talk about that in a
15 minute.

16 There were a number of medium to low
17 priority items that also fell in our lap. One is to
18 continue to look at the EVP landing page and it is
19 just sort of an ongoing thing. As we are writing
20 these things and answering some of the Antimicrobial
21 Division questions, we just keep coming up with, oh,
22 we should add that to the page or, you know, we
23 should put everything on the page in bilingual
24 language and things like that. So that is an
25 ongoing activity.

1 As far as the 810s go and the revision to
2 those guidelines that were asked for ESS and
3 residual, I think the committee believes that that's
4 probably not an action that we need to do any
5 longer. The agency has actually already just
6 recently updated the residual guide itself. So I
7 think we're just waiting for confirmation if there
8 is any other assistance the agency needs for us on
9 that one, but that one may also sort of technically
10 be complete.

11 Then we will look at doing the things
12 Anastasia already updated with on the policy group.
13 So every other Thursday, we meet on the emerging
14 pathogen policies, and then in the middle week,
15 about half of the team meets with Anastasia's team
16 to work on the other aspects there. So that is how
17 we are working the group.

18 Just to talk a little bit about the
19 consensus building, when we get started with each
20 microbe type, we are starting with literature
21 search. In one case, the B lab had a viral literal
22 search we could build on and then we did some
23 adding. So my team at SRC has been doing the
24 literature searching for us to feed into the group
25 and, of course, the experts themselves come packing

1 their own experience, testing experience, and their
2 own publications and that type of stuff.

3 So we do a gathering and we are keeping
4 track of all of those references that we are using
5 to build our consensus around and then we start
6 working on building the policy and looking at the
7 stringency of the organisms. We build a lot off of
8 the Klein (phonetic) and Deforus (phonetic) and
9 Spalding publications and there's been many
10 publications of the hierarchy over the years. And
11 that allowed us -- with the viral, we basically took
12 the existing 2016 policy and redlined it. That is
13 how we finished out on that.

14 And we kept -- in that particular case, we
15 kept the science prerequisites the same as what they
16 have been in 2016, but we added some additional
17 ways to qualify to get to do that claiming based on
18 having spore claims. So we did a little updating
19 there, but the infrastructure of the science pretty
20 much stayed the same.

21 When it came to the sporeformers, we are
22 really creating something that didn't exist. So
23 again, we started with the literature, started with
24 the sharing of everybody's knowledge and their
25 expertise, and the testing that they have done. A

1 lot of very interesting information came from
2 USAMRIID and also the work that they had done with
3 the UK in spores. And the military looks at spore
4 decontamination a little different than we do in
5 this particular area, but understanding how spores
6 relate to each other and how emerging spores might
7 be predicted by existing spores is all the kind of
8 things that we are really talking about in those
9 groups.

10 So we have concluded that consensus
11 building and, obviously, we just told you we have
12 written up the policy based on that. Along the way,
13 we are also capturing a bunch of additional
14 recommendations on our existing registration
15 standards, whether we think the methodology is right
16 or could be improved, whether the test carrier
17 should be improved, whether the strains that this is
18 based on should be improved as well. So at the end,
19 there will be sort of a separate document that
20 collects all of those general recommendations from
21 these experts on the testing methodology as well.

22 At the end of the day, once we finish what
23 we thought was scientifically correct as far as the
24 prerequisites of the registration claims that you
25 would already have on a label, at the end of the

1 day, there's not a lot of products that are
2 currently registered to meet this potential need.

3 So we did provide the agency with a
4 variety of what we called case-by-case
5 recommendations. They were recommendations on how
6 to feed the supply chain with other products that
7 would already be registered, but we didn't feel like
8 that should go in the policy itself for registrants
9 to use under the policy, but rather just to help
10 inform EPA if they should find themselves in that
11 situation, that there are some maybe step-down
12 organisms on labels that could be used in certain
13 circumstances. So that is also coming along with
14 each of these documents now, too.

15 Mycobacteria consensus building done here,
16 again, we are sticking with the same kind of
17 strategy of prerequisites. In this particular case,
18 we are drawing on the spores, we are drawing on
19 prions. We're going to also Candida auris and M.
20 bovis itself, which is the registration strain that
21 we test to support that hierarchy. And, again, we
22 have a number of general recommendations on actually
23 replacing the standard test strain, which is not
24 really a novel concept here. It's been talked about
25 quite a bit.

1 So we are capturing all those things and
2 we are moving on now to fungi and yeast. We are
3 kind of in a groove as to how we handle this. So it
4 will be the same kind of things as we go.

5 While I have given you a pretty aggressive
6 set of deadlines, I do think they are manageable.
7 However, we might get kind of close on the bacterial
8 one as to whether we really get things done by May
9 when we are to disband. So we want to ask the
10 question of the PPDC if we can have a six-month
11 extension to complete our work. Again, the bulk of
12 the work, we think, will be done by continuing to
13 keep us for that six months. It also gives the
14 agency a chance to take in what we are writing,
15 review it, come up with a list of questions and come
16 back to us with any concerns or questions or why did
17 you come to this conclusion kind of thing.

18 So it will allow us to help finish up some
19 of the projects we are doing with the policy
20 workgroup, too, which alongside this work may
21 challenge us to finish by May.

22 And I think that is our update. I have in
23 the appendix -- when you get the deck available, I
24 don't want to go through in great detail, but I have
25 provided you with the tables of this consensus

1 building work that we have been doing where we have
2 gone organism by organism, strain by strain, and
3 what our general recommendations were under each
4 strain, under each test method of each strain that
5 are in the guidelines. So you have a whole series
6 of different tables here.

7 And they are also structured by surface
8 type. So we have hard, nonporous surfaces; we have
9 hard, porous surfaces; and we have soft surfaces.
10 So we are giving you those. And then, also, the
11 same for the mycobacteria. So you have that in your
12 packet as well.

13 With that, I will turn it back over to
14 you.

15 JEFFREY CHANG: Thank you. Let's now turn
16 it over to the PPDC for discussion.

17 As a reminder, please turn your tent card
18 and state your name and affiliation.

19 Lisa?

20 MS. DREILINGER: Hi, good morning. Lisa
21 Dreilinger are from Arxada.

22 So I want to start by saying thank you to
23 Rhonda and Tajah and Anastasia. There have been
24 countless hours of work that certainly does not go
25 unnoticed. It's adding so much value to the

1 preparedness of the agency to be able to respond
2 properly, timely, in a way that allows the end
3 consumer to be protected. So just a heartfelt thank
4 you to start.

5 As a PPDC member and a member of the
6 subgroup, I may be biased but I do support the six-
7 month extension. I think the bacteria is something
8 that consumers will find in their home and they find
9 on a daily basis, and if we don't complete all of
10 the work, I think we are selling the end user short
11 from possibilities of benefitting from all the work
12 that has already been done. So I just wanted to
13 share that I support the six-month extension.

14 Specifically, for Tajah for the first
15 little presentation, I don't know if you were online
16 yesterday, but I know you weren't in the room. As
17 part of the Label Reform Workgroup, we talked a lot
18 about the end consumer and the end user and what
19 might benefit them. And although that is currently
20 in the Labor Reform Workgroup's parking lot, the
21 hope is that it will come out of the parking lot at
22 some point, and I'm wondering if we could partner
23 and share some of the information that you have
24 presented here.

25 I think it has also been noted from other

1 -- of other segments, some similarities, but I think
2 it is important to pull from more than one place. I
3 think the overarching comments will be the same, but
4 I think we could really learn from some of the
5 conversations that you have had and I'm wondering if
6 there are additional data elements that -- like
7 maybe the graphics that would be optional, but could
8 be applied in the label as well. So I just think
9 there might be some learnings that we could share.

10 Thank you.

11 JEFFREY CHANG: Dawn?

12 DAWN GOUGE: Thank you. Dawn Gouge,
13 University of Arizona.

14 Well done. It's fantastic work. I love
15 the idea of infographics in order to not only convey
16 information about what -- how products should be
17 used safely, but also how they should not. I, just
18 briefly, would like to give you an example of humans
19 being humans during the pandemic and at other times
20 to. I'm involved in school IPM efforts in my state,
21 and we had an alarming number of situations where
22 concerned parents or teachers were observing
23 elementary school age kids using the hypochlorite
24 wipes at the beginning of class, at the end of
25 class, and then even if they're staying in their

1 same seat and then high schoolers who were
2 transitioning constantly, again, using hydrochloride
3 -- primarily hypochlorite, not entirely, but
4 primarily hypochlorite wipes.

5 Then, of course, the little kids, what do
6 they do, they wipe their hands, they wipe their
7 faces, they clean out their ears, whatever little
8 kids do with inappropriate wipes.

9 So, you know, obviously, we get the
10 information and so we reached out to EPA, who
11 directed us to our state lead agency. Our state
12 lead agency told me that there was nothing going on
13 wrong that could possibly be corrected. So to
14 clarify, there is no minimum age for use of wipes,
15 which seems bizarre to me, frankly. The actual
16 wording that says on these containers, keep out of
17 reach of children, is not part of the label. It is
18 a cautionary statement that it is entirely optional
19 depending on what you want to do in the day.
20 Seriously.

21 So there seems to be a few things that
22 might actually be able to be tightened up a bit,
23 perhaps. And, also, when addressing infographics,
24 great opportunities to address the humans being
25 humans part of how these products are actually going

1 to be used by real people.

2 Thank you.

3 RHONDA JONES: I don't know if you want us
4 to respond to that, but I will say the school
5 example was something that was really brought up and
6 we actually looked at some infographics that CDC and
7 HCPA had done with California to educate both
8 schools and day cares on how to properly use the
9 antimicrobials. We know that that is a prime area
10 for misuse and overuse and I think it is an area
11 where we really want to make sure that those are
12 more frequently distributed amongst the school
13 communities. And thinking through how we do that, I
14 think is an important part of our Communication and
15 Education Workgroup.

16 Tajah, I don't know if you want to make
17 any other comment on that?

18 TAJAH BLACKBURN: I think all those points
19 are very salient and really speak to the
20 conversations I had. One particular group -- and I
21 see, Joe, you're down there. How are you doing?

22 He was actually instrumental in connecting
23 me with the migrant farmworkers. Those
24 conversations were really heart-to-heart and they
25 really emphasized the humans being humans type of

1 thing and just the gap in information.

2 So all this resonates with me and
3 Anastasia. Thank you for highlighting those things.
4 We are going to do our due diligence as far as
5 proposing things? If, in your workshops, you know
6 of different resources that could be along the lines
7 of an infographic or pictogram or something that we
8 can use to just really kind of hit home as to the
9 proper use of these products in daily operation, not
10 just during a pandemic as well.

11 So thank you for those points.

12 JEFFREY CHANG: Joe?

13 JOE GRZYWACZ: So I'm going to do my --
14 oh, I'm sorry, Joe Grzywacz, San Jose State
15 University. I'm going to try to make three really
16 clear points.

17 Point number one, oh, my gosh, you guys,
18 you are totally a machine. After having a guy like
19 me slow you down for a period of time, you are on
20 momentum and on fire. So goodness, gracious, which
21 leads me to point number two.

22 If there is an official motion on the
23 table, I second it. This needs to be -- the work
24 needs to continue. So I think the extra six months
25 is warranted, but I think it is also an important

1 part of the procedural elements of the learning
2 curve that these groups take. You know, I think we
3 need to take that learning curve into consideration
4 when we create these groups because, I mean, Polish
5 guys like me, it takes us a while to catch up with
6 where the conversation actually is.

7 And so just as a matter of process, I
8 think it is really important to make sure that when
9 we create these working groups, we build time into
10 that for kind of the getting on the same page,
11 acquiring the same language, just getting to know
12 each other, so that that is actually part of the
13 work plan, rather than expecting it's just going to
14 happen overnight. So that's point number two.

15 Point three, which has already been made,
16 but I really want to emphasize it, is that we have
17 to remember that at the end of the day, language is
18 symbolic. So while we can talk all we want about
19 translation and all that other kind of stuff, some
20 words don't have a translation. I was reading
21 through the white paper, for example, just yesterday
22 and there's all sorts of scientific speak in there,
23 like metadata. People outside of this room and data
24 scientists don't know what metadata are, so it does
25 not have a translation into some language.

1 So I think it is really important that we,
2 of course, use good scientific language and that
3 sort of thing to make sure that we are grounded in
4 the work that we are doing. But we also have to
5 remember at some point, that needs to make its way
6 to the elementary school age teacher who at best
7 maybe has a Bachelors degree or to the farmworker
8 who -- at least modal education for the national
9 agricultural worker survey is sixth to ninth grade
10 depending on where you are in the country, and then
11 remembering that language is symbolic. There is not
12 a one-to-one correspondence for that.

13 So I just really want to make sure that we
14 keep those three ideas as your momentum continues to
15 move forward. So thanks for the great work you guys
16 are doing.

17 JEFFREY CHANG: Alexis?

18 ALEXIS TEMKIN: Yeah, thank you, Alexis
19 Temkin, Environmental Working Group.

20 Again, really awesome work. Everybody's
21 said that already. I wanted to highlight, I think,
22 like one of the very unique aspects of the work and
23 really important was how you went out to different
24 groups, how you collected that information about
25 use, misuse, real world use of antimicrobial

1 products. And I think that could be definitely
2 expanded to other pesticides, right?

3 And the importance of what was in that
4 information and data that was collected and how
5 critical it was to understanding the next steps of
6 that program in terms of coming up with where the
7 confusion is, how are we going to address those with
8 materials so that we are ensuring these products are
9 used safely, and just to highlight -- other people
10 have talked about it, right -- the misuse, the
11 overuse was something that clearly kept coming up in
12 terms of antimicrobials with the pandemic and we
13 needed this -- it wasn't -- the pandemic was,
14 obviously, something that accelerated and
15 highlighted that, but it also was probably occurring
16 beforehand.

17 So just the importance of keeping that in
18 mind, especially in assessments of the safety of
19 these products and risk assessments, things like
20 that, you have to consider that. Worst case
21 scenario, the children, you know, misusing these
22 products, all those things.

23 So I also just wanted to add that within
24 the agency, right, there is the safer choice program
25 and the design for the environment program, which

1 looks at safer products, safer disinfectants. They
2 have a whole list. You know, you can go on the
3 website. If people haven't been there, you can look
4 at products that meet their criteria, and I think
5 there is five or six antimicrobials and then 20 or
6 so disinfectants and you can select for SARS-CoV-2.

7 So just thinking about future materials,
8 communications, infographics, they have a logo, a
9 label, how to just leverage some of those other
10 materials, especially within the agency, too, to
11 just note that not all products and not all
12 antimicrobials or pesticides are created equal, too,
13 in terms of when it comes to health and safety and
14 who is using them.

15 JEFFREY CHANG: Mily?

16 MILY TREVINO-SAUCEDA: Good morning, Mily
17 Trevino-Sauceda with Alianza Nacional de Campesinas.
18 I wanted to echo what has been said and, at the
19 same time, bring, again, the information up -- the
20 issue about when -- because it is a different
21 language or different languages that we are
22 recommending, translation is not going to be enough.
23 Interpretation is going to be more than important to
24 make sure that -- I think I said it yesterday, but
25 I'm going to repeat it every time.

1 Then make sure that if we are putting
2 together information, we invite people who we're
3 going to be targeting or different kinds of focus
4 groups to make sure that people will be
5 understanding what we are putting together. Because
6 if not, you know, we are just going to be thinking
7 that maybe this group did a great job when, at the
8 end, it is a different scenario out there with the
9 community.

10 Thank you.

11 ED MESSINA: Any other discussion needed
12 before we go to vote?

13 (No response.)

14 ED MESSINA: Okay. Would somebody like to
15 put a motion on the floor to extend this workgroup
16 by six months?

17 Joe is putting that motion on the floor.
18 Would somebody like to second?

19 MS. DREILINGER: I'll second it.

20 ED MESSINA: Who is --

21 MS. DREILINGER: Me.

22 ED MESSINA: Oh, okay. Lisa seconds. All
23 right. We'll take a vote.

24 All in favor, say aye.

25 GROUP: Aye.

1 ED MESSINA: All against, say nay.

2 (No response.)

3 ED MESSINA: The ayes have it and the
4 motion passes.

5 Thank you for a great presentation and a
6 great session.

7 Just to address a couple of points, we
8 would not have been as prepared as we were for
9 responding to the COVID pandemic but for this group,
10 and it wasn't only the -- and the groups that
11 preceded it. It wasn't just the establishment of
12 the emerging viral pathogen policy that allowed us
13 to do that, but it was those connections -- Joe,
14 right -- that we had established in advance to when
15 the agency was presented with this issue.

16 If you look at the record on COVID-19, EPA
17 was one of the first agencies in January, early
18 January of that year, to launch the emerging viral
19 pathogens policy. Industry had provided us a list
20 of things they thought would be effective against
21 SARS-COV-2 based on the hierarchy of kill. We put
22 up our little PDF first and then we had a little
23 HTML site and then we finally went to a web app on
24 your phone. And all of the iterations about making
25 sure the directions were clear, how to find that

1 product, it was just -- that was that year of 100,
2 almost 99 OPP updates, and a lot of -- I credit the
3 work of this group and all their predecessors for
4 really helping us be prepared.

5 As we have already seen, knock on wood, we
6 hopefully don't have a future pandemic, but another
7 emerging viral pathogen will occur and we activated
8 that twice last year for hemorrhagic fever and
9 Ebola. So this work needs to continue and thank you
10 again for your work and for the great discussion.

11 JEFFREY CHANG: Thank you. We will move
12 to the next set of speakers and we will give a few
13 seconds for people to switch out.

14 (Pause)

15 JEFFREY CHANG: Let's now pivot for an
16 update from our Pesticide Resistance Management
17 Workgroup. For that, we are joined by Nikhil
18 Mallampalli, Biological and Economic Analysis
19 Division in OPP, and, virtually, Cameron Douglass,
20 USDA Office of Pest Management Policy. Welcome, you
21 two.

22 PESTICIDE RESISTANCE MANAGEMENT #2 WORKGROUP UPDATE

23 NIKHIL MALLAMPALLI: Thank you. I am
24 going to go over the first few slides which are
25 basically just a recap of the context within which

1 this workgroup is going to be operating and remind
2 you of its charge questions, and then Cameron is
3 going to cover the rest of the update.

4 Okay. So this slide just summarizes what
5 EPA has already been doing in the area of improving
6 the implementation of resistance management
7 principles by the end user, particularly in
8 agriculture. But this is something that spans all
9 pesticide use potentially.

10 About six or seven years ago, we decided
11 to pay more attention to ways in which we could get
12 the word out that EPA is interested in implementing
13 -- helping people implement resistance management.
14 To that effect -- to that end, we issued two
15 pesticide registration notices that were aimed at
16 helping registrants to improve the kind of
17 information they're putting on their labels to help
18 the end user do that resistance management. So
19 these were updates and expansions of an existing PR
20 notice and they were developed in collaboration with
21 the Resistance Action Committee and other academic
22 experts and industry experts.

23 Basically, this was an attempt to make
24 sure all labels have a mode of action labeling and
25 some basic resistance management-related, integrated

1 past management information, things like scouting
2 before treatments, scouting afterwards to see if
3 there was any unexpected survival and that sort of
4 thing.

5 We have been steadily implementing the use
6 of these pesticide registration notices in
7 registration and registration review. Since 2017,
8 about 200 registration review chemicals have adopted
9 that language. So in other words, our Pesticide
10 Reevaluation Division has been working routinely
11 with registrants who have been generally very
12 cooperative in putting this kind of basic
13 information on labels. So that's about 200 of about
14 230 and more are coming up.

15 I'll also mention that EPA evaluation of
16 the benefits of a new or existing active ingredient
17 includes the value of what it brings in terms of
18 resistance management. So that is considered part
19 of its benefits, which our risk managers then
20 balance against any risks that need to be mitigated.
21 That's part of the typical FIFRA-mandated risk
22 assessment that is -- incorporates benefits.

23 So that is what EPA has been doing
24 recently. And while that has been seen as a
25 positive thing and generally well received, there's

1 also been a consensus that more could be done by
2 EPA, as well as many other interested stakeholders,
3 registrants are an obvious one, but there's
4 pesticide retailers, there's the people farmers talk
5 to. Everyone could do a better job of conveying to
6 mainly farmers, but other pesticide users, why the
7 resistance management is important and how they
8 could do it in a scientifically principled way.

9 So to help EPA think about that, PPDC
10 implemented the first Resistance Management
11 Workgroup, what I'm calling Workgroup 1.0, and they
12 started in 2020 and ended at the end of 2021, and
13 they issued five broad recommendations that they
14 said -- they urged EPA to consider seriously.

15 I'm summarizing them on this slide and the
16 next one. The first one of those recommendations
17 was that EPA should explore changes in pesticide
18 labels to make that resistance management language
19 clearer, more concise, and easily available to the
20 end user.

21 The second recommendation was that EPA
22 should conduct a review of its policies and
23 regulations to make sure it is not unintentionally
24 getting in the way of providing end users with the
25 tools to manage resistance.

1 And then moving on, the third broad
2 recommendation from the first workgroup was that EPA
3 should expand its collaboration and outreach efforts
4 with other federal agencies, state lead agencies,
5 and other stakeholders to dynamically address how
6 they can continue to help with resistance management
7 implementation.

8 EPA should also, according to the first
9 workgroup, explore how it can encourage proactive
10 resistance management, perhaps through cooperative
11 agreements, updated training materials, and grant
12 programs.

13 And, finally, that EPA should explore the
14 creation of incentive programs for assistance in
15 overcoming the hurdles associated with resistance
16 management, so funding hurdles and incentives of
17 growers to implement resistance management. So
18 these are broad and ambitious.

19 (Pause)

20 NIKHIL MALLAMPALLI: Okay. So the three
21 charge issues that this current workgroup is charged
22 with are summarized on the slide. The first one is
23 to assist EPA in developing implementation
24 strategies. The second question that's developed
25 is, can we quantify the cost and benefits of

1 resistance and the resistance management value in
2 the active ingredient brands and exploring how we
3 can get IPM strategies in the hands of the pesticide
4 users to improve resistance management.

5 So these are the three charge issues that
6 our current workgroup, which has 12 people, has been
7 working on. We have broken down the workgroup into
8 subgroups that are addressing each of these three
9 items and each workgroup has the set of preliminary
10 suggestions that Cameron is going to go over next.

11 So I will turn it over to Cameron.

12 CAMERON DOUGLASS: Great. Thank you,
13 Nikhil, for starting us off there.

14 If you want to move onto the next slide, I
15 will get going with my comments.

16 Great. All right. So as a matter of
17 beginning of our update, I wanted to clarify that
18 the following comments represent the current state
19 of our workgroup discussions within the three charge
20 question subgroups that Nikhil mentioned.

21 The update that we are going to present
22 today is preliminary and it is very likely to change
23 between now and the submission of our final
24 recommendation at the May 2024 PPDC meeting. We
25 present these today with the hope and expectation of

1 receiving feedback from you all in the room there.

2 I wanted to quickly thank the members of
3 our workgroup for all of their work over the past
4 few months, all the work they're going to do in the
5 next few months, and also acknowledge folks from
6 BPD, especially Frank Ellis and Tom Cook, who
7 recently, in the past few weeks, have made
8 themselves available for several very productive and
9 candid discussions with our group on IPM topics. We
10 really appreciate that engagement and look forward
11 to more of that moving forward.

12 Our workgroup wanted to note that there is
13 considerable overlap between two of our charge
14 question comments, specifically the implementation
15 and IPM groups. In the back of my head as I say
16 this, I hear Marc Lame from our group, who
17 frequently stresses that IPM and resistance
18 management are inseparable concepts and you'll note
19 this intersection throughout the comments I will
20 make.

21 I will come back to this point at our
22 concluding side, but, moving forward, our workgroup
23 will focus particularly on converging towards a
24 consensus set of recommendations that better
25 accounts for the cross-cutting nature of the

1 recommendations across our three charge questions.

2 I'll also note that an overarching theme
3 our workgroup has adopted is the important
4 acknowledgment that effective resistance management
5 through IPM and other means can extend the useful
6 lives of pesticides.

7 Next slide, Nikhil.

8 In the view of the current workgroup, one
9 of the previous workgroup's key recommendations that
10 is relatively low-hanging fruit for EPA to act on is
11 leveraging existing partnerships and opportunities
12 for coordination on resistance management issues
13 within EPA and also within the broader Federal
14 Government. For instance, there is a precedent
15 within EPA for the formation of working groups on
16 specific topics and issues.

17 So one recommendation our workgroup is
18 considering is proposing that EPA form an internal
19 working group focusing on resistance management
20 issues to better facilitate and ensure coordination
21 on resistance management between EPA staff in DC and
22 those in regional offices dealing with issues in the
23 field.

24 With respect to the board federal family,
25 several EPA staff already routinely participate in

1 meetings with the Federal IPA coordinating
2 committee, which is managed through our office, the
3 Office of Pest Management Policy in USDA. But this
4 workgroup is considering recommending that EPA build
5 on this existing participation and proactively
6 engage with FIPMCC moving forward on resistance
7 management and IPM. Specific topics that could be
8 built on include broader cross-Federal Government
9 collaboration on the collection and dissemination of
10 high-quality information on resistance management
11 and IPM.

12 To formalize this proactive engagement in
13 FIPMCC, our workgroup is considering proposing that
14 EPA commit to working with USDA and other federal
15 partners on a resistance management roadmap modeled
16 on the existing and, arguably, successful IPM
17 roadmap.

18 Next slide, please, Nikhil.

19 Relatedly, our workgroup discussions have
20 led to the identification of several opportunities
21 for better coordination on resistance management
22 issues outside of the Federal Government. The first
23 opportunity is a possible recommendation that EPA
24 build on existing relationships with professional
25 societies and resistance action committees, or RACs.

1 EPA already has existing liaisons from several of
2 the major relevant professional societies, including
3 the Weed Science Society of America, the
4 Entomological Society of America, and the American
5 Phytopathological Society. We could encourage EPA
6 to dig into resistance management more substantively
7 with these societies and better leverage the
8 existing expertise and ability within these
9 societies to carry out research that could improve
10 existing best practices for resistance management.

11 Resistance management and the application
12 of IPM to managing resistance can vary depending on
13 the type of pest involved and the academics and
14 extensive specialists who participate in the
15 professional societies are some of the best sources
16 of high-quality information and research on what
17 resistance management approaches work for different
18 pests.

19 Similarly, there is existing collaboration
20 between RACs and EPA that Nikhil discussed
21 previously. So this workgroup could recommend that
22 EPA build on these existing relationships to discuss
23 and collaborate on resistance management issues.
24 RACs are the organizations that manage mode of
25 action classifications for various pesticides. So

1 close collaboration between EPA and RACs is critical
2 moving forward on MOUs to maintain updated mode of
3 action information on pesticide labels and to
4 coordinate on effective mode of action education to
5 end users.

6 Progress on resistance management will
7 include engagement by EPA with diverse stakeholders,
8 not only including academics and registrants, but
9 also with grower groups, agricultural product
10 retailers, commercial applicators, farmworkers, and
11 others. Our workgroup is well aware that
12 representatives of these stakeholders participate in
13 PPDC and we especially welcome feedback from these
14 representatives on their members' perspectives on
15 resistance management and specifically what you at
16 EPA and other partners could do to improve
17 resistance management.

18 Next slide.

19 The second key recommendation from the
20 first Resistance Management Workgroup, that our
21 workgroup wanted to continue to work on is a
22 recommendation that EPA critically review its
23 existing policies, assessments, and decisions that
24 touch on resistance management. The Resistance
25 Management Workgroup is well aware of the competing

1 priorities and resource constraints EPA is operating
2 under, but we would strongly encourage EPA
3 management to use every available opportunity to
4 remind their staff that pesticide resistance poses
5 an existential threat not only to agriculture but
6 also to the health and well-being of humans,
7 livestock, and pets.

8 EPA labeling impacts the management of
9 resistance not only through voluntary resistance
10 management label language extending from the PRNs
11 that Nikhil touched on, but also core aspects of
12 directions for use, including application rate
13 restrictions. Our workgroup has discussed that it
14 would be helpful for EPA to have a modeling
15 framework by which they could evaluate the
16 quantitative resistance costs and benefits of
17 various label changes. And the update from our
18 second charge question group will address this more
19 specifically.

20 There are existing registration decisions.
21 For example, for the PIPs and for some over-the-top
22 uses of herbicides, for which unique label language
23 or terms of registration already exist to account
24 for specific and pronounced concerns with the
25 development of resistance. Our workgroup could

1 encourage EPA to, in collaboration with RACs and
2 academic groups and other stakeholders, critically
3 evaluate whether those unique requirements or terms
4 and conditions have actually been effective in
5 helping resistance management and could serve as
6 precedents for similar registration cases moving
7 forward.

8 Something that has come up several times
9 in discussions of our workgroup is that there are
10 aspects of EPA's recent efforts on increasing ESA
11 compliance that have implications for resistance
12 management. Again, we acknowledge the competing
13 priorities that EPA is balancing, and especially
14 with ESA, I think we all appreciate the importance
15 of conserving threatened and endangered species.
16 But as this workgroup works on our final
17 recommendations, we will likely try to explore
18 specific ESA-related mitigations that appear to have
19 negative resistance management impacts and discuss
20 whether there are possibly alternative medications
21 without those negative implications that could still
22 allow for meaningful reductions and exposure to
23 listed species.

24 Next slide.

25 I mentioned this briefly, but the second

1 charge question this workgroup has been working on
2 was the development of a cost-benefit framework that
3 could allow EPA to more quantitatively consider
4 resistance management tradeoffs. We are actually
5 going to come back to this topic after I discuss the
6 third charge question group and we will allow George
7 Frisvold with the University of Arizona to present
8 his preliminary framework for that charge question
9 group.

10 So I will move on to the third charge
11 question and then we will come back to George's
12 presentation.

13 Next slide.

14 I have already mentioned IPM several times
15 in this update, but we will focus a bit more on that
16 now as I discuss possible recommendations from the
17 third charge question group.

18 The first possible recommendation being
19 considered is that EPA explore existing internal IPM
20 programs that could be leveraged for resistance
21 management efforts. For example, EPA has a very
22 successful IPM center with great experience in
23 outreach through webinars. So we could propose that
24 the IPM center include resistance management topics
25 in those webinar series moving forward.

1 Additionally, the IPM center could partner
2 with FIPMCC and other federal agencies, such as CDC,
3 on broader public communication efforts improving
4 the dissemination of information on leveraging IPM
5 to manage resistance across pest control
6 disciplines.

7 Lastly, our workgroup could recommend that
8 EPA explore whether there are opportunities in
9 existing funding streams within EPA for grants to
10 support the effective diffusion of IPM practices for
11 resistance management.

12 Next slide.

13 A second broad recommendation that this
14 charge question group is considering is that EPA
15 explore how they could remove existing barriers to
16 the use of alternatives to conventional pesticides
17 so that pest management practitioners have quicker
18 access to biopesticides or biological control
19 agents. Under FIFRA, EPA has broad regulatory
20 authority over many pest management chemicals,
21 agents, or devices and, as such, this workgroup
22 could recommend that working with industry groups,
23 as well as federal partners and other groups, such
24 as USDA-funded Regional IPM Centers or the IR-4
25 Program to develop effective, nonconventional pest

1 control methods.

2 While this could involve offering
3 financial incentives through existing federal grant
4 opportunities, EPA already effectively incentivizes
5 commercialization of some of these types of
6 pesticides through the reduced risk program. This
7 workgroup could suggest that EPA revisit the reduced
8 risk program and evaluate whether there are new
9 opportunities or expediting the review
10 nonconventional pesticides, agents, or devices.

11 Relatedly, our workgroup could recommend
12 that EPA determine whether it could make broader use
13 of the list of minimum risk pesticides under Section
14 25(b) of FIFRA to allow for the use of certain
15 biological control agents or nonconventional
16 pesticides outside of the typical registration
17 pathway.

18 We acknowledge there's an ongoing effort
19 by EPA to revisit the process for petitioning for
20 additions to the FIFRA 25(b) list and this workgroup
21 would appreciate, on this effort from EPA, to
22 understand whether a more efficient listing process
23 could more quickly bring less risky nonconventional
24 products and already naturalized biological agents
25 to the field, reducing the reliance on conventional

1 pesticides to manage pests.

2 Next slide.

3 So as I mentioned, we will shift over to
4 George now to give him time to present his charge
5 question group's work on a cost-benefit framework.
6 But after his presentation, we welcome any feedback
7 PPDC members have on our preliminary
8 recommendations.

9 I will wrap up by reminding the audience
10 that this is the second iteration of the PPDC
11 working group focusing on resistance management. So
12 we see this as our last good opportunity for PPDC to
13 weigh in on improving EPA's ability to assist in
14 effectively managing growing and, in some cases,
15 already critical issues with pesticide resistance.

16 Our aim with our final recommendations due
17 in May are to have clear and operational suggestions
18 for EPA and, as appropriately, other federal
19 agencies and stakeholders to substantively improve
20 the chances of practitioners and end users
21 effectively managing resistance.

22 Now, hopefully, we will be able to turn it
23 over to George, who is also presenting virtually,
24 and he will be able to present his draft framework
25 for cost-benefit analysis.

1 GEORGE FRISVOLD: Good morning. My
2 understanding is that you folks are advancing the
3 slides.

4 JEFFREY CHANG: Yes. We are pulling them
5 up. Just one second.

6 GEORGE FRISVOLD: Okay. So what I'm going
7 to introduce today is a general framework to
8 quantify the risk and benefits associated with both
9 resistance and resistance management.

10 Next slide, please.

11 The first thing is what to measure. So
12 the cost and risk from resistance. So there is
13 losses to producers and consumers from reduced
14 efficacy. There is also possible shifts to
15 substitute compounds if there is resistance to the
16 chemistry with something else that has greater
17 environmental or human health risks.

18 There's also cost risks associated with
19 alternative risk management practices. And there
20 are two critical timing questions that affect
21 estimation of the cost and benefits. These are when
22 does resistance occur without resistance management
23 and then when does resistance occur with management.

24 Next slide, please.

25 So how to measure the cost of resistance,

1 so the benefits of resistance management are the
2 avoided costs and risks from resistance. The costs
3 of resistance are similar and they could be
4 estimated in similar ways as costs of pesticide
5 cancellation. One can think of resistance as
6 nature's cancellation.

7 There are long-established methods that
8 economists use to estimate the cost of pesticide
9 cancellations. This is the negative of the benefit
10 of the compound. So if there is a cancellation and
11 also if there is resistance, producers must shift to
12 different compounds or control methods. These can
13 have higher costs, they can provide less yield
14 protection, which affects the quantity produced.
15 They could provide less protection of quality, which
16 affects the price that agricultural producers
17 receive. Also, the new compounds or the new
18 strategies have potentially greater environmental or
19 health risks.

20 Next please.

21 So what are the steps in quantifying
22 resistance costs? So this, again, is very similar
23 to looking at cancellations as you identify
24 substantive compounds or control methods and
25 quantify their production performance and

1 attributes, and this is historically done by looking
2 at expert surveys, market shares, single best
3 substitutes, various analytical models, field trial
4 demonstration data. Now, there is also more
5 proprietary private industry data on what producers
6 are using that is also available. One could also
7 obtain environmental human health risk profiles of
8 alternatives from preexisting assessments.

9 And so one can use the change in
10 production attributes as inputs into regional or
11 national commodity supply and demand models. And so
12 one could model yield and cost changes and supply
13 curve shifts, quality changes as demand curve
14 shifts. Past research, looking at cancellations,
15 shows that impacts very quite significantly across
16 crops and regions. This is likely to be true for
17 resistance as well.

18 Next slide, please.

19 So in quantifying resistance management
20 costs, one can follow pretty much the same process.
21 One can look at field trial demonstration farm data.
22 Extension recommendations -- you know, all
23 throughout the United States, extension weed
24 specialists are making recommendations to stave off
25 resistance. One can evaluate the economic

1 implications of adopting those practices.

2 There is biological models of alternative
3 practice. Some examples that have been -- people
4 have looked at already in the literature is rotating
5 herbicides across years, diversifying modes of
6 action. The most classic example of looking at
7 resistance management costs and comparing it with
8 the benefits of staving off resistance is evaluation
9 of the PIPs. There has been probably more headway
10 in this than anything else, but looking at the cost
11 and benefits of refuges over time. The cost of
12 refuges are foregone gains on the refuge acreage and
13 the benefits are the lengthening of the efficacy of
14 the compounds.

15 Again, one could obtain human and health
16 risks from preexisting assessments for the
17 chemistries that would be used as part of risk
18 management and, again, use changes in production
19 attributes as inputs and regional economic models.

20 Next slide, please.

21 So in principle, one could conduct
22 benefit-cost analysis of resistance management.
23 With resistance management practices, the short-run
24 returns may be lower, but the long-run returns may
25 be greater. So one might be substituting small

1 negative short-run supply shifts to avoid larger
2 long-run negative supply shifts and one could then
3 just apply standard multi-year benefit-cost analysis
4 to estimate the net present value of resistance
5 management.

6 This doesn't really call for anything
7 radically new. One could just follow current EPA
8 principles and guidelines for doing benefit-cost
9 analysis.

10 Next slide, please.

11 Next, please. There we go. Thank you.

12 Whoops, one back, please. Perfect.

13 So now the hard part, what I laid out are
14 things that are very, very straightforward and are
15 things that economists have been doing literally for
16 something like 40 years to evaluate the benefits and
17 cost of pesticides becoming available or
18 unavailable.

19 But the results on resistance management
20 depend on two questions. When would resistance
21 occur absent resistance management and how long does
22 resistance management delay the onset of resistance?

23 There is different options for doing this
24 that have been applied in the literature. One is
25 basing things off of biological and genetic

1 modeling, which has a stronger scientific
2 background, but is often more difficult to do and
3 very difficult to do for multiple crops in multiple
4 situations.

5 An easier method is to more or less
6 arbitrarily choose different years and conduct
7 sensitivity analysis to see which areas might be of
8 higher risk for resistance or not.

9 And in terms of priorities for measuring
10 where resistance might be a problem, there's two
11 things to think about. One is breadth. So how
12 widely used is this compound? What does preexisting
13 literature or assessment suggest would be the cost
14 if something became unavailable if resistance
15 occurred?

16 One could think of, oh, let's say thinking
17 about hypothetically, if people were actually
18 asking, what if widespread resistance to
19 glyphosate occurred. If they were asking this
20 back in 1995, we might have different outcomes than
21 we have today.

22 Another issue is depth, this is where
23 colleagues and the working group were very
24 insightful. There's a lot of compounds that aren't
25 widely used, but they are really critical for

1 particular specialty crops or specific content --
2 context.

3 So resistance costs could be looked at not
4 just in terms of breadth, like is this something
5 used for multiple large acreage crops, but in terms
6 -- percentage terms. So there might be some smaller
7 valued crops in an absolute sense where resistance
8 creates high percentage reductions in production and
9 in income.

10 Next slide.

11 So some considerations, you know,
12 questions. We are not at the recommendation stage
13 yet, but how does registration or cancellation
14 decisions affect the availability of effective modes
15 of action? So more specifically, how might
16 cancellation of compound X affect resistance
17 management for compound Y? You could flip this
18 around. What is the value of the new compound X in
19 helping to delay resistance for compound Y?

20 And at a minimum, even if these things are
21 very hard to quantify, these things could be
22 described and characterized.

23 A lot of the -- the next point is, a lot
24 of the next results that would be used in this kind
25 of more formal, you know, broad-scale benefit-cost

1 analysis could also be used as inputs to put into
2 farm models and decision support tools for education
3 and extension.

4 There is a Palmer Amaranth Management
5 model developed by the University of Arkansas.

6 There is a Ryegrass Integrated Weed Management model
7 dealing with resistance in Australia. So if -- one
8 direction for managing resistance is not necessarily
9 regulatory, but providing people with education
10 tools. This could give growers information about
11 the long-term benefits of managing resistance to get
12 voluntary adoption.

13 The results could also inform cost-share
14 programs. One could look at the benefits of
15 providing economic incentives to adopt particular
16 resistance management tactics. There is already
17 private rebate programs that the private sector has
18 initiated. I don't know if these are really in the
19 scope of EPA, but we know that the USDA has EQIP and
20 CSP. They have cost share programs to create
21 economic incentives for adopting conservation
22 practices.

23 A challenge with these programs is
24 achieving what is called additionality. Whenever
25 you have incentive payments, there are some people

1 who might be adopting the practice anyway, absent
2 the payments. So payments to that group is only an
3 income transfer without any additional benefit. The
4 payments could be too small for other groups. So
5 even with payments available, people may not adopt.
6 So threading that needle of actually having
7 incentives large enough to the particular group to
8 get them to change their behavior is always a
9 challenge.

10 And those are my slides. Thank you very
11 much.

12 NIKHIL MALLAMPALLI: We are done.

13 ED MESSINA: Time for discussion.

14 NIKHIL MALLAMPALLI: Yes, please.

15 ED MESSINA: Again, I know we're a little
16 over, but we'll make it up with the break and then
17 lunchtime.

18 JEFFREY CHANG: Mayra, name and
19 affiliation, please.

20 MAYRA REITER: Thank you, Mayra Reiter,
21 with Farmworker Justice. I would like to thank the
22 group for the great presentation. I would like to
23 express support for the recommendations that were
24 made earlier about IPM. I would like to mention,
25 though, there are people out there implementing what

1 they call IPM, which is really we just keep using
2 the same pesticides we have always been using, the
3 same conventional pesticides, but we just try to use
4 them more judiciously. But that's not really what
5 IPM is.

6 And some of our farmworker groups and
7 environmental groups favor the definition of IPM by
8 the University of California - Davis, which says
9 that IPM is an ecosystem-based strategy that focuses
10 on the long-term prevention of pests or their damage
11 through a combination of techniques, such as
12 biological control, habitat manipulation,
13 modification of cultural practices, and the use of
14 resistant varieties, and pesticides are used only at
15 monitoring indicates they are needed according to
16 established guidelines, and treatments are made with
17 the goal of removing only the target organism.

18 Pest control materials are selected and
19 applied in a manner that minimizes risks to human
20 health, beneficial and nontarget organisms, and the
21 environment.

22 All these factors are important to take
23 into account when we are talking about IPM to ensure
24 that not only the environment, but the communities
25 who live around agricultural areas, the farmworkers,

1 that everyone who is involved in the system that
2 wants to consume the food, that everyone is properly
3 protected.

4 Thank you.

5 JEFFREY CHANG: Nathan?

6 NATHAN DONLEY: Nathan Donley, Center for
7 Biological Diversity. I kind of want to acknowledge
8 two kinds of competing views here that this workgroup
9 seems to be grappling with. One is, you know, when
10 one sort of wants to use more pesticides as a way of
11 combating resistance, you know, getting new modes of
12 action on the market, combining them, and in the
13 short term, that works. I mean, you know, if you've
14 got a new pesticide, it kills the pest you're
15 targeting, it's going to do the job, but that road
16 ends eventually. There is only so many modes of
17 action. There is only so many combinations you can
18 do.

19 And the other competing view is, let's
20 address the larger issue. You know, it's not
21 something that is easy necessarily to do in the
22 short term, but it has -- it's a road that goes
23 somewhere. And that is, you know, the charge
24 question three that you are talking about, about
25 using IPM. And I have the same, worries about

1 differing definitions of what IPM means and it can
2 be used in a way that it's not necessarily intended.

3 But, you know, I would like to see this
4 workgroup really prioritize the IPM part and the
5 pesticide reduction part because I think that is
6 where -- that's where the future has to be. That's
7 where the road goes.

8 And I also want to acknowledge that there
9 was a lot of talk about the cost benefits from the
10 point of view of what are the costs and benefits of
11 implementing certain resistant management programs
12 in place. You know, what are the costs of doing
13 that, what are the benefits of doing that?

14 I also want to acknowledge a separate
15 cost-benefit issue which is one that has not been
16 adequately addressed and that is when you start
17 combining modes of action, you're starting to
18 increase the complexity of those exposures to people
19 in the environment. And, you know, when you suggest
20 you use glyphosate on your crop 20 years ago and now
21 you're using five herbicides, the exposures become
22 very different and EPA's risk assessment process
23 doesn't analyze that.

24 If you have a pesticide product that has
25 multiple pesticides in the bottle, there are some

1 studies being done on that, but most of the mixtures
2 we're talking about are tank mixtures and that is
3 just not existent in the risk assessment process.
4 So the costs aren't accounted for. So there can't
5 be a true cost-benefit analysis when you're not
6 analyzing all the costs of what it means to people
7 in the environment when you're combining all these
8 things together when those exposure scenarios didn't
9 happen 20 or 30 years ago.

10 Yeah, so I just -- I want to acknowledge
11 that and thank the workgroup for its work and hope
12 you prioritize work on charge question three moving
13 forward.

14 JEFFREY CHANG: Mark?

15 MARC LAME: Thank you. So first of all,
16 since coming onto the PPDC a year and a half ago, I
17 was impressed that the agency saw that there was
18 some real importance to resistance management, and I
19 am further impressed that the PPDC decided to have
20 resistance management 2.0. So that is encouraging
21 to me. I think -- I want to address two things. I
22 want to address two things.

23 One is the regulatory side of resistance
24 management, just in short, and the other one is the
25 true diffusion of IPM. And I'll try to keep it

1 reasonably short, but I want to preface everything
2 with two things. One is is that the -- again, the
3 agency must feel that this is important as a matter
4 of being mission-oriented. And I hear a lot in this
5 group and, rightfully so, that we are worried about
6 what is the effect on the grower and what is the
7 effect on the industry. And that's important.

8 But from a mission statement position, I
9 would assume that the agency wants resistance
10 management because it will lessen the exposure of
11 toxicants, pesticides, which might be harmful to
12 human health in the environment. And that's the
13 mission.

14 And so if we use -- and, of course, what
15 is neat about these economic models is that they are
16 going to show more of this stuff and provide the
17 science behind it, but we already have about 60
18 years of science on this kind of stuff.

19 One of the things we're going to have on
20 our final report is kind of a Resistance 101. But
21 the only thing you want to address to this committee
22 before they have to vote on that stuff, is that
23 there is a concept called a pesticide treadmill.
24 It's not merely resistance; it's the concept. And
25 this is from Van Den Bosch.

1 For me, as a baby entomologist, there was
2 Silent Spring and then there was Van Den Bosch's
3 pesticide treadmill. This is back in the early
4 '70s, and with the concept being that there's not
5 only resistance, but with resistance, you use more
6 pesticide because you need it to work. You know, we
7 want to keep food on the table, so we use more and
8 more and more, and that sounds like a treadmill.

9 But it is not just that. The treadmill is
10 is that in using more and more and more, it gets rid
11 of more and more natural enemies. So things just
12 get really bad. In which case, in the late '60s and
13 early '70s, things got so bad with the over-reliance
14 on DDT toxaphene, that the treadmill caused a crash.
15 And farmers basically said to USDA at that time,
16 hey, we are in trouble and we need help. Therefore,
17 that is when integrated pest management was kind of
18 born as a concept at the same time this resistance
19 was born. So resistance management and IPM, twins,
20 as I keep saying.

21 So farmers, you know, they took it on
22 because they had to. They did not have an
23 alternative. So scouting programs, et cetera, et
24 cetera, happened and, you know, it's been just great
25 as far as that goes.

1 So from there, I'm going to go a little
2 bit and link the regulatory side of this to it. So
3 the backbone of IPM, for those of us who really
4 practice real IPM, the backbone is monitoring. If
5 you don't have a monitoring program, you are not
6 doing IPM. Okay?

7 At the same time from a regulatory
8 viewpoint, particularly when it comes to conditional
9 registrations like with what we are doing with some
10 of the over-the-top registrations at this time, if
11 there is not a robust monitoring program with regard
12 to incidents of all different kinds, there's going
13 to be some big problems. So you can't manage what
14 you're not measuring, so -- whether it is insects,
15 weed infestations, or the compliance of a
16 conditional registration. So the agency needs to,
17 as we move towards this, needs to perhaps relook at
18 whether or not they are holding industry's feet to
19 the fire with regard to conditional registration.

20 Then going back to IPM, we need to think
21 about what real diffusion is when it comes to
22 integrated pest management. Integrated pest
23 management is an environmental innovation.
24 Integrated pest management is one of the original
25 pollution provision programs that the USDA and EPA

1 held out to protect human health and the environment
2 at least with this agency.

3 So but what typically goes on is we
4 provide information and we have great webinars.
5 And, you know, extension people -- I'm an old
6 extension guy -- we want to hand out fact sheets and
7 information, but we learned early on that that is
8 not diffusion, that does not get individuals or,
9 more importantly, communities, like farming
10 communities, to adopt the IPM or resistance
11 management innovation.

12 So there needs to be some reconsideration
13 of this idea that okay, we are doing it because we
14 are giving out webinars and giving fact sheets. We
15 need to get back to some of the old extension models
16 of demonstration, in-field implementation,
17 confirmation, letting farmers, you know, know how
18 good a job they are doing, even getting them good
19 press if that is what it takes for confirmation.
20 So that is diffusion.

21 So when we turn in our report next time,
22 we are going to try to cover those areas as well.
23 So I just felt that it was incumbent upon me as the
24 IPM guy, but -- and a little bit of an historian
25 just by virtue of the color of my hair -- could say

1 that, you know, we are moving forward and this is
2 important. It is an existential threat to the
3 farming community, but also to human health and the
4 environment.

5 So this is important stuff and I
6 congratulate the agency for addressing it. Thank
7 you.

8 JEFFREY CHANG: We're going to move to the
9 three people in the room and Mark online. Dawn?

10 DAWN GOUGE: Dawn Gouge, University of
11 Arizona. I'm going to start by saying that speaking
12 just for insecticides because I'm an entomologist,
13 insecticide resistance has outpaced innovation at
14 this point. I'm going to start with that. I'm
15 going to finish by suggesting who I think will be
16 blamed for this catastrophe.

17 So, look, pyrethroid resistance in
18 malarious areas is causing hundreds of millions of
19 cases of malaria. I think the 2020 number -- I
20 looked it up before we spoke, before yesterday
21 actually, was 241 million cases. Now, most of those
22 are in sub-Saharan Africa, like 97 percent of those
23 cases. So maybe you think that is not actually
24 going to be an issue that we need to be concerned
25 about in the United States, but we have had malaria

1 cases -- endemically transmitted malaria cases in
2 the U.S. this year. And that is expected to
3 continue.

4 So now, you may also be thinking, oh, but
5 we haven't been chucking pesticides at enough
6 anopheles mosquitoes in the U.S., so we don't need
7 to worry about it for a while. There were drastic
8 reductions in the numbers of cases since 2015.
9 Since then, because of the resurgence of the disease
10 cases as a result of one primary reason, was they
11 (inaudible) through (inaudible) bed nets. Because
12 of that established resistance, the mosquitos that
13 arrive in this country don't assume they are not
14 coming with dramatically high levels of resistance
15 already within their own genome. So look, that is
16 going to impact the life -- everybody's life in the
17 U.S. at some point.

18 My work colleague, George Frisvold from
19 the University of Arizona, may dispute or may
20 support this estimate, but one estimate of just what
21 pesticide resistance costs in the U.S. per year is
22 approximately \$10 billion. So even if you are not
23 worried about sub-Sahara in Africa and the small
24 outbreaks of malaria in the country right now, that
25 should generate some interest for everybody in the

1 room.

2 There has been relatively little
3 advancement in traditional herbicide MOAs for
4 decades. There has been other wonderful transgenic
5 innovations, but in traditional herbicides, which
6 some groups to rely upon in some ways, there has
7 been relatively little advancement.

8 Farm level decisions are made socially
9 quite often. This is not going to be a problem
10 that cannot be ignored if we are going to find a
11 solution to this problem. This has to take a
12 transdisciplinary IPM approach. It has to or we are
13 not going to get a sustainable solution for any of
14 these complex resistance issues.

15 Pesticide resistance incentives are going
16 to have to be tied to either -- I don't know --
17 subsidies -- the USDA already subsidizes some crops.
18 I don't see why this would not be something that
19 might fit into the existing systems. Or even just
20 some of the insurance premiums that growers have to
21 -- and producers have to pay. There are mechanisms
22 that we can use to incentivize growers and
23 producers.

24 I'm nearly finished, I promise you.

25

1 So, you know, Monitoring, Nikhil just
2 captured it right at the beginning in one of his
3 slides where he talked about, you know, we are going
4 to scout, we're going to be strategic here, and then
5 the third step is how -- what was the efficacy of
6 those measures that were taken. That is the part
7 that frequently is missing in action, if you ask me.
8 I could give you lots of examples, but I will stop
9 there.

10 All right. So whose fault is this going
11 to be? Whose fault is it? Irrespective, right or
12 wrong, I would anticipate the EPA would be left with
13 holding the can on this, not that I would support
14 that, but I can tell you that it's probably going to
15 show up at your door at some point. It will be your
16 fault. Sorry.

17 Thank you.

18 JEFFREY CHANG: Joe?

19 JOE GRZYWACZ: Joe Grzywacz, San Jose
20 State. And only on the heels of that pretty
21 daunting and scary premonition into the future, I'm
22 going to begin with, you guys have to take a clue
23 from Tajah and you got to change your name. EPIC is
24 nowhere near RRWG. So, you know, think of a way to
25 change your name just to try to change the tenor of

1 the room just a little bit.

2 Point number two, it comes back to a
3 comment that I made yesterday. Science is a
4 valuable, valuable tool, but if we keep going down
5 the route of better and better physiology,
6 chemistry, biochemistry, that path, as Nate has
7 said, you know, kind of leads in one direction. So
8 I just simply want to kind of come back to that
9 point of sometimes science and reason, right, you
10 know, the whole continental divide of Western
11 philosophy going back to the 1700s, we're at that
12 place again where science can take us so far, but
13 then we also have to pick up with human reason,
14 human agency, human rationale to recognize that
15 people, at the end of the day, will be people.

16 If a little bit is good, more is always
17 better. Kind of like butter, kind of like cheese,
18 kind of like garlic, right? If a little is good,
19 more is better. And we have to recognize that that
20 is an idiom of human existence that all the science
21 and fact sheets and reports are not going to change
22 the minds of people, unless there is levers attached
23 to it. Like, all right, you want me to take a
24 short-term hit on my gains, give me some tax
25 deductions or some tax credits so that I can make it

1 to those long-term benefits that I might get if I
2 adopt this process.

3 Because it's really easy for economists to
4 be able to say -- no offense to the economists on
5 the phone -- it's really easy for economists to say,
6 but the long-term gains are going to be there
7 because the short-term gains are on the backs of any
8 given farmer, owner, operator in some way, shape, or
9 form. So that means that there needs to be a short-
10 term release to be able to facilitate some of the
11 behavior change.

12 Now, those are outside of the purview of
13 EPA, of course. But it speaks to the point of, at
14 one point or another, you can only science this to
15 death so much. It becomes a matter of will and we
16 need to help people see the will that is involved in
17 that and be able to pull lever A that says, I'm
18 willing to take the short-term risk for the long-
19 term potential, but I need a bridge to be able to
20 get there.

21 JEFFREY CHANG: Damon?

22 DAMON REABE: Hey, Damon Reabe with the
23 National Agricultural Aviation Association. I just
24 wanted to provide some perspective from the field as
25 a pesticide applicator. My two companies in

1 Wisconsin perform about one-half a percent of all
2 the aerial application that happens in the United
3 States. A half a percent is not a lot, but you are
4 hearing from somebody who does a lot of aerial
5 application.

6 Our business was started by my grandfather
7 protecting canning vegetables, peas, sweet corn,
8 green beans, from primarily insects. That began in
9 the late 1940s. There was a lot of pea production
10 in -- and there still is -- in Wisconsin and it
11 would be destroyed by the pea aphid. To this day,
12 that is a major pest in pea production.

13 To kind of give you some recent highlights
14 in what the pest populations have been in peas, in
15 2018, we had a pea aphid outbreak that resulted in
16 most of Wisconsin's pea pack getting sprayed with --
17 getting at least one insecticide treatment and
18 sometimes a second insecticide application treatment
19 was necessary.

20 In 2023 -- remember, the Wisconsin pea
21 production is measured in tens of thousands of
22 acres. We sprayed 300 acres for pea aphids. So
23 there is monitoring. It's intensive; it's highly
24 financially motivated because the chemicals cost
25 money and the application costs money.

1 Our pea crop this year was an absolute
2 record. There has never been a bigger pea crop in
3 the State of Wisconsin than what happened in 2023.
4 And so the only pesticides applied to that pea
5 crop would have been some -- potentially some
6 herbicide applications, depending on when it got
7 planted, depending on when the weeds emerged, but
8 the lion's share of Wisconsin's pea crop was raised
9 without a singular pesticide application, which is
10 remarkable. And that happened not because farmers
11 chose not to spray at all. It happened because they
12 couldn't find the pest because the field are being
13 monitored.

14 Another what has been what I would term an
15 extraordinarily reliable pest in Wisconsin has been
16 corn ear worm in sweet corn production. The
17 monitoring system is conducted by the companies that
18 contract with the farmers that ultimately can and
19 freeze the sweet corn. They have a pheromone trap
20 that works throughout the state and they monitor
21 those traps for the presence of the moths. When
22 there's enough moths there, they then will get a
23 hold of us to start spraying.

24 In 2023, it was the latest date that we
25 began spraying sweet corn in the history of our

1 family business. We started on August 20th. The
2 sweet corn pack is also very large in the State of
3 Wisconsin and that August 20th start date meant that
4 two-thirds of the sweet corn pack didn't need any
5 treatments of insecticide for corn ear worm.
6 Conversely in 2010, we started in mid-July. And
7 it's all based on this trapping program and based on
8 the findings of these moths.

9 I don't want to bore you with example
10 after example after example, but I'm not
11 experiencing, in our business nor my immediate
12 friends who have businesses throughout the country,
13 just people walking in the door to spray their
14 fields to just spray their fields because they had
15 to do it last year. It's always based on scouting.

16 Our spray schedule in potatoes is built
17 around the scouting schedule. So X field gets
18 sprayed on Thursday, for instance. It's picked --
19 Thursday it's picked because the field gets scouted on
20 -- typically on either Tuesday or Wednesday. That's
21 why they pick Thursday. They want to look at the
22 field to see what's there to know, A, if we are
23 going to spray and then B, what will we be spraying
24 it with.

25 The last point I'd like to make, I just

1 spoke with a gentleman who is working for a seed
2 company and he's doing research on white mold in
3 soybeans. The research that is being conducted by
4 the seed company is to determine how to break the
5 life cycle of white mold in soybean production. I'm
6 sure they would ask that I not talk about what they
7 are working on in a public forum, but what I can say
8 is what they're working on is actually changing the
9 structure of the plant to break the life cycle of
10 the very destructive pest so that pesticides aren't
11 needed to be used in order to control them.

12 I realize this is far beyond the purview
13 of EPA's part in this, but I think it is really
14 important for this committee to understand how much
15 effort, how much money, how much time is put into --
16 I'm going to just -- I just remembered another one.
17 We had an armyworm outbreak in wheat this year. I
18 can't tell you how many hours I spent on my hands
19 and knees trying to decide if the -- you know, are
20 the armyworms there, number one. Are they too big
21 to be sprayed? Is there enough of them? And then
22 going back to make sure it worked.

23 So this is, in fact, happening, and I
24 think it's been important for this committee to
25 understand that.

1 Thank you.

2 JEFFREY CHANG: Mark Johnson virtually and
3 Gary and we're moving on.

4 MARK JOHNSON: Thank you. You'll have to
5 figure me for no video this morning. I know in the
6 past I have brought this up to the EPA and the PPDC
7 before. The resistance issue is significant, but
8 not only in agriculture. So consider more than 60
9 million acres of turf and consider that even
10 multiplied by other valuable green space in the U.S.
11 and the value and the benefits of that green space
12 and turf, not just the 15,000 golf courses.

13 The fact is, it's very valuable. The
14 erosion and all the other benefits which I won't get
15 into focus on resistance before decisions are
16 ultimately made. A lot of the work on economics
17 based around agriculture and production aren't
18 available in the similar manner for turfgrass and
19 other green space.

20 I think it is significant that this
21 committee is working on this. I think it is
22 significant that the PPDC is discussing it. Just
23 from these comments this morning, we all know the
24 depth and breath of this topic is enormous. But we
25 have to keep the needle moving in research, and the

1 work that the USDA in specialty crop financing, that
2 has to continue because these men and women that
3 manage these green spaces come to education every
4 year in their states. They are exposed to IPM and
5 they are exposed to resistance, but they need
6 alternatives in many cases when single products
7 exist and there is none.

8 The fact is IPM and best management
9 practices to our industry and golf are significant.
10 And I know the EPA knows that. And in many others
11 of the green space, a lot of industries are
12 following in this suit and it's very important.

13 We are committed to the environment; we
14 are committed to human health. And it's been said
15 already that the cost of application chemistries are
16 not cheap. The labor to apply these chemistries are
17 not cheap, but the fact is, with weather extremes
18 and things, every environment is different and
19 weather extremes are causing influences today that
20 the practitioners have to deal with.

21 IPM is a significant part of it. We're
22 focusing on it. But when it comes to resistance, we
23 need to invest in the future. And I would encourage
24 the EPA, as you work through this resistance
25 committee, keep it going, keep this on the table for

1 future because it's going to be significant. And
2 when you make decisions, consider more than row
3 crops, as you've heard me say before.

4 And I like the comments from one of the
5 gentleman today, incentives. Incentives are going
6 to be significant. That will help you achieve
7 success with your mission of the EPA and not just
8 regulation. It's important because we rely on the
9 university scientists for their recommendations.
10 There are representatives on the ATRAC and the other
11 resistance committees that know this and they know
12 what exists in ag, they know what's out there in
13 turf, but we need more.

14 And I just want to keep that on the record
15 that the 60 million acres of turf is one drop in the
16 bucket of green space and it's more than ag, and I
17 think as we work on this topic, we should not lose
18 sight of that. But the other half of it is that
19 investment in the research to drive solutions and
20 that education, there are opportunities for it in
21 existence, but we have to fuel that education with
22 these scientists to provide those best practices and
23 achieve success here.

24 Thank you for allowing me my comments.

25 JEFFREY CHANG: Gary?

1 GARY PRESCHER: Well, thank you. A couple
2 of personal comments and then regarding some
3 research of other things. But from a personal
4 standpoint, I see that we have opposing ideas here.
5 For example, when I look at the climate change
6 initiatives that the industry and I am adopting on
7 my farm, it creates opposing forces. All right?

8 I am working at understanding and adopting
9 crops, for example, okay, for obvious -- for good
10 reasons and conservation practices, you know, no
11 till for good reason. All right? It minimizes
12 erosion, the runoff issues that we all understand,
13 air quality, greenhouse gas emissions, all those
14 things that we are becoming aware of in our
15 industry.

16 So I just understand we need a toolbox to
17 work with those initiatives and that side of our
18 industry that there's a lot of focus on right now.
19 All right? And that toolbox includes IPM. And I
20 think there is some really good opportunity to reset
21 that with the next generation and younger generation
22 of farmers that live around me. They are very
23 interested in the environment. For example, soil
24 health practices, they are the ones that really
25 adopted the practices in my neighborhood, you know,

1 and -- so there are some opportunities to reset
2 those -- that bar and reeducate out there in terms
3 of IPM practices, the importance of it.

4 And then just to build on Damon's
5 testimony here, you know, because USDA and our state
6 entomologists worked with soybean aphids and
7 predators, you know, and introduced some new
8 predators into that. Millions of acres haven't had
9 to be sprayed now for soybean aphids in Minnesota
10 where I live because of that type of research. So
11 things continue to evolve. Yes, resistance has been
12 a long-term problem and it is not going to go away,
13 and I'm thankful for the research we have going on
14 in all the different sectors, be it industry, be it
15 land grant universities, be it the EPA.

16 So one other good news, when it
17 comes to weeds, I know the NCGA and others have
18 started to invest in weed seed technology,
19 destruction research. Okay? So that would be
20 something that -- and that's because things get so
21 bad out there where, you know, you just can't use
22 herbicides to control, for example, the rye grass or
23 Palmer amaranth. So some of these other
24 technologies are being researched now and
25 potentially can help us down the road with at least

1 weeds.

2 So I just want to thank you for the time
3 to make those comments and appreciate it.

4 ED MESSINA: Thanks.

5 Can you come back at 1:30 so we can do any
6 motions? Yeah? Okay. So I think what we'll do,
7 we'll do the motions at 1:30 at the other session
8 rather than doing them now.

9 UNIDENTIFIED FEMALE: Yeah, that's fine.

10 ED MESSINA: So we can cut out some time.

11 UNIDENTIFIED FEMALE: How about a five-
12 minute break?

13 ED MESSINA: A five-minute break and then
14 we'll come back and do EJ and then we'll eat a
15 little bit into lunch, but we'll make sure you guys
16 have some time for lunch. So, thanks, everyone.
17 Five-minute break.

18 (Break.)

19 ED MESSINA: Also, if you arrived today
20 and weren't here yesterday, please sign in on the
21 sign-in sheet. We're using it to ensure that we
22 have a quorum, which we did have yesterday and we
23 have today as well. It's 20 plus 1, is the quorum,
24 and we've reached those on both days. But I wanted
25 to make sure that, you know, Jim and Mano got to

1 sign in and others who joined today. And welcome
2 and we'll try and do an introduction at the 1:30
3 spot so you can say hi to everyone and tell everyone
4 who you are. Thanks, everyone. We'll get started.

5 BILINGUAL LABELING AND OTHER ENVIRONMENTAL

6 JUSTICE ISSUES

7 JEFFREY CHANG: Now, we will be led by
8 Mike Goodies, Deputy Director of OPP, in bilingual
9 labeling and other environmental justice issues.

10 MIKE GOODIS: Great. Thanks. Thank you,
11 Jeffrey.

12 So I'm pleased to chair this session on
13 the environmental justice-related work here at EPA
14 and, in particular, bilingual labeling. You'll see
15 on the first slide here this segment was from 10:40
16 a.m. until 12:00. So I already failed in that area,
17 but we'll try the best we can to move things along
18 and we'll make adjustments as we go forward.

19 So here's the agenda. I'll walk through
20 it quickly so you know what to expect. I'll kick
21 things up with just an update on an Executive Order
22 regarding environmental justice.

23 Then Steve Schaible from our immediate
24 office here in OPP will give you an update on PRIA 5
25 implementation specific for environmental justice-

1 related type activities. Sue Bartow from our
2 Pesticide Reevaluation Division will give you an
3 update on bilingual labeling efforts, and then Aidan
4 Black, also from our Pesticide Reevaluation
5 Division, will give you an update on various worker
6 protection activities.

7 And then we have a special session, our
8 very own Mayra and Mily will give us farmworker
9 perspectives on bilingual labels and, I think, maybe
10 some other worker-related issues, and then we will
11 have discussion time and we'll adjust the times.
12 Depending on where we are at, we'll make adjustments
13 with times.

14 In the PPDC meeting in May, we shared with
15 you some information on some recent Executive
16 Orders, in particular, for advancing racial equity
17 and support of underserved communities and then an
18 update on that order as well. What I wanted to do
19 in this session was share with you again, another
20 fairly recent order. This one was signed by
21 President Biden back in April of this year. And
22 this one builds upon prior orders advancing
23 environmental justice and modernizing and improving
24 how the Federal Government confronts environmental
25 injustice.

1 So this order is -- achieving
2 environmental justice as part of its mission
3 includes 16 directives for agencies, such as
4 identifying, analyzing, and addressing
5 disproportionate and adverse human health and
6 environmental effects and hazards; federal
7 activities; and also evaluating relevant legal
8 authorities.

9 The Executive Order also expands the
10 definition of environmental justice to mean just
11 treatment and meaningful involvement of all people,
12 not only with regard to income, race, color, or
13 national origin, but also tribal affiliation or
14 disability. The definition also includes full
15 protection from hazards, but also equitable access
16 to healthy, sustainable, and resilient environment.

17 So federal agencies are being directed to
18 address the effects of climate change, cumulative
19 impacts of environmental and other burdens, historic
20 inequities, and systemic barriers.

21 So I brought this up because I wanted to
22 point out that, you know, again, the topics we are
23 talking about here in this session on bilingual
24 labeling and worker protection activities, some of
25 those are driven by our PRIA 5 statute, but some go

1 beyond that as well. But I also wanted to share
2 with you we have a number of other environmental
3 justice-related activities taking place within our
4 program.

5 For instance, you know, we have feedback
6 recommendations from other advisory committees
7 regarding children's health and looking at ways of
8 improving or evaluating take-home exposures from
9 farmworkers and also for youth in agriculture and
10 exposures that they may be receiving also in the
11 field.

12 Also, we are looking to expand our
13 assessments in considering bystander exposure for
14 different populations as well. Part of PRIA 5 also
15 authorizes continued funding for the SENSOR incident
16 data. So we are trying to explore how better to use
17 that information in our assessments as well.

18 Ed mentioned during our program overview
19 the risk concerns -- cancer risk concerns from
20 ethylene oxide. So there's an ongoing effort with
21 that with other parts of the agency for making sure
22 that we put in protective measures for people that
23 live -- not only workers in a facility --
24 sterilization facility, but also communities around
25 the area. And we are also exploring looking at --

1 for potential pesticide exposures from groundwater
2 sources. Many of them located in farmworker
3 communities.

4 So those are just a touch of some of the
5 other types of activities. I just didn't want you
6 coming away thinking that what we are talking about
7 today are the only ones that we're actually pursuing
8 and exploring.

9 So with that, I will turn it over to Steve
10 Schaible, and, again, he will give an overview of
11 PRIA 5 and some of the EJ-related activities.

12 STEVE SCHAIBLE: Hi there. My name is
13 Steve Schaible. I am the PRIA coordinator in the
14 Office of Pesticide Programs, according to Mike and
15 Ed. And I'll kick this off with an overview of PRIA
16 and PRIA 5, as soon as I figure out the remote.

17 The Pesticide Registration Improvement
18 Act, or PRIA, was first authorized in 2004 and
19 created a registration service fee system whose
20 purpose was to provide additional resources to OPP
21 in order to achieve more predictable and faster
22 registration decisions on registrant applications.
23 In addition to establishing fee categories and
24 decision time frames, PRIA and its reauthorizations
25 have included a variety of provisions important to

1 both industry and NGO stakeholders.

2 EPA serves, as an aside here, in an
3 advisory capacity in develop into each of these
4 bills, offering technical assistance to the PRIA
5 coalition and to Congress, the PRIA coalition being
6 a diverse group of pesticide stakeholders, including
7 the NGOs and industry trade associations.

8 PRIA has been authorized four times since
9 the initial law, the most recent being the Pesticide
10 Registration Improvement Act of 2022, or PRIA 5.
11 This was signed into law in December of last year
12 and was actually -- this effort was a year early.
13 PRIA 4 was to go through 2023, and I will say that
14 we all agree that, given the current circumstances,
15 that ended up being a wonderful gift.

16 So getting into PRIA 5 specifically and
17 some of the EJ provisions in PRIA 5, PRIA 5
18 continues and introduces a number of set-asides from
19 maintenance fees that are relevant to environmental
20 justice. These include new set-asides for
21 farmworkers. First, for farmworker training and
22 education, this replaces and increases funding for a
23 previous worker protection activities set-aside
24 under PRIA 4 and also adds different provisions,
25 sort of targets who can apply for those grants and

1 stakeholder input into those grants.

2 Secondly, healthcare provider training
3 relating to the recognition, treatment, and
4 management of pesticide-related injuries and
5 illnesses, as well as the development of
6 informational materials for the technical assistance
7 and training of healthcare providers.

8 PRIA 5 continues maintenance fee set-
9 asides for partnership grants as well as pesticide
10 safety education programs. It creates a new set-
11 aside to support the interagency agreement with CDC
12 NIOSH to support the SENSOR Program for pesticide
13 incident surveillance with the goal of increasing
14 the number of participating states in the SENSOR
15 survey, as well as prioritizing expansion in states
16 with the highest number of agricultural workers.

17 PRIA 5 amends FIFRA to require bilingual
18 Spanish language translation to end-use pesticide
19 product labels. Specific deliverables or deadlines
20 in 2023 had to with outreach to farm -- to the
21 stakeholders regarding ways to make bilingual
22 labeling accessible to farmworkers. There was a due
23 date in PRIA 5 that that activity needed to occur by
24 June of 2023.

25 Secondly, PRIA 5 indicated that EPA is to

1 cooperate and consult with state partners on the
2 implementation of bilingual labeling. All these
3 activities occurred -- we were quite active in that
4 outreach in 2023. It is worth noting that while the
5 June deadline was met, EPA views these are ongoing
6 conversations with those stakeholders. I don't
7 think we view that we're going to stop those
8 conversations in 2024 or beyond.

9 At this point, I'm going to hand off to
10 Sue Bartow, who will be going into greater detail on
11 bilingual labeling provisions and EPA activities to
12 date on that.

13 SUE BARTOW: Hi, everyone. My name is Sue
14 Bartow. I'm a chemical review manager in the
15 Pesticide Reevaluation Division, and I'm a member of
16 OPP's Spanish Labeling Workgroup, and I'm going to
17 do an overview of the PRIA 5 bilingual labeling
18 requirements and then give you the highlights of
19 what we have been working on to address those
20 requirements.

21 So as Steve mentioned, PRIA 5 amended
22 FIFRA, requiring Spanish language translation for
23 sections of the end-use pesticide product labels
24 where a translation is available in EPA's Spanish
25 Language Translation Guide. The Spanish language

1 translation must appear on the product container or
2 a link to the translation via some sort of scannable
3 technology or other electronic method must be on the
4 product label.

5 The Spanish Translation Guide that the
6 agency had put together can serve as a resource for
7 pesticide registrants as they translate sections of
8 the pesticide labels and the Guide focuses on the
9 health and safety portions of a label. If the guide
10 is used, that will assist with accuracy and also
11 consistency in Spanish language on the pesticide
12 labels.

13 Next slide.

14 The PRIA 5 provides deadlines for the
15 various bilingual labeling requirements and it
16 includes a rolling schedule for the Spanish language
17 translations to appear on product labels starting
18 with the most hazardous or toxic products first.
19 The restricted use pesticides are the first ones to
20 require the translations and that is due in December
21 of 2025. Also, agricultural products that are not
22 RUPs, but have a Tox Category I will also be
23 required to have the translations in December of
24 2025.

25 Agricultural non-RUPs that have an acute

1 tox category of II are due within five years or by
2 December of 2027.

3

4 PRIA 5 includes deadlines also for
5 antimicrobial products and nonagricultural products.
6 Those that have acute Tox Category I will be
7 required to have Spanish labeling translations
8 within four years or by December of '26. And for
9 those products with an acute toxic category of two,
10 their translations are due within six years or by
11 December 2028.

12 All other pesticide products are required
13 to have the Spanish translations within eight years
14 or by December of 2030.

15 PRIA 5 also provides timing provisions for
16 when or if the Spanish Translation Guide is updated.
17 Specifically, it says the agency must notify
18 registrants within ten days of updating the Spanish
19 Translation Guide, and it also provides timing for
20 when the labels must then be updated. So generally,
21 for ag use products, it's one year after the Guide
22 is updated that the labels must be updated and, in
23 general, for the antimicrobial and non-ag products,
24 it is two years after the Translation Guide is
25 updated.

1 Next slide.

2 There are also implementation requirements
3 in PRIA 5, specifically label changes to add the
4 bilingual labeling are to be implemented through a
5 non-notification process. The non-notification
6 process means that a product label may be updated
7 with the Spanish translations without notifying EPA
8 or EPA reviewing the label as long as that is the
9 only change being made to the label.

10 PRIA 5 also outlines additional
11 requirements, including specific timelines for their
12 completion. Some of these requirements are that EPA
13 must cooperate and consult with state lead agencies
14 for pesticide regulation to implement bilingual
15 labeling. EPA must seek stakeholder input on ways
16 to make bilingual labeling accessible to farmworkers
17 and, as Steve had noted, that was due to be
18 initiated by June 2023.

19 EPA is required to develop, implement, and
20 make publicly available a plan for tracking the
21 adoption of the bilingual labeling, and that is due
22 within two years or by December of 2024, and EPA
23 shall also implement a plan to ensure that
24 farmworkers have access to the bilingual labeling
25 within three years or by December 2025.

1 So to address the PRIA 5 requirements for
2 seeking stakeholder input on ways to make bilingual
3 labeling accessible to farmworkers, that first
4 deadline that was due this past June, we held a
5 national webinar and then we also opened a public
6 docket for public input.

7 So the agency posted questions in advance
8 to solicit feedback on several topics, including
9 communication approaches and strategies,
10 technologies and connection issues, on the ground
11 logistics, potential partners, and also how to
12 implement these actions.

13 So for the national webinar, there were
14 more than 380 participants that attended and we had
15 31 speakers provide feedback on how to make
16 bilingual labeling accessible to farmworkers. This
17 slide highlights some of the recommendations that we
18 received. They touched on a variety of topics
19 including the need for the agency to consult
20 farmworkers directly. There were recommendations
21 that this could be done through focus groups and
22 partnerships with community associations.

23 We received suggestions to include
24 pictures, graphics, or audio because the
25 comprehension of farmworkers may be at a lower

1 education level. One commenter recommended that it
2 could even be at a second grade level.

3 The importance of providing culturally
4 relevant information was also discussed by several
5 speakers. We received recommendations of locations
6 where written materials, and/or an electronic link
7 to those materials, such as a QR code, could be
8 provided, and we also received a recommendation to
9 provide information in a way that it could be viewed
10 at home, so as not to cut into the time that workers
11 could be working.

12 To potentially address issues with lack
13 of internet or cell service, we received
14 recommendations to preload information into mobile
15 applications or potentially provide an offline
16 option that can be downloaded.

17 Next slide.

18 The public docket for receiving written
19 comments on accessibility was open from June 20th
20 until August 21st. During that time, we received 36
21 comment submissions, including comments from Mayra
22 and Mily's organizations, Farmworker Justice and
23 Alianza Nacional de Campesinas.

24 In general, the recommendations we
25 received in the public docket were similar to the

1 recommendations that we received during the national
2 webinar. Some of the specific recommendations in
3 the public docket comments included coordinating
4 with various stakeholders on an accessibility plan
5 and its implementation; developing a plan that can
6 be effective without internet access, possibly by
7 having printed labels available or by using an
8 application with downloadable labels; communicate
9 the availability of labels so that workers know they
10 are available, and some of the specific suggestions
11 for that included having an education and outreach
12 campaign or doing -- sharing information through
13 social media or posters or potentially radio
14 announcements in Spanish.

15 We also had recommendations to provide
16 support for workers so they can understand the
17 labels, and some of the recommendations for that
18 were possibly having a hotline available for them to
19 call or developing a video.

20 There were also recommendations for
21 electronic access of labels and commenters asked EPA
22 to consider small file sizes that are phone and
23 small-screen friendly. Also, consider the ability
24 to be able to toggle between the English and Spanish
25 label translations, and then, also, a recommendation

1 to provide labels on a bilingual version of PPLS.

2 In addition to comments on making labels
3 accessible to farmworkers, we also received
4 recommendations on other topics, including feedback
5 on translations that are in the Spanish Translation
6 Guide. Those recommendations are also being
7 considered by the agency.

8 Next slide, please.

9 So OPP has been actively engaging
10 stakeholders, one, to explain the PRIA 5
11 requirements, also to get feedback on accomplishing
12 them, and then we've also have been sharing updates
13 on our activities. Some of our outreach has
14 included presenting bilingual labeling charge
15 questions regarding farmworker accessibility to the
16 National Environmental Justice Advisory Council last
17 March.

18 We have been participating in quarterly
19 farmworker advocacy stakeholder calls. We have
20 participated in meetings with industry
21 representatives, such as the CLA RISE Regulatory
22 Conference last April and also a call with the PRIA
23 Coalition and industry representatives in September.
24 We've participated in meetings with SFIREG, AAPCO,
25 and PPDC.

1 Last July, we participated in a call with
2 state lead agencies and also in a virtual workshop
3 for state lead agencies and industry
4 representatives. That was with the PRIA Coalition
5 and the National Association of State Departments of
6 Agriculture.

7 We have participated in calls internally
8 at EPA with our OCSPP and OECA regional staff. We
9 met with the Tribal Pesticide Program Council's
10 Executive Committee and, just last week, we also
11 participated in a meeting with the U.S., Mexico,
12 Canada Technical Working Group on Pesticides.

13 I also want to highlight a couple of our
14 upcoming activities. We have four focus groups
15 scheduled to be held with farmworkers in Region IX
16 in the coming months, and we look forward to
17 receiving that feedback on how to make pesticide
18 labeling accessible to farmworkers.

19 Next slide.

20 In addition to the feedback that we
21 received on our accessibility requirement of PRIA 5,
22 we've also received feedback on other aspects of the
23 new PRIA 5 requirements during our various outreach
24 efforts that I touched on in the last slide. In
25 general, we have received a lot of comments in

1 support of the bilingual labeling requirements, and
2 that's from various stakeholders.

3 We have also heard concerns, though, about
4 some of the new requirements. We have heard
5 concerns about how the PRIA 5 requirements will be
6 implemented from states and also from farmworker
7 advocacy groups. We have also heard concerns about
8 enforcement from those same groups. We have heard
9 concerns about the resources that may be needed to
10 comply with the PRIA 5 requirements from states, and
11 we have also heard concerns about the Spanish
12 Translation Guide from industry, specifically that
13 some of the translations may be out-of-date and need
14 to be updated.

15 So we are keeping all this feedback in
16 mind as we are working through the PRIA 5
17 requirements.

18 Next slide.

19 As far as next steps, there is a Spanish
20 Labeling Workgroup in EPA's Office of Pesticide
21 Programs with approximately 20 members from across
22 the various divisions in OPP. The workgroup is
23 now heavily involved in the work to comply with the
24 PRIA 5 bilingual labeling requirements.

25 We recently divided ourselves into

1 subgroups to work on the various PRIA 5
2 requirements. So we have an accessibility subgroup
3 that is working through the public feedback from the
4 webinar and from our public docket. We have a
5 communication subgroup developing text for a
6 website, and this will also include a section of
7 frequently asked questions that we have received
8 during our various outreach efforts.

9 We have a tracking subgroup that is
10 currently investigating our internal systems and
11 processes to develop a plan for tracking the labels
12 with Spanish translations. We have a Spanish
13 Translation Guide subgroup working through the
14 comments we received on the Translation Guide.

15 So we are pulling a lot of information
16 together now and we plan to continue engaging with
17 states and all of the other stakeholders as we
18 proceed.

19 That is the end of my slides. I will pass
20 it to Aidan.

21 AIDAN BLACK: Thank you, Sue. Hello,
22 everyone. I am Aidan Black, also with the Pesticide
23 Reevaluation Division. I am in the Certification
24 and Worker Protection Branch.

25 All right. So here's a brief overview of

1 the updates I will be going over, starting with
2 certification of pesticide applicators; then PRIA 5
3 environmental justice-related grants; the
4 implementation of PPDC recommendations from the
5 farmworker and clinician training workgroup; and,
6 lastly, an AEZ rulemaking update.

7 So there's a lot of content in these
8 slides. I may not cover all the details, but the
9 slides will be shared with links included
10 afterwards.

11 So as Ed mentioned yesterday, a huge
12 accomplishment this year was the approval of the
13 certification plans. All 50 states, the District of
14 Columbia, five territories, six federal agencies,
15 five tribes, and the EPA plan for Indian Country
16 were approved before the November 4th deadline.
17 That is 67 plans in total.

18 The approval process took over three years
19 and was a major effort by OPP and EPA's regional
20 offices to work with these regulatory agencies and
21 ensure that each plan met the federal standards.

22 The approved certification plans -- oh,
23 I'm sorry. I skipped over the map. There we go.
24 There is a nice visual of it all.

25 So the approved certification plans will

1 provide greater protection for the environment and
2 human health.

3 For a little background on the
4 certification of pesticide applicators rule, it sets
5 the standards for the use of restricted use
6 pesticides, or RUPs. Because RUPs have the
7 potential to cause adverse effects, they can only be
8 used by or under the supervision of a certified
9 applicator. Each certification program now has an
10 EPA approved plan that is in line with the 2017
11 certification of pesticide applicators rule.

12 More detail on the certification rule, in
13 general, it sets standards for pesticide applicators
14 to become certified in the use of RUPs, and the 2017
15 rule specifically enhanced competency requirements.
16 It added new specialized categories. It established
17 a national -- nationwide minimum age for pesticide
18 applicators. It enhanced noncertified applicator
19 qualifications, which are now more in line with the
20 WPS handler training requirements, and it also
21 restricted recertification periods to a maximum of
22 five years.

23 Our role includes rulemaking and approval
24 of plans, as well as the support of the
25 certification programs. This comes in the form of

1 assisting state lead agencies in submitting annual
2 reports, as well as funding the pesticide safety
3 education programs, or PSEPs, through cooperative
4 agreements.

5 Now that the certification programs have
6 approved plans, we will focus on supporting
7 implementation. Each plan has its own
8 implementation schedule. OPP supports
9 implementation through its cooperative agreements,
10 including the Pesticide Education Resources
11 Collaborative, or PERC, which develops manuals for
12 specific certification categories, as well as the
13 funding for state PSEPs that I mentioned earlier.

14 So now, I will go over some of the updates
15 for the PRIA 5 environmental justice-related grants.
16 I just want to mention up-front that these are not
17 all the set-asides in PRIA 5. For this section of
18 the presentation, I'll be focusing on set-asides
19 that support farmworker communities, which is
20 inherently environmental justice work.

21 So as Steve discussed earlier, PRIA 5 set
22 aside funding for EJ-related grants. The set-asides
23 for farmworker training and healthcare provider
24 training replace the previous set-aside that was
25 called worker protection activities. Under PRIA 4,

1 the worker protection set-aside covered farmworker
2 training, healthcare provider training, as well as
3 resource development for certification and worker
4 protection. The new set-asides provide more details
5 on the scope, eligibility, and worker protection
6 activities that will be funded.

7 There's also an increase in funding for
8 these agreements and technical assistance is also
9 provided as its own set-aside.

10 The Pesticide Incident Surveillance
11 Program has previously been supported by EPA, but it
12 is a new set-aside as well in PRIA 5. The set-
13 asides for partnership grants and PSEPs are
14 extensions from PRIA 4. The funding amounts listed
15 here may be supplemented by additional
16 appropriations.

17 We have made some really good progress for
18 each of these awards. We completed the
19 administrative procedures to set up listings for the
20 new set-asides. We are now in the stakeholder
21 engagement phase for the first two set-asides listed
22 here and highlighted in yellow. The farmworker
23 training education grants, we are developing the
24 request for information, or RFI, that will solicit
25 input on our proposed program design, which we aim

1 to publish in early 2024.

2 We have already published an RFI for the
3 healthcare provider agreement, and the comment
4 period for that RFI will be open for one more week.
5 I'll have more information on both of those
6 agreements in some later slides as well and how that
7 incorporates the PPDC recommendations from 2021.

8 Moving onto the SENSOR pesticides
9 interagency agreement, that is already in place with
10 CDC/NIOSH. Currently, EPA funds are supporting the
11 Incident Surveillance Program in Washington, Texas,
12 North Carolina, and Georgia.

13 We are currently processing a new award
14 for the National Pesticide information Center, or
15 NPIC. The current agreement expires in February
16 2024 and we do not anticipate a gap in services.

17 Lastly, the new PSEP agreement was awarded
18 this fall, which we will discuss more on the next
19 slide.

20 The PSEP agreement is key for supporting
21 the nation's certification programs, consists of
22 subawards to PSEPs at land grant universities. The
23 first year of the new agreement is funded at \$1.5
24 million. PRIA 5 only provides \$500,000 a year. So
25 EPA is supplementing with an additional \$1 million

1 for the first year. There is also a higher award
2 ceiling than for the past agreement.

3 We also see this agreement as an
4 opportunity to support environmental justice work
5 and design new PSEP agreement to promote
6 collaborations with minority-serving institutions.

7 No, I'm going to go over OPP's work to
8 implement the recommendation from the PPDC
9 Farmworker and Clinician Training Workgroup. A
10 little background, in 2021, this workgroup was
11 charged with providing EPA recommendations on how to
12 address reporting requirements for PRIA set-asides
13 focused on farmworker protection activities. The
14 workgroup provided EPA with two sets of very helpful
15 recommendations in October of 2021, including 15
16 farmworker training recommendations and nine
17 clinician training recommendations.

18 So here is a summary of the farmworker
19 clinician -- or farmworker training recommendations.
20 The new PRIA 5 set-asides provide a great
21 opportunity to implement these recommendations with
22 the farmworker training education grants. As I
23 mentioned earlier, we are currently designing a new
24 program which incorporates the PPDC's feedback and
25 there is a link here to the full list of the

1 recommendations as well.

2 Specifically, the new program will focus
3 on supporting community-based efforts to ensure that
4 farmworker training works within the cultural
5 context of the many unique farmworker communities
6 across the country. Again, we plan to publish an
7 RFI in early 2024 to get feedback on the proposed
8 program design.

9 Here is a list of the clinician training
10 recommendations. I'll click through these. The
11 link is also provided for the full list. These
12 recommendations have been incorporated into the
13 proposed program design and in the RFI that I
14 mentioned earlier. To publish that RFI in September
15 for public comment on our proposed healthcare
16 provider training design. The proposed design build
17 on the work of past agreements includes new
18 objectives to ensure that the program has both
19 national reach and local applicability through
20 collaboration with community-based organizations.
21 There is also an increased emphasis on reporting of
22 pesticide-related illness.

23 The comment period is open for one more
24 week. The link to the docket is provided in the
25 slide, which will be shared afterwards. Feedback

1 collected from the RFI will be used to inform a
2 notice of funding opportunity for this program.

3 I just want to go over other ways that we
4 are -- EPA's existing corporate agreements are also
5 implementing the PPDC worker recommendations. So
6 the Pesticide Education Resources Collaborative, or
7 PERC, develops resources that support EPA's
8 implementation of both the certification of
9 pesticide applicators and worker protection
10 standard. PERC has funded subawards for
11 agricultural community-based projects, or AgCBPs.
12 There are currently six AgCBPs that have been
13 awarded at a total of over \$540,000 in funds.

14 These AgCBP recipients include Campesinos
15 Sin Fronteras in Arizona, Toxic Free North Carolina,
16 Farmworker Association of Florida, Ag Health and
17 Safety Alliance, National Center for Farmworker
18 Health and Surry Medical Ministries.

19 PERC has also put out a request for
20 applications for the next round of AgCBPs.
21 Applications are due on February 1st, 2024, and PERC
22 anticipates funding the next round by August of
23 2024.

24 In addition to PERC, OPP has other
25 agreements that support worker protection

1 activities. The Association of Farmworker
2 Opportunity Programs, or AFOP, administers the
3 current National Farmworker Training Program. I
4 mentioned NPIC earlier as there will be a new
5 agreement in the near future through the PRIA 5 set-
6 asides. The existing agreement will be in place
7 until February 2024 and that provides science-based
8 information about pesticides for the general public.
9 Lastly, PERC-Med was the previous healthcare
10 provider training agreement recipient, which
11 concluded their agreement in August of this year.

12 I have a quick update on the AEZ
13 rulemaking. EPA published a proposed rule
14 reconsidering the AEZ provisions of the worker
15 protection standard, that a 2020 rulemaking sought
16 to amend. Because of a court order stay on the 2020
17 AEZ rule, the 2015 WPS requirement has remained in
18 effect.

19 The proposed rule seeks to reinstate the
20 AEZ's applicability beyond the boundaries of the
21 agricultural establishment and within easements. It
22 also proposed to reestablish the AEZ distances for
23 ground-based spray applications.

24 There are two provisions from the 2020
25 rule that EPA proposed to retain. First is the

1 clarification that suspended applications can resume
2 after people leave the AEZ and second is an
3 immediate family exemption that allows farm owners
4 and immediate family to remain inside enclosed
5 structures during applications or the houses in the
6 AEZ.

7 The 60-day comment period on the proposed
8 rule closed on May 12th. We received 25 unique
9 comments from a variety of stakeholders. We have
10 reviewed those comments and the final rule is under
11 development. We anticipate publication of a final
12 rule in late spring 2024. There is a link for
13 periodic updates on the AEZ as well.

14 Mike, I'll hand over to you.

15 MIKE GOODIS: Very good, Aidan. Thank
16 you. Now, we have set aside some time for Mily and
17 Mayra to share their perspectives as well. I will
18 let you decide who is going first.

19 MILY TREVINO-SAUCEDA: Thank you. Mily
20 Trevino-Sauceda with Alianza Nacional de Campesinas,
21 and I forgot to translate it before, the National
22 Alliance of Farmworker Women.

23 I was very happy to know that you included
24 in the presentation a lot of the recommendations
25 that we -- some of our organizations sent, which is

1 very good. And I want to read some information that
2 will be also helpful and maybe some of it -- because
3 I hadn't seen it before -- some of it might be
4 repetitive, but I want everybody to -- it's not that
5 long based on the amount of time I usually take.

6 But I'm going to talk about -- you know,
7 it's -- specifically, I'm going to start with the
8 bilingual pesticide labels. And what I had said
9 from yesterday, it's very -- for us, it's very
10 important that anything that is geared to a target
11 population, in this case, if it's farmworkers,
12 that's who we are talking about. That farmworkers
13 be involved in the review of whatever material, in
14 this case, labels; in this case, also
15 interpretation.

16 We use the term more "interpretation" than
17 just translation because it's very different how you
18 translate information. If it's not interpreted the
19 way it's culturally specific, it will not make sense
20 to that community.

21 So in terms of language barriers -- I'm
22 just going to read. Farmworkers in the U.S. are
23 made up of workers from different cultural and
24 ethnic backgrounds with varying levels of education
25 and literacy. And I also mentioned that yesterday.

1 And some people are saying the same.

2 We can have farmworkers that have done or
3 even have a career that come from other countries
4 and -- but their way of means or trying to find how
5 to sustain themselves, they end up doing
6 agricultural work and that means that they have
7 better literacy and education than -- but the
8 majority of farmworkers are people that are coming
9 from communities that there is not that much
10 education for them or opportunities because of their
11 economic situation or just the place where they're
12 coming from.

13 Many of them are also -- we have found
14 even in the studies that NAS has done, that 60 some
15 percent -- more or less 60 or 62 percent of
16 farmworkers have been found speaking the Spanish
17 language, which means that the other 38 percent,
18 more or less, might speak indigenous or some -- we
19 still have -- we do have a lot of Haitian workers
20 that, of course, know some English, but also do not
21 know Spanish or English. They might know
22 how to communicate it, but not read it. And I'm
23 talking about Florida.

24 The national alliance that I represent is
25 in 20 different states, and we cover the largest

1 states that -- where there is more agricultural,
2 like California, Arizona, Florida, Upstate New York,
3 Indiana, and some of the -- well, there are 20
4 states, but I wanted to mention some of those.

5 This is where we find more workers that
6 are indigenous. There's a lot of indigenous
7 communities, not just Oaxacan, which talk Mixtec, or
8 other languages. There are actually 60 some
9 languages in Mexico, just so you can have an idea.

10 And more and more people from Central
11 America are coming and are here, and we call them
12 domestic workers, domestic farmworkers. For the
13 same reason, this is why it is so crucial to provide
14 information in additional languages and methods, not
15 just English and Spanish, to be more responsive to
16 the workers.

17 There is some recommendations that we want
18 to say -- well, additional recommendations. It was
19 mentioned in terms of the graphics, and I know that
20 other presentations have been very clear, and I
21 think very understanding and more knowledgeable
22 about how important it is to use graphics or
23 pictures.

24 If you are going to use the digital, make
25 sure that that would allow for the label to be read

1 in different languages, and that is what we heard
2 from yesterday and there was some recommendations in
3 terms of how important it is to have focus groups,
4 have -- not just to hear from them from the
5 beginning, but to show part of the draft that is
6 being put together and have another -- this is how
7 we do it and this is why we are effective, because
8 we have a focus group with a certain group, and then
9 we prepare the material and then we shall again with
10 that same group and then they give feedback and then
11 the final draft is also shown to them, and they also
12 either give last recommendations or an agreement and
13 that has helped us make sure that we are doing and
14 being responsive with our communities.

15 Then something very important -- well, all
16 is important, but this -- because we know that there
17 is a lot of language barriers, one of the major
18 issues is that a lot more times, workers are trained
19 by supervisors or crew leaders or foreman, forewomen
20 that might have some knowledge about how to apply
21 chemicals and give that information just, you know,
22 without proper instructions and then workers just
23 follow. If they start asking questions, they end up
24 being threatened in different ways.

25 A lot more times, because many of them are

1 undocumented, who are the first to know that they
2 are undocumented is the crew leader, the one that
3 supervises them directly because they know where
4 they live -- where workers live, their families, et
5 cetera, and it's much harder for workers to even
6 complain, and they just follow whatever direction
7 they are given and that creates a lot more issues
8 with the worker.

9 Many more times, the -- when a worker
10 asks, you know, because there is the smell of the
11 pesticide or there is dust and people are afraid
12 because of other incidents that have happened or
13 fatalities have happened, the crew leader will come
14 back and say, well, it's only medicine for the
15 plant. And anybody that hears it's medicine for the
16 plant, they're going to think that it's not
17 dangerous, it's not poisonous because it is to
18 "cure" the plant, which we all know that pesticides
19 are dangerous and it has different levels.

20 So there is -- as I was saying yesterday,
21 it's very different when we talk about how we want
22 things to be done and written and put together and
23 send it out there with workers or with the
24 companies. When you start implementing it or
25 workers start using whatever they're given, it's a

1 very different scenario. It's not the same thing.
2 So work focus groups should be considered in terms
3 of not just hearing from people, but seeing if
4 that's out there, if it's going to work.

5 So the other part that I wanted to talk
6 about and maybe also give as a recommendation -- and
7 part of it was already in there -- let me see. I'm
8 surprised in a very good way that there will be four
9 focus groups in Region IX, which is where -- in
10 California. It covers California. So we didn't
11 know about that. On this right now, I'm hearing.

12 And I'm also glad that two of our -- which
13 we already knew, two of our member organizations are
14 also getting grants. They were able to qualify for
15 that and that's great. I know that they are doing
16 great work. So I would call it like pilot testing,
17 whatever you're going to provide, and pilot testing
18 is not the same as you just do the focus groups and
19 then you have everything prepared and then throw it
20 out there. It's also, see if it is going to work
21 for them, because the majority of the time, we end
22 up getting information that -- as I'm going to
23 repeat again, that we think in this room or maybe
24 within EPA or federal agencies, that it's -- it
25 looks great, it's very -- it makes sense to us, but

1 the majority of the time, it might not make sense in
2 -- with our target populations.

3 I think -- well, there's a lot more, but
4 I'm going to give Mayra -- because I usually take a
5 lot more information or say more than what I need.

6 MAYRA REITER: Thank you, Mily. We
7 appreciate EPA's efforts to collect input from
8 stakeholders and implementation of bilingual
9 labeling because as the labeling is implemented,
10 it's going to be important, not just that
11 farmworkers know about its availability, but also
12 that we ensure that they have physical access to
13 that information, which is why you may have noticed
14 that the recommendations that farmworker groups have
15 made fall into two different categories. One of
16 them is increasing awareness and the other is to
17 ensure the physical access to that information.

18 There are farmworkers out there that
19 handle pesticides without having proper training.
20 They need to be aware of the hazards that those
21 chemicals pose. So this isn't just important for
22 the handlers. We need to remember that other
23 farmworkers are exposed in various ways when they
24 are in the field. They are exposed in their home
25 sometimes through pesticide drift. There are many

1 different routes of exposure for them. And they
2 also need to know about the health risks they face
3 and they need to know about what they are being
4 exposed to.

5 Since the conditions in every workplace
6 are different, it is going to be important that
7 there are various means of conveying that
8 information, and Mily already referred to those.
9 Also, there are different formats that is
10 linguistically and culturally appropriate. We are
11 hoping that in preparing this information to be
12 released and any materials and tools that EPA
13 develops, that there will be consultations with
14 farmworker groups throughout the process, and I have
15 to say the EPA so far has been a very good job of
16 seeking feedback from groups. We are hopeful that
17 that will continue throughout the process of
18 implementing the bilingual labels.

19 So once again, I would like to thank EPA
20 for the efforts that they have been making in this
21 area and we look forward to collaborating as the
22 bilingual labeling is implemented.

23 Thank you.

24 MILY TREVINO-SAUCEDA: I promise I will be
25 short. I will say this, and with all due respect,

1 but the majority of the time that we are talking
2 about issues and how come farmworkers do not
3 complain, how come farmworkers are having all these
4 issues, and many more times its representatives that
5 are speaking on their behalf. It has to do with all
6 the kinds of retaliations to start with. And I hate
7 to say it, but I have to say it. This is a country
8 that is still very racist and it has still allowed
9 for agricultural workers, not being part of the Fair
10 Labor Standards Act, not part of the industrial
11 relations.

12 We were exempt from being part of the
13 protections and that has allowed for many
14 unscrupulous growers, ranchers, that the only thing
15 they care about is either hiring labor contractors
16 or hiring other people that will take care of their
17 business as long as they get their profits, and that
18 has created another means of slavery, modern
19 slavery.

20 It's -- for us, it's something that -- we
21 are always thinking, why do we have to be living in
22 2023 under no protections? The majority of the
23 states do not provide any protections, much less
24 health insurance; much less -- you know, if someone
25 gets injured on the job, it's the choice of the

1 company if they want to provide the worker
2 compensation, et cetera, et cetera, et cetera.

3 There's a lot of marginalization, there's
4 a lot of exploitation, and there is a lot of abuse,
5 and it's very open for that. I say it because I
6 lived it. My family lived it. We have relatives
7 that have lived it. We were migrants. Some of us
8 were born in the State of Washington, others in
9 Idaho, and others in Mexico, and then we ended up in
10 California. We went through so much and we still
11 see this happening. And it's so -- for me, it is so
12 ironic that this is a country that has a lot to be
13 very proud of, but I don't think we should be proud
14 of how some workers, especially farmworkers, are
15 treated with no dignity and no respect. And that's
16 very shameful. Very, very shameful.

17 I'm glad that EPA is putting a lot of
18 effort and, hopefully, they will continue listening
19 to what we are trying to say here. Please make sure
20 that farmworkers are sitting at the table when any
21 information is going to be put together, materials,
22 anything, labels, anything, so they can give
23 feedback. Not just certain workers, several
24 workers. You're going to get the best feedback.

25 We do that and we are effective because we

1 do that. We engage people. Because we lead -- we
2 believe that everybody is -- if people do not have
3 -- have had the opportunity to go to school, people
4 are smart. I didn't have any high school before. I
5 did not have any high school because I was a
6 migrant. The same thing with my siblings. Not
7 until I was an adult. But I was able to decide on
8 that. I went back and learned I was very smart, and
9 I start -- and I learned that from many of the
10 people that we are working with. Not having these
11 kind of opportunities of being educated or having a
12 career doesn't mean that you're not smart.

13 We are. And we have the experience from
14 where we live and the kind of work we do and we can
15 guide you with that.

16 Thank you.

17 JEFFREY CHANG: Thank you for that.

18 We can move on to discussion, starting
19 with Joe. Name and affiliation, please.

20 JOE GRZYWACZ: I don't have a question,
21 but as a representative of a university -- Joe
22 Grzywacz, San Jose University -- I want to do my
23 best to try to make as concrete as possible some of
24 the things that Mily just said.

25 I will use a simple word, run. Three

1 letters. I have a run in my stocking, he hit a home
2 run, I'm going to go for a run, will you run that
3 program. That three letter word, R-U-N, means
4 something different in each of those five sentences.
5 So the notion of being able to translate a complex
6 concept like the AEZ, the designated representative,
7 the central posting area, all those things mean
8 stuff to people in the room.

9 But, A, it does not have a direct
10 translation. B, even if there was a direct
11 translation, language is symbolic. I have been
12 saying this now for two days. Language is symbolic
13 and the only way to understand that symbolism is to
14 make sure that there is a shared understanding of
15 that.

16 So part of what Mily and Mayra are saying,
17 to kind of help convey this notion of it's not just
18 translation. It's being able to recognize that
19 without the ability to formulate a thought around
20 that thing because the translation is less than
21 imperfect, it makes it exceedingly difficult to
22 understand and implement the very things that are in
23 the worker protection standard training. All right?

24 So that's the first thing I want to point
25 out is remember that. Run, a simple word that we

1 all use every day. It only has meaning when you put
2 it in a sentence and then you can start wrapping
3 things around that. That is why translation is so
4 hard and that is why it is so complex to convey
5 these huge ideas like the AEZ, like the centralized
6 posting area.

7 Point number two, remember that the things
8 that you all take for granted every single day, like
9 you go home, you give your kids a hug, farmworkers
10 can't do that. They are supposed to take a shower
11 first. Otherwise, there is a para-occupational
12 exposure from the residue that are on the plants,
13 that are on their clothes, that are on their hair,
14 that are on their skin, and all the other kinds of
15 things. You all take that for granted. Every day,
16 I get to come home and give my kids a hug. But,
17 yet, we advocate and we expect farmworkers to follow
18 our rules, of course, for their best interest. But,
19 yet, they can't give their kids a hug when they get
20 home.

21 That is the concrete meaning of some of
22 the ways that the wonderful procedures and the
23 things that are in place, hard-fought battles of the
24 worker protection standard to get where we are
25 today. That's the boots-on-the-ground work in terms

1 of how it actually operates. And it's important to
2 recognize that complexity and I applaud EPA for the
3 great work. I mean, quite honestly, I was afraid at
4 the end of 2022 or whatever when the farmworker and
5 clinicians group gave their recommendations, I was,
6 oh, you guys are just going to -- you're just going
7 to table those. So kudos to you guys for making
8 sure that you push those important ideas forward.

9 But I also want people to recognize the
10 gravity of how hard this work is. And so,
11 therefore, to see to it that when we are hearing
12 these discussions about translation, well, that
13 shouldn't be a big deal, we've got artificial
14 intelligence to do that for us. Um, yeah, no. all
15 right?

16 So I would encourage to, in whatever ways
17 that you can, it's a resource-stretched institution,
18 but I would really encourage that if there's any
19 ways of trying to leverage more resources into that
20 particular space, that is where you are going to see
21 the impact. And I'll stop preaching.

22 JEFFREY CHANG: Becca?

23 BECCA BERKEY: Thank you for this
24 reporting. And I -- yeah, I would agree with so
25 much of what has been said. I am Becca Berkey. I'm

1 at Northeastern University in Boston, Massachusetts,
2 and also part of the Farmworker Health Injustice
3 Team through Coming Clean. I'm going to make some
4 of these comments with my kind of academic hat on
5 from the perspective of being an environmental
6 sociologist.

7 I think one of the things that I kind of
8 want to punctuate from what has been shared -- and,
9 I think it's in some of the slides and some of the
10 reporting, but would love to like bring it out more
11 when we're hearing I think some of the work that's
12 being done, is really around the intersectionality
13 of the marginality, the farmworkers' experience
14 because that is really what, in addition, to the
15 just very direct fact that they are working in
16 fields that are being sprayed with pesticides, it is
17 also their race and identity, their citizenship
18 status, their gender or sex, their socioeconomic
19 status and so much more than that that compounds
20 that vulnerability.

21 It also makes tracking and reporting,
22 which is obviously a priority, I think, within what
23 was just kind of shared with us, it makes it very
24 complex to do. Right? So thinking about that, you
25 know, I think just to build off of the

1 recommendations that I think Mily and Mayra were
2 sharing, I think, first and specifically around
3 focus groups -- you know, I've only been part of
4 this group -- this is my third meeting, and I think
5 that it's clear to me as I look through EPA reports
6 and even hear the presentations here, that there is
7 a value on kind of positivist or post-positivist
8 research. Right? This like numbers are everything.

9 And as we think about things like focus
10 groups and some of the best practices around that --
11 and this may already be here and I'm just not
12 hearing about it, but I would love to hear more
13 about the approach to other forms of research that
14 are valid, thinking about things like community-
15 based participatory research, constructivist
16 research, and other kind of emergent research
17 methodologies that allow for the iteration that I
18 think Mily was just speaking to of actually
19 responding and then coming back and really thinking
20 about what the associated methods are with those.

21 And, again, I think that might be
22 happening, but as a person who does mostly
23 qualitative research, I think I don't know how the
24 focus groups or the webinars or the different data
25 collected from that are going to be analyzed and

1 turned into these themes and I'd be interested to
2 hear more about that.

3 And then thinking about the goal of
4 meaningful involvement, I think one thing that comes
5 to mind for me, particularly as you're thinking
6 about kind of pilot testing some of the different
7 solutions that are put out there, is really
8 involving people with expertise in user interface,
9 user experience design and research, and it feels
10 like that will be pretty crucial probably and in
11 kind of making sure that process is iterative and
12 responses are being made to the sorts of feedback
13 that are being given period and then things are
14 being retested and repiloted until it's right, or as
15 right as it can get, and that it can evolve and be
16 nimble over time.

17 And then, obviously -- and I think this
18 goes without saying, but I think I just want to lift
19 up that all of that should be done in collaboration
20 with organizations like Mily's and Mayra's to make
21 sure that the people who have the trust of
22 farmworkers and people in the fields -- and I
23 commend you all for doing that so well so far, but
24 continuing that work to make sure that those voices
25 are at the table and that that work is continued,

1 expanded, and continually incorporated into the work
2 that is being done in this area. So thank you.

3 JEFFREY CHANG: Jim Fredericks?

4
5 JIM FREDERICKS: Hi, everyone, Jim
6 Fredericks with the National Pest Management
7 Association. Sorry I missed yesterday's -- the
8 first day of the meeting. I'm really glad to be
9 here with everybody together and really enjoyed the
10 dialogue, the conversations that are happening.

11 Our organization represents 20,000 small
12 and large businesses across the United States that
13 have close to 150,000 pesticide applicators who are
14 visiting homes and businesses every day. So I get
15 the -- definitely concerns about label
16 interpretation because often the English label
17 interpretation is often up for debate among our
18 folks and we are always trying to figure out what
19 does that English mean and the vast majority of our
20 workers are English speakers.

21 As our industry grows, we are becoming
22 more and more diverse, and we have more and more
23 people who English is not necessarily their first
24 language. And although the vast majority are
25 probably English speakers, that doesn't necessarily

1 mean that they are confident in their English
2 reading. They certainly are often feeling like they
3 would be more comfortable to see these labels in
4 their native languages. So I applaud the effort. I
5 think this is really great and look forward to
6 seeing that.

7 And we certainly recognize that there are
8 all kinds of issues and certainly this idea of
9 interpretation and some languages being symbolic.
10 I think about -- I'm sitting here thinking about the
11 jargon even within our industry that we see on
12 labels, like a space treatment. I don't know if
13 that translates well. Or a crack and crevice
14 treatment, I don't know if that translates well.
15 And so I certainly would encourage the OPP to engage
16 with stakeholders as part of that process to make
17 sure that in Spanish -- the Translation Guide is
18 kind of well thought out before that first version.

19 My question, I guess, would be for OPP is
20 -- and think this is a simple question, would the
21 Spanish Translation Guide, would that go through
22 like the normal comment system, you know, comment
23 period? Would that have an opportunity for public
24 comment because that would be a great opportunity,
25 you know, for industry at large and, you know, for

1 stakeholders at large to provide feedback as well.

2 UNIDENTIFIED FEMALE: So the Translation
3 Guide is currently available on EPA's website. The
4 first version is already out there. As far as
5 public comment on revisions, I think there has been
6 some discussion about if there are terms or phrases
7 that are up for debate or that there are -- it's not
8 clear cut that maybe we would want to get some
9 feedback on that, others that are maybe more
10 straightforward, perhaps not. But it's still
11 something that we are discussing.

12 JEFFREY CHANG: Nathan?

13 NATHAN DONLEY: Thanks, Nathan Donley,
14 Center for Biologic Diversity. Well, first, I want
15 to thank Mily and Mayra for giving their perspective
16 here today because it's so important that we are all
17 reminded of this often, and I appreciate you telling
18 your stories here, for sure.

19 I want to acknowledge some of the
20 environmental justice progress that this office has
21 made in the last few years. There have been issues
22 that farmworkers in at-risk communities have brought
23 to the attention of the agency that you're finally
24 getting around to doing, and that is really good to
25 see and I know there's a lot of work that wasn't

1 necessarily presented on here today, and I want to
2 acknowledge that.

3 But I also want to talk a little bit about
4 the registration process because I think a lot of
5 the progress you are making in other areas can
6 sometimes be undercut by what is going on in
7 registration.

8 I want to talk about the organophosphate
9 registration review because it's going on right now
10 and I think it is relevant for this environmental
11 justice conversation we are having. You know, right
12 now, EPA has decided to use NAMs, or new approach
13 methodologies, kind of like in vitro experiments
14 that are being developed now to supplant animal
15 experiments and studies. EPA is using NAMs as
16 pretty much a sole line of evidence in deciding not
17 to regulate organophosphates as a class when it
18 comes to concerns about developmental neurotoxicity.

19 We are starting to see the implications of
20 that decision now, most recently, in the acephate
21 review -- it's a very widely used organophosphate,
22 especially in agriculture -- where EPA has decided
23 to get rid of child protections for acephate, which
24 again is, again, organophosphates, one of the
25 neurotoxic classes of chemicals known.

1 And there is just a rich amount of
2 epidemiology on organophosphates in general being
3 associated with pretty severe neurodevelopmental
4 outcomes, as well as acephate specifically, the
5 Chemico (phonetic) study, for instance, multiple
6 different outcomes with this cohort, which by the
7 way was designed specifically to look at associative
8 harm to those most vulnerable from pesticide
9 exposure, the most at-risk populations. And all of
10 this epidemiology was discounted in favor of NAMs,
11 the in vitro studies.

12 You know, the acephate analysis was billed
13 as a weight of evidence approach, which is great,
14 but in my opinion it really wasn't a true weight of
15 evidence approach. You know, it was an approach
16 that unjustifiably prioritized one line of evidence
17 over another and it was an approach that recognized
18 limitations in epidemiology, while at the same time
19 not recognizing the even greater limitations of
20 using a few in vitro NAM studies to try and model
21 what is going on in one of the most complex,
22 intricate nervous systems in the animal kingdom.

23 The neurodevelopmental harm associated
24 with organophosphates are things like learning
25 disabilities and behavioral problems and reduced IQ

1 points and to think we can get any reliable
2 information from that from, you know, I mean, a
3 clump of cells in a freaking petri dish, I mean,
4 that's a fairytale right there. And I understand
5 the pressure and the excitement around NAMs to start
6 using these right away, but they are just not ready
7 when we're talking about chronic health effects,
8 especially when the epidemiology is telling you the
9 exact opposite.

10 So, you know, to use NAMs specifically to
11 get rid of protections, that's dangerous, and that's
12 just not -- that's just not my opinion, that is the
13 opinion of the Children's Health Protection Advisory
14 Committee that EPA consulted on its work here and
15 the 2020 FIFRA SAP. Both of them said you cannot
16 use NAMs to justify getting rid of protections.
17 Those data cannot not be used in that way.

18 So, you know, I just want to say -- you
19 know, tout your environmental justice success
20 because there have been some. But, in my opinion,
21 the agency is creating a brand new environmental
22 justice problem as we speak in the organophosphate
23 registration review by getting rid of these
24 protections.

25 So the fact that we are in 2023 parsing

1 about organic phosphates is just -- you know, it's
2 terrible. More than 20 years after the passage of
3 the Food Quality Protection Act, which was designed,
4 by the way, to protect kinds from -- from above all
5 else organophosphates and carbonates.

6 So I urge the agency to really just think
7 long and hard about what it is doing and how it is
8 using these NAMS because if it's wrong -- and I
9 think history will show that it is -- you know, that
10 the agency is, it's farmworkers and it's young kids
11 who are going to be having the impacts here. I've
12 worked in this area for about eight years now and I
13 keep seeing the conservatism in the risk assessment
14 process kind of slowly being clawed away.

15 You know, it's not uncommon to read a
16 response to comments that says, you know, we found
17 some slight LOC exceedances for farmworkers, but,
18 you know, our registration process is so
19 conservative that we don't think this is very
20 likely. And a little part of me dies every time I
21 read that because that conservatism exists for a
22 reason.

23 It doesn't exist just to be explained
24 away. It exists to protect people like that six-
25 month-old that is crawling around on the floor and

1 getting a bunch of pesticide-laden dust on their
2 hands and then shoving that fist into their mouth
3 and sucking on it for like 20 minutes. Kids do that
4 stuff. And the farmworker, who's got more
5 organophosphates in their blood than 99.9 percent of
6 the rest of the country, you know, these are the
7 people that conservatism is meant to protect, and I
8 keep seeing excuses to get rid of that conservatism
9 as if it is somehow not needed.

10 So I just urge the agency to view
11 conservatism in risk assessment as an asset and not
12 a detriment, not something that needs to be
13 addressed or refined away. That is all.

14 Thanks.

15 JEFFREY CHANG: The last three comments,
16 Anastasia?

17 ANASTASIA SWEARINGEN: Thanks. I will try
18 to be really brief. So I want to take us back to
19 labeling a little bit and I think it is really
20 helpful to hear the perspective from those who don't
21 necessarily have access to the label and so it's
22 interesting to hear what Spanish and other types of
23 interpretation would be needed to understand what is
24 on the label, especially when you are not seeing the
25 label itself. I think it's really interesting as we

1 think about the environmental justice and the
2 bilingual labeling to think about how do you convey
3 things outside of the traditional labeling concept.

4 We talked about the labeling group
5 yesterday, and I think we have heard a lot in that
6 discussion about how difficult it is to align on
7 language when everybody has so much flexibility,
8 there are so many different types of products.
9 We've talked a lot about agricultural products
10 today, but, obviously, there are any other
11 pesticides.

12 So as we think about translating all of
13 these into other languages and making them easy for
14 people to understand in English and Spanish, you
15 know, I really encourage those who have these
16 considerations to think about working with the label
17 workgroup on how we can make the English more
18 effective, but also recognizing that we are very
19 much kind of constrained by what's in the law,
20 what's in the regulations, what's in the label
21 review manual. So let's see, you know, can we work
22 on some of those issues in that workgroup, too, to
23 address some of these concerns.

24 JEFFREY CHANG: Mano?

25 MANOJIT BASU: Thank you. Manojit Basu,

1 CropLife America. Sorry I missed yesterday. I know
2 that it was a great day and a lot of good topics.
3 Thanks, Aidan, for the good overview on all the set-
4 asides and programs and some of the funding that is
5 being provided.

6 Just a quick comment, if it's possible for
7 future PPDC meetings hearing exactly what those
8 programs are and how they are making an impact on
9 the ground would certainly be helpful.

10 Thank you.

11 JEFFREY CHANG: Thank you.

12 With that, we will break for lunch. It's
13 12:35 p.m. We are back at 1:30 p.m.

14 (Lunch break.)

15 OPEN DISCUSSION & MOVING FORWARD

16 ED MESSINA: Let the record reflect that
17 everyone was on time, exactly at 1:30 p.m. It's
18 1:40 p.m.; we're convening. And we're going to do a
19 little picture. If you want to be in it, great. If
20 you don't, you can step to the side. Really I'll
21 use it for a future PowerPoint, probably. That's
22 where it's going. And we use it for our internal
23 communication. So I think we are going to take it
24 from that corner there and then just kind of look
25 down this way.

1 While we are talking, because Michelle has
2 to leave at 3:00 and so I want to get her in the
3 picture and then thank her for her work here.

4 [Taking picture]

5 ED MESSINA: So our next session, Michelle
6 is going to put up on the screen kind of a
7 whiteboard, and really the purpose of this session
8 is to give any PPDC members a chance to talk about
9 anything they would like to talk about. We're going
10 to have the agenda up here. And if there's any
11 topics that folks want to revisit, that would be
12 another appropriate comment. Also, if there are
13 topics that you thought we should have talked about
14 during this PPDC and didn't get a chance to talk
15 about and maybe put it on the agenda for the May
16 meeting, that would be something that we can talk
17 about, and anything coming out of the workgroups or,
18 you know, topics that folks think warrant a future
19 workgroup would also be a part of the topics.

20 Anything else to cover?

21 (No response.)

22 Okay. So it's really, again, your
23 discussion. Please put your tent cards up if you'd
24 like to add anything about any topics that were on
25 the agenda, not on the agenda, things that your

1 association is working on and the folks that you are
2 representing here that you wanted the PPDC to be
3 aware of.

4 So with that, it looks like we have our
5 first card with Keith.

6 KEITH JONES: Keith Jones, BPIA. I want
7 to thank my esteemed colleague, Joe, for encouraging
8 me just to remind folks when we talk about
9 resistance management, we would encourage the
10 workgroup and EPA to really factor in the benefits
11 of biopesticides specifically with regard to IPM and
12 resistance management. I don't want to give the
13 impression that they are a silver bullet, but we
14 believe they are an important part of the solution.
15 So I just wanted to get that on the record. Thanks,
16 Joe.

17 ED MESSINA: Thank you, Keith. Mark?

18 MARC LAME: So usually I try to talk a lot
19 after lunch, that way it keeps me awake. No, just
20 in response, you know, fortunately, there are a
21 number of new technologies that are relatively new
22 technologies that are really going to help in this
23 and we're going to try to cover that in our report.
24 So please make sure when we do the report, you know,
25 if we left out anything or whatever else, we would

1 add that in. But, I mean, there was stuff talked
2 about today that wasn't even a part of a lot of what
3 we were thinking many years ago on IPM, you know,
4 with the degree day temperatures, charged particles,
5 all kinds of things. So we want to make sure we get
6 them all, so we will need your help to list them as
7 far as the technologies that are available.

8 I think what is really important -- and I
9 believe our partners with USDA, Cameron, are going
10 to be -- you know, have already given a lot of
11 thought to it is when it comes to some of those
12 technologies, USDA is -- that's kind of their
13 bailiwick, which is why we need to pay close
14 attention on implementing some type of strategy that
15 gets out of the stovepipe, because that's where, you
16 know, folks naturally end up. I get it. But if we
17 are going to be successful, we have to basically
18 break down those barriers.

19 JEFFREY CHANG: Joe?

20 JOE GRZYWACZ: Only because it's fun,
21 translate stovepipe so that everybody knows what
22 that means, only to make the connection to make the
23 point.

24 MARC LAME: And even having more fun at
25 siloing.

1 ED MESSINA: I call them our impenetrable
2 cylinders of excellence.

3 JOE GRZYWACZ: Way to put a positive spin
4 on that.

5 ED MESSINA: We are just so good right
6 here, we don't know what else is happening. We are
7 like amazing right here.

8 MARC LAME: That's why Ed gets an A for
9 political management.

10 UNIDENTIFIED MALE: [Microphone issue.]

11 JEFFREY CHANG: Turn on the mic, please.

12 UNIDENTIFIED MALE [Microphone issue.]

13 Is to be respectful of different kinds of
14 knowledge. And what I mean by that is, Ed, after
15 your opening comments, I went back and I read
16 through Freya Kamel's paper on paraquat and
17 Parkinson's disease, and then I went and read the
18 other paper and I got the impression -- I'm sure it
19 was not your intent, but I got the impression that
20 it was sort of the second paper negated the first
21 one. But the point is is that, yes, they both came
22 from the agricultural health study, but they were
23 working with different segments of the cohort, they
24 were asking different questions, and they had
25 different scientific designs.

1 And, admittedly, the second scientific
2 design is a stronger scientific design, but it also
3 was weaker in some ways because it had a much more
4 precise endpoint than what Freya had because they
5 were talking about incidence rather than prevalence,
6 but it had the same crude indicator of exposure that
7 Freya had. So it really demanded a lot from those
8 particular data to actually find the same finding
9 that Freya found back in 2007.

10 I use that not to penalize anything,
11 because as comments have been made, there's lots of
12 ways of interpreting science. But I get the sense
13 that because our legacy is much more in the sort of
14 basic bench sciences, that we tend to revert to that
15 model of interpreting data. We are looking for the
16 mechanism of action or looking for the lab study
17 that we can situate certain elements in. So,
18 therefore, when we see something like a NAM that's
19 growing things in a petri dish, we love to think
20 that science is going to help us understand this
21 interactive multi-organismic kind of thing down the
22 road in 10 or 15 years after all sorts of
23 environmental exposures. But study can't inform
24 that outcome. But, yet, we want to think that high-
25 tech bench science is going to be able to answer the

1 question.

2 So I would really encourage us to be
3 thinking more in terms of multi-science, in terms of
4 how we make sense of the data, but then also how we
5 implement that. One of the problems with the
6 implementation of the subgrants to community-based
7 organizations is that we are imposing a very linear
8 process on these community-based organizations.

9 So for example, I'm helping the Farmworker
10 Association of Florida implement one of their
11 projects, and just as their project was getting
12 started, Governor DeSantis decided to take aim at a
13 group of people, and so that organization had to
14 pivot all of their resources to respond to that
15 farmworker community. But, now, their feet are
16 being held to the fire about what about this promise
17 to PERC on this project. There needs to be some
18 flexibility in terms of how we are not only
19 interpreting it, but then the way we expect others
20 to operate in that environment.

21 I don't have a recommendation around that
22 space, as much as just simply to illustrate how the
23 two models don't necessarily go hand in hand, but
24 there needs to be some flexibility, respect,
25 recognition that, as somebody said the other day,

1 this might be our day job, but for other people,
2 it's their night job or their second or third shift.
3 So being able to have some understanding of that I
4 think is warranted.

5 JEFFREY CHANG: Charlotte?

6 CHARLOTTE SANSON: Thanks. So one
7 suggestion -- and I think what we heard a lot of
8 here in the past couple of days was so much
9 discussion on labels and label topics, right? So it
10 seems -- you know, it's probably pretty obvious that
11 there is so much overlap, right? There are some
12 intersections between what's going on with the Label
13 Reform Workgroup and incorporating endangered
14 species statements. What we heard today about --
15 the discussion this morning on bilingual labels and
16 the challenges with that was so informative. It
17 really was helpful, the language that we use on
18 labels, that sort of thing.

19 So I think just seeing some kind of
20 matrix, maybe just having a discussion on the matrix
21 of where everything overlaps and comes down to
22 labels, I think a discussion on that would be
23 helpful and whether it's here in PPDC or it's -- I
24 certainly don't think we need another workgroup, but
25 it's something that the Label Reform Workgroup

1 perhaps can take a look at as well.

2 We will never stop talking about labels
3 and trying to improve and streamline the information
4 on labels is going to be a constant effort. As
5 registrants, I know we are committed to doing that,
6 but more discussions -- keep the discussions going
7 on that because it is a critically important
8 component of what we do.

9 And then one suggestion, and I know I
10 discussed this with Michelle earlier, I know that
11 getting the presentation slides in advance is so
12 helpful, so that we can come to the meeting informed
13 and know what to expect other than -- you know, the
14 agenda topics, we can kind of guess what is going to
15 be discussed, but when we actually have the slides
16 and then we can go back and look at them during
17 somebody's presentation and say, oh, slide five, we
18 would like more clarity or whatever and have some
19 discussion, because it really does help for having a
20 constructive and productive discussion.

21 And I'm sure what it comes down to is
22 discipline for the presenters and the time that they
23 have, or lack thereof, of getting their presentation
24 slides done on time. So I appreciate the work that
25 everybody puts into that, but it is very helpful to

1 have those ahead of time.

2 JEFFREY CHANG: Alexis?

3 ALEXIS TEMKIN: Thank you. Alexis Temkin,
4 Environmental Working Group. I wanted to bring back
5 the topic of new approach methodologies, and I think
6 this is something that also came up at like a past
7 PPDC meeting. I think there was even maybe this
8 like maybe we want a workgroup on it, maybe not, but
9 like before we knew how workgroups actually get
10 performed and maybe the work that goes into them.
11 But it did seem like there was a general interest in
12 having it, I think, as a future topic of discussion.

13 And there probably are already internal
14 workgroups at EPA working on NAMs and I know there's
15 like a flurry of publications coming out on new
16 approach methodologies from within the EPA's
17 different divisions as well as National Toxicology
18 Program and things like that.

19 But just to bring up, I think some general
20 concerns on how those methods are being implemented
21 in registration review and also potentially with the
22 upcoming, you know, really like revamping and
23 generation of data within the endocrine disruptor
24 screening program and emphasizing just that for
25 certain endpoints, I'm thinking, you know, really

1 complicated chronic endpoints, like endocrine
2 disruption, like developmental neurotoxicity,
3 immunotoxicity, thyroid toxicity, some of those
4 really important chronic long-term health impacts,
5 that those NAMs are not necessarily validated yet,
6 but they shouldn't exonerate chemicals or be used as
7 a way to sort of say this has no effect or no
8 concerns.

9 So just, I think, a deeper conversation
10 about them, and how they are being used in different
11 parts of registrations would be really helpful and
12 useful.

13 JEFFREY CHANG: Anastasia?

14 ANASTASIA SWEARINGEN: Thanks. I really
15 appreciate all the discussion today and all the work
16 that presenters did to put together these slides. I
17 agree that having them in advance would be helpful,
18 but as someone who helped do slides, I know that we
19 are a little bit late sometimes. But we can
20 certainly work on that and have them to you well in
21 advance.

22 One thing that I know we have talked about
23 and I have heard come up is EPA's approach to
24 systematic review. It was a discussion in PRIA 5
25 and I know that there is ongoing work for an OPPT

1 framework on that. So maybe for a future topic for
2 an update is maybe having where are we on that. If
3 it is time to do that, it might not be at the May
4 meeting, but maybe a future meeting, it would be
5 good to kind of hear where they are and how it
6 applies to pesticides.

7 One other thing, we heard a lot about kind
8 of getting the end users involved, and I don't have
9 a suggestion for what this might look like in a
10 work stream, but we have a pretty good line into
11 hearing from the farmworker communities and they are
12 here. But I'm wondering how we kind of get some of
13 the other pesticide user reviews. I think through
14 the EPIC, we have had some outreach to some user
15 communities that are outside the traditional
16 agricultural use, but thinking about how in future
17 meetings and honestly in the registration review
18 process, we take the input from some of those other
19 end users and -- I'm sorry, I don't have a good
20 suggestion for how to do that, but just something
21 that I think I will noodle on and maybe encourage
22 others to think about how we kind of get those
23 perspectives here.

24 JEFFREY CHANG: Walter?

25 WALTER ALARCON: Good afternoon. Buenas

1 tardes. My name is Walter Alarcon with
2 NIOSH/CDC. I'm currently the Pesticides Program officer
3 for the SENSOR Pesticides Program. And at this
4 time, I would like to offer some comments about
5 recent activities in the SENSOR Pesticides Program.

6 Through the Office of External Programs,
7 NIOSH funds California, Illinois, and Michigan to
8 conduct acute pesticide poison surveillance. And as
9 discussed this morning, we have an IA, interagency
10 agreement, between NIOSH and EPA, and the purpose of
11 the IA is to expand the capacity of this SENSOR
12 Pesticides Program. Specifically, these funds have
13 increased the number of states receiving financial
14 and technical support (inaudible) the SENSOR
15 Pesticides Program, improving acute (inaudible)
16 pesticide (inaudible) use or in its capacity with
17 industry stakeholder partners.

18 Using these funds provided by the IA,
19 NIOSH has awarded contracts to state health
20 departments in North Carolina, Texas, and Washington
21 State. And, we expect to receive data
22 -- 2021 data within the coming weeks and we have
23 recently worked with the Georgia Department of
24 Health and we hope soon that we can (inaudible)
25 SENSOR Pesticides Program so we can also work --

1 benefit from that data.

2 About two weeks ago, we conducted our
3 annual SENSOR pesticides training workshop in Saint
4 Augustine, Florida. We (inaudible) help of our
5 colleagues in Florida, the Department of Health, who
6 volunteered to organize this year's workshop, even
7 though Florida does not receive fundings to conduct
8 surveillance on pesticide poisonings.

9 I think the goal of this workshop is to
10 improve our skills in coding cases of acute
11 poisonings and learn from experience from our
12 colleagues. This year, we have (inaudible)
13 attending, the EPA, NIOSH and Canada, 24 persons
14 attending in person and about 10 percent to 12
15 percent represented virtually.

16 I would just like to say that a key part
17 of the workshop is the case (inaudible) exercise.
18 This helps us to improve our data accuracy and to
19 learn -- to help us learn from farmworkers. The
20 Florida Department of Health asked Jeannie Economos
21 -- we know her, right -- from the Farmworkers
22 Association in Florida to come to talk with us. In
23 order to help us learn from farmworkers directly,
24 the Florida -- the Department of Health coordinated
25 with Florida's Worker Safety Program, in Florida,

1 the Department of Agriculture and Consumer Services,
2 and we were able to visit two sites in person and
3 talk to the farmworkers so to learn from them.

4 I will now discuss some activities we're
5 doing at this point. We plan to complete a review
6 of the data on poisonings from state programs and
7 then share this data with the EPA's Health Effects
8 Division before the end of this year. The EPA's
9 Health Effects Division will use this data to inform
10 EPA's risk assessment processes.

11 Also, we are analyzing data on our work
12 papers. We completed the analysis on acute
13 poisonings related to mosquito control applications,
14 acute pesticide poisonings among farmworkers, and if
15 time allows, we plan to finish two other papers on,
16 again, pesticide poisonings in retail industry and
17 among adolescents.

18 Now, SENSOR is the sentinel (inaudible)
19 for occupational risks on pesticides. Back in
20 October 2021, we presented how we work, our
21 (inaudible) and our (inaudible). So I would
22 encourage our members to visit that page and review
23 what we have done in the past. And if you have
24 questions, we are always willing to share with you
25 our -- what we do in the SENSOR Pesticides Program.

1 Our goal is to provide data to the EPA so they can
2 inform policymaking and we can -- we work in NOISH
3 to produce papers that can also support protection
4 of workers.

5 Thank you.

6 JEFFREY CHANG: Anyone else or anyone
7 online that wants to make a comment?

8 Mily?

9 MILY TREVINO-SAUCEDA: I was going to wait
10 if someone online was going to talk.

11 Mily Trevino-Sauceda with Alianza Nacional
12 de Campesinas, which is the National Farmworker
13 Women's Alliance. And I'm trying to put together
14 why or how to explain -- I think Spanish first and
15 then I translate it to English. So please bear with
16 me.

17 Yesterday, I mentioned it was very
18 important for us to continue having a farmworker
19 working group. And I know we presented some
20 charges, and I know based on the presentation, you
21 have been following up. But there is also -- I feel
22 that the farmworker working group needs a space to
23 not only voice like I have been doing here, how
24 Mayra has been doing and some companeros --
25 colleagues have been doing it, companeros. But it's

1 more about trying to understand how we can break
2 gaps, help out in terms of breaking gaps of all the
3 different things that I was mentioning, some of us
4 have been mentioning.

5 It is a larger gap than we all think in
6 terms of communication. And I will give an example.
7 While I was working in the fields with my family and
8 other coworkers, the only thing you're thinking
9 about is how you are going to make sure you're going
10 to do your work right and finish at a certain time
11 and make sure that you're going to have enough
12 earnings during the day, et cetera, et cetera.
13 There's a long conversation about that.

14 But then when things started happening in
15 terms of people getting hurt or -- because I
16 personally -- you know, my family -- two of my
17 brothers got injured on the job. They were minors.
18 We had no idea where to go. That is just an
19 example. When someone told us that there was this
20 agency, Legal Services, that was there to provide
21 services, not necessarily about what had happened to
22 my siblings because that was in Idaho, and by then
23 coming to California, there was more openness in
24 terms of people wanting to ask questions.

25 I had no idea, even though we had learned

1 -- some of us have learned about our rights because
2 California is the only state that has full
3 protections right now. Not during the time I was
4 doing farm work, but throughout the years, we now
5 have full protections.

6 When we were introduced to the Legal
7 Services agency, that is supposed to be doing
8 assistance, providing assistance. Of course, later
9 on, I learned about it because I started working
10 with them, et cetera, and doing a great job
11 whatsoever. But it's how, you know, people that
12 come from other countries, even though some of us
13 were born here in the United States, we were
14 migrants, you know, we would go and come. Not
15 everybody is undocumented. So we would come back.
16 My mom never liked living in the United States
17 because of the treatment.

18 When we ended up coming to California, it
19 was cultural shock, completely, even though I had --
20 we had lived in Idaho and then coming -- going back
21 to Mexico. And every time there was a cultural
22 shock. And even, you know, you felt like you're not
23 from one country or the other, because you are
24 treated in a very different -- you're treated
25 different.

1 Where I'm getting at is that every time we
2 talk with farmworkers now or throughout the years --
3 like the gentleman, what is your name, Marc? You
4 said, you know, your white hair -- I intentionally
5 left my white hair, I didn't tone it anymore or
6 anything like that, so I could remind myself how
7 many years I've been involved. And how important it
8 is for people to really understand, it's a long
9 trajectory and I think every single one of us has
10 experience and has our own history of why we are
11 doing what we are doing and how everybody has its
12 own stories.

13 For mine, it's not only a reflection of
14 just me and my family, but a reflection of thousands
15 of families. Because if you ask me about almost
16 losing my son because I was working in the fields
17 when I was pregnant and I almost lost my son. It's
18 only me that understands what happens. Reproductive
19 health is a very strong issue in terms of what is
20 going on with women. They have to work. I had to
21 work. There was no other way. I had to work to be
22 able to sustain with my husband, because the pay was
23 not high and we were lucky we were working under a
24 union -- a union contract. You know, we started
25 working there. And having some health benefits, et

1 cetera.

2 So in terms of how many women we have
3 seen, you know, have had miscarriages and they don't
4 relate it, and I didn't relate it -- to it being
5 caused by pesticides, because the kind of work I was
6 doing wasn't as heavy around that time. It was
7 during March -- between February and March when I
8 was having that issue. We were thinning the grapes,
9 the grapevine bunches. Of course, it's a lot of
10 walking whatsoever, et cetera. But in terms of
11 seeing many women -- and what I'm saying, I'm not
12 exaggerating, it's seeing many women losing their
13 pregnancy and not them understanding why.

14 This is where I'm getting at in terms of
15 where we have been. We are a population that is
16 disconnected from everything. I don't know if it is
17 intentional or what, but whomever knows, owners of
18 companies, you know, there's acres and acres and
19 acres. You are very far away when you're working
20 from everything. This is why it is so easy to be
21 abused and exploited and marginalized. It's very
22 easy.

23 It's much worse for women because we have
24 found that nine out of ten have been sexually
25 harassed while they're working. It happened to me.

1 I will believe a woman that comes forward. It took
2 me 15 years to even talk about it. It was hard. So
3 there is a lot of taboos, there is a lot of myths,
4 and there is a lot of lack of connection with
5 agencies.

6 This has to do with, you know, even the
7 naming of an agency, when you translate it, you call
8 it agencia, which in other countries an agencia is
9 like a travel agency or whatever, but it is not
10 necessarily an institution or a government
11 institution. It's got different terms, different
12 ways, different culture, just different ways. It is
13 very, very easy for workers. And I'm explaining all
14 this and I think many of you have heard this before,
15 but I'm going to continue saying it in terms of
16 giving visibility to our issues is very important.

17 Giving visibility to who we are, because
18 if we are not visible, we are ignored. Because
19 whomever is not visible, whomever you don't see, you
20 don't know, or if you see, you might not care. But
21 for us, we do, we care for ourselves. We had to
22 decide to take care of ourselves.

23 We are not here to create enemies
24 whatsoever. We are here to try to see in what way
25 we can be heard because we are so used to hearing

1 others telling us what they think is so important.
2 We want to respect that, but we don't feel we have a
3 space. And it's not easy when you don't have -- you
4 don't feel you have space.

5 I'm not saying it just because I'm asking
6 for a farmworker working group. Maybe I am. But
7 it's more of how important it is for everything that
8 is being said, and if -- because it is targeted to
9 farmworkers, it's for -- this is why I'm here. You
10 know, I could be doing many other things, like all
11 of you could be doing many other things, but I chose
12 to do this because I feel that this is an important
13 space to be visible, to talk, and I'm getting the
14 sense that a lot of you have a good idea of who we
15 are and why we are here and why there needs to be
16 more of a reform.

17 And when I said the Fair Labor Standards
18 Act, I understand that, and I will always say and
19 will always repeat this country has been very racist
20 because I really mean it. It was very intentional
21 for agricultural workers to be excluded because how
22 many years back slavery stopped. It was "banned."
23 For how dare black people were going to be having
24 the same kind of protections than any other
25 industry, how dare. That was the thinking and there

1 is still that thinking.

2 Latinos have inherited our culture more
3 now and we have that burden, and I think -- I'm not
4 sure if it would be much easier and I hope it would
5 be much easier for workers to feel that they are a
6 part and that they have protections. If they feel
7 that they have protections, they are going to say
8 something. In California, there's more workers than
9 we have seen that are willing to step up than many
10 other states, and we're in 20 states.

11 It's very hard. Maybe not everybody
12 agrees and everybody has their own way of thinking,
13 that's fine. But I'm here to talk about who I am
14 and who I represent and why. It's about having that
15 space.

16 I'm going to go back in terms of we still
17 need to have a farmworker working group to be either
18 monitoring or giving advice or making sure because
19 we haven't had this at all space. In 2013, it was
20 the first time ever, the first time ever that United
21 States Department of Agriculture invites a
22 farmworker or agricultural group to come to their
23 building. The first time ever, it was our
24 organization. Even Secretary Bill Sachs said it, it
25 was the first time we invited agricultural workers

1 at USDA. Very ironic.

2 Believe me, we have been using that space
3 ever since. This is what I'm asking right now in
4 terms of us, having this space. And not everything
5 -- I don't know if it's about norms or if it's about
6 rules or if it's about what to have this working
7 group. But for me, it's important to really
8 understand how the different groups, not just to
9 only when we have our discussions in our meetings to
10 be able to give feedback. But it's to monitor,
11 because it is our communities that we are
12 representing.

13 Thank you.

14 JOE GRZYWACZ: So the conversation
15 wrapped up really quick, you may have seen while
16 Walter was speaking, Mily asked me, can you help a
17 little bit to articulate what she has shared in a
18 very personal way.

19 So for purposes of the agenda, future
20 topics, however it is being organized, I mean, the
21 official call that Mily is making is to sort of
22 reestablish the farmworker working group. That is
23 the official thing.

24 Now, of course, there is the question of
25 what is the charge. So I've been sitting here

1 trying to figure out, well, what is a feasible
2 charge kind of a question because immediately I
3 don't even know what a charge question is to be
4 honest with you, but that's beside the point.

5 But underlying each one of the sets of
6 agendas that's occurred so far has been something
7 that directly involves farmworkers. So at the
8 essence of it is sort of this idea of, do we really
9 understand the needs of farmworkers. And the three
10 ideas that have come to me while I've been listening
11 to Mily is we are in a space, translational science,
12 right, it takes 17 years to move from a scientific
13 finding to when it's implemented in practice.

14 One reason for that 17 years is that we
15 usually go from bench to bedside. And what Mily is
16 saying is, we need to go from bench to bedside, back
17 to bench to bedside, back to bench to bedside, then
18 to community.

19 So part of what I hear her asking for is
20 when we are trying to make decisions about what data
21 elements should be tagged in which way, we need to
22 know which ones are most valuable to farmworkers.
23 When we're trying to figure out what is the best way
24 to translate labels, we need to be able to recognize
25 that there isn't one translation that Google

1 translate or an artificial intelligence designed
2 tools are going to be working on, it's a little bit
3 more complex than that.

4 So you need real live people to help make
5 those decisions rather than individuals who are
6 perhaps, like me, who maybe have been working with
7 the community for 20-some odd years, but I'm not
8 from that community. I don't live in that
9 community. I don't know what it's actually like to
10 feel the discrimination and the experiences that
11 they have. And that all his part of that shared
12 meaning that underlies symbolic language that I keep
13 coming back to.

14 So I think what I'm hearing Mily say is,
15 if you really want to make traction on these things
16 that you're doing great work with, there needs to be
17 a reconvening of the farmworker advisory group to
18 see to it that they are actually a sounding board
19 for the very work that you're trying to engage in.
20 That is my attempt.

21 JEFFREY CHANG: Any other comments?
22 Charlotte?

23 CHARLOTTE SANSON: Yes, Charlotte Sanson
24 with ADAMA. So one thing that I think might be of
25 interest to this group is maybe some deeper

1 elaboration on how OPP is interacting on the global
2 level and how some of the activities going on with
3 the -- you know, the interaction engagement with
4 other countries, what the key learnings are and how
5 that is being applied into -- as a side decision
6 here, I think that might be helpful.

7 And just one thing to say, this is my last
8 session. It has been a really enriching experience,
9 so I just want to say thank you and to everybody on
10 the panel to say thank you. I have learned more
11 than I really expected I would and it's always
12 enlightening to learn from other people's
13 experiences and perspectives. So I just want to say
14 I greatly appreciate the opportunity. So thank you.

15 JEFFREY CHANG: Great. Mayra?

16 MAYRA REITER: Thank you. I think another
17 issue besides those that have been mentioned so far
18 that needs increased attention is how climate change
19 interacts with pesticides and how that affects
20 farmworkers. An example, when pesticides are
21 registered, EPA decides the mitigation measures
22 which may include certain kinds of PPE. With
23 increased temperatures, we need to look at is that
24 realistic. I mean, we know that there are many
25 farmworkers who don't receive the required PPE. But

1 when they do receive it, are we making them choose
2 between getting poisoned or having a heat stroke. I
3 know I'm putting that in very dramatic terms, but it
4 is true. Farmworkers die every year because of the
5 heat. There is intersection between those climate
6 issues and the things that we talk about here for
7 pesticides.

8 Also, increased temperatures mean
9 increased pest pressure which is going to mean
10 increased use of pesticides over time, to deal with
11 that. That is also an issue that I think needs more
12 attention when we are thinking about how pesticides
13 are regulated, about that registration process and
14 what we need to do to protect the people who work in
15 the fields.

16 Thank you.

17 MILY TREVINO-SAUCEDA: So I'm asking for
18 the committee to support for that being a farmworker
19 working group. So I want to make the motion.

20 ED MESSINA: So we have a motion, Joe has
21 seconded. We can do discussion before we take a
22 vote about that.

23 Were there any particular charge questions
24 or do you think the group would develop charge
25 questions? Mily, what would be your thoughts about

1 that? But we can after -- so the motion is on the
2 table. Having being seconded, we will have
3 discussion and then we'll have a vote.

4 Amy?

5 AMY ASMUS: Has it been seconded?

6 ED MESSINA: Yes.

7 AMY ASMUS: I just want to point out that
8 Joe pointed out the word "run" and the different
9 perspectives and I need to point out the word
10 "farmworker" and the different perspectives, because
11 the farmworkers you talk about are very different
12 than the people that we have work on our farm.

13 And if we are going to do a farmworker
14 work group, I would ask that it goes across spectrum
15 and across different demographics of farmworkers and
16 not just focus on one group.

17 MILY TREVINO-SAUCEDA: Can you elaborate
18 more on that because we are in 20 states? So I'm
19 not sure what you mean.

20 AMY ASMUS: So the employees that I have
21 on my farm are, I think, thinking back to about four
22 PPDC meetings ago, were referred to as privileged
23 white people that work on my farm. And they are.
24 They are locals that we employ to work on our farms.
25 We have equipment that keeps them safe. They are

1 not out in the field harvesting; we have harvesters
2 to do that.

3 So they are a very different group and
4 they have a very different perspective, but they are
5 still farmworkers. They are still applying
6 pesticides, they are still -- I agree with the heat
7 issues. They are still required to wear PPEs and do
8 it. It's just a very different type of work than
9 what you are talking about. And if there's going to
10 be a farmworker group, I believe we need to have all
11 of those different demographics. And I'm from Iowa
12 and Minnesota, so just you can get the demographics
13 of where I'm from. And we do corn and soybeans, not
14 specialty crops.

15 MILY TREVINO-SAUCEDA: Can I respond to
16 you? And this is in a very friendly way. I've
17 never said every single one of the employers are
18 abusive; I have said many. In Spanish, you say
19 [Spanish]. That means -- I don't know how to
20 translate it in English, but it's more like if you
21 are guilty, then you, you know, you take it. If you
22 are not, don't worry about it because I'm talking
23 about whomever is abusive.

24 Farmworkers and us, who are representing,
25 we are not trying to ask more than a dignified

1 treatment. That's all. That's all. We are not
2 asking for anything else, but because we are not
3 part of -- again, the same protections, you know,
4 that other industries have, it is much easier for
5 abuse to happen in many, many places.

6 I will always talk about -- and we have --
7 I have friends that are growers, I have friends that
8 are farmers. I participate on a board of -- it's
9 called the Rural Coalition and they are a part of
10 our membership. A lot of them are farmers. We
11 always talk about protections and we always talk
12 about treatment and we always talk about how you
13 could be a good example for other farmers. We
14 always talk about that.

15 Believe me, we have created good
16 relationships in terms of that. I'm talking about
17 how there are many more companies that do not care,
18 do not care. Maybe a lot of you, because you care,
19 you are here and that is good. That is very good.
20 That gives me more hope, gives some of us hope, but
21 not -- out there, it's very different.

22 I'm not -- I don't exaggerate, I get
23 passionate because I have gone -- I personally have
24 gone through a lot of things and a lot of my
25 relatives and people, all the thousands of people

1 that we work with, 30-some years, we have been
2 organizing with farmworker women. A lot of -- you
3 know, everywhere. The majority of our members have
4 people that come in with problems with wage theft,
5 abuse, in terms of pesticides, being exposed, and
6 the only thing they do is send them to their company
7 doctors.

8 What is the first thing? Okay, get a pill
9 and then you go back to work, when, excuse me,
10 several months later, I mean, we have stories and we
11 have heard experiences of women -- women have gone
12 blind because they have been exposed to chemicals.
13 It's very hard to prove because you know how it is,
14 the chemical after 24 hours or 48 hours, is not --
15 it doesn't show in your system. So it is harder to
16 prove.

17 So it's about how can you prove that you
18 have been poisoned when you don't even know that you
19 have been poisoned or what kind of chemical there
20 is, and we have been talking about this. People are
21 not given their information. We just did -- when
22 was it -- like before COVID, we did a survey with
23 500 farmworkers and this is in California where all
24 these -- you know, there's a lot of protections in
25 California, where it was -- there was this

1 legislation that was established where companies
2 have to provide training to their workers on sexual
3 harassment.

4 A year and a half, we did the study to see
5 how many companies were complying. Of the 500
6 workers, 400 and some workers said they had never
7 been told anything about that, you know, that that
8 rule existed. This is a year and a half later. I
9 mean, we don't -- we are talking about our
10 realities. And sometimes it's not about making
11 enemies here; it's about let's listen to each other.
12 That is all.

13 I commend you if you are -- you know,
14 because there have been -- it was only one company
15 that my husband -- belated husband and I worked
16 where that company was great. That was a great
17 company. We even had health insurance. There was
18 no union contract. The sad thing was I got
19 pregnant, the owner saw me, and instead of giving me
20 another kind of job, he told his crew leader that
21 she can't be working here.

22 I was lucky I could get unemployment.
23 Many people don't. They don't. Only California.
24 I don't know how many other states -- and I would
25 like to know -- have state disability insurance. I

1 was able to get some state disability insurance, but
2 because I am someone that I learned through the
3 United Farmworkers, about protections whatsoever.
4 But where I'm getting at is, yes, I look like an
5 angry woman, but, believe me, you have not seen me
6 angry. I'm serious. Because when I'm angry, I am
7 angry.

8 What I want to do is I get very anxious
9 when I talk about our realities, because I'm not
10 sure at times that people really are understanding
11 that's what's going on.

12 ED MESSINA: Any more discussion? Joe?

13 JOE GRZYWACZ: Sorry, I was just going to
14 give a crack at a charge question. I've been trying
15 to come up with something and it is -- apparently,
16 the sugar and the caffeine is wearing off.

17 But I would say the charge questions could
18 be things along the lines of what does EPA know
19 about the lived experiences of diverse farmworkers
20 with regard to their interactions with worker
21 protection standards and the protections in place
22 for them. Again, I don't know what all the language
23 is, but essentially along that line.

24 A second one would be something along the
25 lines of in what way can farmworker perspectives and

1 experiences, again, diversely read, shape the design
2 of regulatory requirements. So we need to meet
3 regulatory requirements. How can the views of
4 farmworkers be put at the front of meeting those
5 regulatory requirements rather than being a back-end
6 solution like we need to translate the labels? That
7 is my best attempt to come up with charge questions.

8 I want to say that I fully agree with you,
9 Amy, I mean, about in the midst of the COVID
10 epidemic, we were working on a white paper to try to
11 talk about how are we going to actually reach the
12 agricultural workforce, and we were thinking okay,
13 well, we can work around the concept of herd
14 immunity, right, everybody in agriculture knows the
15 concept of herd immunity.

16 As part of that getting ready, the point
17 behind all of that is, you know, farmworkers are an
18 exceedingly the first group to your point. About
19 the largest segment at 43 percent of it is the
20 farmworkers that Mily is talking about, but then the
21 next largest portion, somewhere around 23 to 27
22 percent, are the farmworkers that you are talking
23 about. Again, they are very different groups,
24 governed and protected by very different systems or
25 the lack of protections.

1 So your point about seeing to it that a
2 farmworker working group is diverse, that captures
3 those things, so that we can -- to steal something
4 from Stephen Covey, begin with the end in mind.

5 You know, so if the goal is to see to it
6 that workers are protected, well, let's think about
7 that at the beginning as we are thinking about
8 redesigned digitized labels or something along that
9 line.

10 So to me, that's how it gets tied together
11 a little bit. But I'm in full agreement with the
12 points that you're making about making sure that the
13 farmworker group is represented, the farmworker
14 community.

15 ED MESSINA: Mily, can I ask a question?
16 To what extent has the engagement with the National
17 Environmental Justice Advisory Council helped with
18 any of that? Because I think one of the reasons may
19 be we haven't had the farmworker group is because of
20 that engagement and also the fact that a lot of the
21 roadmap has been paved for us in terms of all of the
22 work we are trying to get done from the last report
23 and from the NEJAC and also from PRIA 5 and
24 bilingual labeling. So in terms of things that are
25 happening, there is sort of a strategy. Is there a

1 gap that you see that exists with regard to the
2 NEJAC and some of the things that you have heard
3 about that we are planning on doing today?

4 MILEY TREVINIO-SAUCEDE: My understanding is
5 that -- I was in NEJAC for six years. Okay? So my
6 understanding -- and I was invited to come back and
7 be a part of a working group, the farmworker working
8 group, and I invited people and some of them joined.
9 And we have been working for a year and a half, but
10 there is information here that this group is working
11 that is different from what NEJAC is doing. So this
12 is why I'm asking for this committee to approve to
13 have farmworker working group, so that whatever --
14 you know, for every -- I don't know if you have
15 noticed, for every presentation, I said something,
16 and it wasn't just because Miley wanted to say
17 something, it's because it's a representation. But
18 it's every how long.

19 What I'm asking is for a farmworker
20 working group to be more involved and to be
21 monitoring and giving feedback because it's our --
22 and it's the majority -- of our population that we
23 are talking about.

24 ED MESSINA: If I were going to -- Joe,
25 this is maybe back to you. Much like the other

1 groups had an implementation sort of charge, right
2 we saw that today, Mily, would you be comfortable
3 with -- it sounds like -- and I'm just trying to
4 repeat back my understanding, Mily -- it could be
5 more of an implementation group, help the agency
6 focus on its priorities. And then probably
7 borrowing from Joe's, like, additional priorities
8 to, but would not be something that you're looking
9 for as well, Mily? Kind of like an implementation
10 group?

11 So we have other workgroups that are
12 focused on implementation, right? That's the EPIC,
13 for example. Would this group, in your mind, part
14 of their charge be focused on how EPA is
15 implementing all of the EJ stuff that is currently
16 on its plate, including the report that came out
17 from the last group. I'm just asking if that is
18 something you would see as appropriate for this new
19 group.

20 MILY TREVINO-SAUCEDA: I'm not the only
21 one asking for it. I am more vocal. Well, not
22 necessarily, I am more vocal, but yes.

23 ED MESSINA: Okay. Thank you.

24 UNIDENTIFIED FEMALE: Yes, and if I may
25 also add -- and this goes to Joe's point with the

1 second charge question -- it's not about -- or not
2 just about how EPA is implementing the policies and
3 regulations that are already there, but going all
4 the way upstream to when we are thinking about
5 pesticide registration and what I said earlier about
6 mitigation and other things, what we are asking
7 farmworkers and growers to implement in the field is
8 not realistic, then we need to take that into
9 account when deciding whether a pesticide gets
10 approved and gets into the market.

11 So that is something that also needs to be
12 informed by the farmworker experiences that Mily was
13 talking about. So it's not just monitoring
14 implementation, which is great, and I totally agree
15 with that. But we need to incorporate that
16 information about farmworker experiences throughout
17 the whole process of how we regulate pesticides,
18 ensure implementation of regulations and policies,
19 and then monitor that compliance and ensure that
20 there is good enforcement.

21 ED MESSINA: Okay, great.

22 UNIDENTIFIED FEMALE: Yeah, I just wanted
23 to add, Ed, to I think what was just said. One
24 thing that I'm hearing or kind of observing is the
25 comment or -- something that was landing with me is

1 Mily's comment that, you know, you have talked every
2 single -- like this is threaded throughout. So all
3 of the different decisions that are being made by
4 all the different working groups, when those get too
5 far down the road without some sort of checkpoints
6 earlier on, then it's like, okay, well, you did all
7 that work and we really appreciate all that work,
8 and also now we are going to have to ask that some
9 other things be considered. So the process isn't as
10 maybe as efficient as it could be.

11 So what I'm wondering about, in addition
12 to the questions that Joe put out there, is like is
13 this a workgroup or is it a different type of group.
14 I don't know if this organization has had that
15 before, but I'm thinking almost like -- in the
16 university setting, like an IRB for like the -- but
17 from a farmworker perspective of the different
18 projects that are going on. Some sort of review
19 process or involvement. I could see folks on this
20 group like having a person on each other working
21 group and then coming together as a group to say
22 like, this is what the working groups are working on
23 and kind of making sure that that is threaded
24 throughout in a way.

25 Again, I don't know if that is different

1 than the charge or the scope of a general workgroup
2 would be, but I think making sure that that is a
3 presence and, in some ways, like making it not a
4 separate thing, but a thing that is actually
5 threaded throughout everything that is happening.

6 JEFFREY CHANG: Any other commenters?

7 (No response.)

8 JEFFREY CHANG: Great.

9 ED MESSINA: So to summarize, just to help
10 with this, it sounds like -- so we have a seconded
11 motion on the table to establish a farmworker
12 subgroup to the PPDC group. The charge questions
13 are along the lines of -- and I'm tweaking some of
14 the language here -- but how can EPA understand the
15 lived experiences of diverse farmworkers about their
16 interactions with the WPS and the protections around
17 that regulation. In what way can farmworker
18 perspectives and experiences shape the design of
19 regulatory requirements?

20 Then the other one was how can this
21 workgroup best help EPA in its implementation of all
22 of its farmworker activities. That is how I would
23 summarize it.

24 For the record, Joe is giving me a thumbs
25 up; Mily is giving me a head nod yes.

1 So with that, we can start a vote. All in
2 favor of establishing this workgroup with these
3 charge questions, show of hands. I was going to say
4 say "aye," but we are going to do a show of hands on
5 this one. A show of hands on who supports the
6 formation of this workgroup. Lots of hands.

7 A show of hands, who does not support the
8 formation of this workgroup? Anyone online?

9 Okay. All right. The motion passes.

10 Next will be -- thank you, yes. Mily says
11 thank you.

12 Next is a chair and then having folks farm
13 out who would like to be on this workgroup. So we
14 can do that next and then also we will appoint a
15 co-chair from EPA who can help facilitate this
16 group's work, you know, much like the other
17 workgroups. We are pretty focused on our
18 strategies, but I will try to make sure we can get
19 someone who can facilitate the discussions really
20 for this group to advise EPA and come back to the
21 PPDC in May with any updates for what they have been
22 able to accomplish. So thank you.

23 Anyone want to step forward and for the
24 record say they are willing to participate in the
25 workgroup?

1 Okay, anybody interested? Yeah, I just
2 started with participate, I didn't say chair. I
3 intentionally started there, okay.

4 Great. Are you recording the names?

5 Oh, here we go, participants, Becca,
6 Alexis, Nathan, Joe had his hand up, Mayra, Walter.
7 Did I miss anyone? Did anyone capture the notes
8 here?

9 Okay, all right. I will let you guys
10 convene your first meeting and then you guys can
11 talk about -- set about going about a chair unless
12 there's any recommendations for a chair.

13 Mily has --

14 MILY TREVINO-SAUCEDA: I'll be the chair.

15 ED MESSINA: Thank you. That is sort of
16 what I was looking for, but great.

17 When somebody comes to me with an issue
18 and says, you know, we should really do this,
19 sometimes I say back to them, you may be the person
20 you are looking for to solve that.

21 So thank you, Mily for stepping up.

22 With that, thank you. We'll go to
23 conclusions and then public comment. I have lots of
24 people to thank so I'm going to consult my notes.

25 So first of all, thank you for an amazing

1 two days of discussion. Again, I can't thank you
2 enough for being respectful and also the advocacy
3 that you bring. I don't want to cut short the
4 advocacy. I think that is important as well. The
5 personal stories you have shared are also impactful
6 and the presentations were just top-notch in
7 virtually every session. That is a testament to
8 this group who developed this agenda, so much like
9 going forward and having this past discussion. I
10 think we have a future agenda.

11 Pivoting back a little bit, I heard maybe
12 as a future topic for the next agenda, talking about
13 NAMs, maybe talking around the science around
14 organophosphates and the incorporation of NAMs in
15 that. So I think we will put a takeaway and we will
16 go through the transcript and make sure as we build
17 the next agenda for the next group of folks that we
18 suggest that as a topic so we can take a deeper dive
19 there. I'm getting some head nods around that.

20 Joe?

21 [Microphone issue].

22 ED MESSINA: Well, that's a great
23 question. For the Pesticides Office, you know PFOS
24 arises more in the context of are there any
25 chemicals that contain PFOS in the inactive

1 ingredients or inerts and then also the containers.
2 Then we are sort of doing our normal chemistry.

3 For the TOSCA office, which is looking at
4 PFOS in general and then the sort of PFOS action
5 plan, I think the issues of systematic review and
6 how we go about doing that sort of arise in that
7 context.

8 So maybe I would not include PFOS unless
9 others are having it be a part of the next session.
10 We can talk about PFOS and sort of -- we had a
11 couple of slides on my OPP update and that is sort
12 of what we are doing for PFOS.

13 I'm wondering if systematic review is part
14 of that. I think I heard of that as part of the
15 discussions as well maybe over here. So we will
16 bring that as a future agenda topic recommendation
17 for the next PPDC group.

18 With that, Jeffrey, your first PPDC
19 meeting and in-person PPDC meeting.

20 (Applause)

21 ED MESSINA: I mean, you knocked it out of
22 the park. The meetings that Jeffrey and Michelle,
23 and I had, multiple meetings to pull this off, you
24 know, just the small things like the conference
25 rooms and informing people was just great. And the

1 bar was set pretty high because we had to cancel the
2 last one because we weren't able to pull it off.
3 Jeffrey knew that there was no way that we were
4 going to let this one get canceled, including the
5 fact that when Congress extended the CR, it fell on
6 the Friday. If it had fallen on the Thursday, I was
7 going to have to cancel it again and I was just
8 going to start pulling out what little hair I had
9 left on my head. But it actually worked out.

10 So Jeffrey and Michelle, a definite shout-
11 out.

12 Darlene, who is my special assistant,
13 helped me, and just for the record, my slides were
14 done at 8:59 a.m. on the day that I presented. So I
15 was one of those folks that was furiously trying to
16 pack. I was fully successful, it's really the next
17 rating down.

18 For our Spanish accessible people who
19 helped us out, David and Monica and Ian, our ASL and
20 real captioning folks, Suzanne, Samantha, Pamela,
21 Victoria, and Rhiannon. It was a suggestion I think
22 by Mily and your group that these meetings should be
23 bilingual. We took that back and the last three
24 have been bilingual. It was just based on your
25 group suggestion. So thank you for that and we will

1 continue to do that.

2 I'm excited that -- you know we put a new
3 contract in place to make that happen, so I'm
4 excited that it worked out. For those of you
5 attending and listening in Spanish, thank you for
6 attending and we are happy to accommodate that.

7 The IT team who coordinated the Zoom
8 interface to allow virtual participation, my friends
9 in partnership in IT, Elton, Faraz, John and Kevin;
10 the conference center staff who managed this
11 wonderful space, Kevin, Keith, Jay, and Dozina to
12 get this space is pretty hard. It's the
13 administrator's space and you are told you can have
14 it, but the administrator could bump you at any
15 minute. When they were trying to bump us for JNPRM,
16 I said you're going to cause an international
17 incident, no. So I wasn't able to do that for this
18 meeting, but fortunately we were able to hang onto
19 the meeting space.

20 The EPA securities team, for their
21 thoroughness, Andrew, Kevin, Cedric; the guard desk
22 staff are helping coordinate the public
23 participation at this meeting; then all the staff
24 who escorted the many members of the PPDC and
25 members of the public, Emily, Ava, Dan, Darlene,

1 Christian, Lauren, Aidan, and others.

2 I would like to thank our presenters in no
3 particular order, Jake Li, Lisa Dreilinger, Michelle
4 Arling, Jan Matuszko, Nathan Donley, Ann Ruckert,
5 Tajah Blackburn, Anastasia Swearingen, Rhonda Jones,
6 Nikhil Mallampalli, Cameron Douglass, George
7 Frisvold, Mike Goodis, Steve Schaible, Aidan Black,
8 Susan Bartow, Mily Trevino-Sauceda, Mayra Reiter.

9 Thank you for your great presentations and they were
10 just really informative.

11 All of the workgroup members for the
12 Pesticide Resistance Management Workgroup Number 2,
13 the Pesticide Label Reform Workgroup, and the
14 Emerging Pathogens Implementation Committee, or
15 EPIC, I think the charge question for the Pesticide
16 Resistance Management Workgroup is to have a better
17 name. I think Joe suggested that. So for the, you
18 know, PRES folks, great work.

19 To all of the PPDC members, including some
20 of our special folks who are leaving us because they
21 have termed out, very sad. There were a lots of
22 asterisks, but Amy Asmus, Aaron Lloyd, Cameron
23 Douglass, Charlotte Sanson Damon Reabe, Dave Tamayo,
24 Dawn Gouge, Dominic Lajoy, Gretchen Paluch, Jasmine
25 Brown, Jessica Ponder, Jim Fredericks, Mark Johnson,

1 Steve Bennett, and Tim Lust, your participation has
2 been -- I would say it's almost irreplaceable. I
3 think your input to this PPDC has been incredible
4 and thank you for your many years of service in this
5 regard. You know, the paycheck you get from this is
6 pretty small. It includes lots of Zoom time, and
7 every now and then I get a free trip to Washington,
8 D.C., which isn't enough to compensate you for all
9 the time that you guys have put in.

10 So with that, again, thanks, everyone, for
11 their thoughtful remarks, for the presentations.

12 And then just one housekeeping item, the
13 membership renewal process has begun for those folks
14 that are terming out and inviting some new folks.
15 Those invitations will be going out in the near
16 future, and when they do they will be getting an
17 email contact and then we will send out some
18 information about picking for that group both the
19 spring dates and the fall dates for 2024.

20 I would say I think we thought about doing
21 a survey for logistics, you know, to this group. So
22 for this group, stay tuned. We are going to give a
23 little, you know, comment, how did the meeting go,
24 kind of, you know, just the logistics pieces. So
25 stay tuned for that.

1 And then, you know, based on how this
2 meeting went and the in-person nature of it, which I
3 am fine working from home in my flip-flops when I
4 can, but it's really great to be in person. Even
5 the side conversations that happen in the background
6 where folks are getting to know each other,
7 sometimes we have a lot of difficult issues to work
8 through and it's better to work through those
9 difficult issues when you are all already and have
10 established a relationship with that person than if
11 you're trying to work through that difficult issue
12 and also establish that relationship.

13 So I really appreciate everyone being here
14 in person and, also -- you know, contributing to
15 this meeting, but also for the conversations that
16 happened outside of this meeting.

17 Thank you for also sort of being gracious
18 to our video crew that was here the other day,
19 filming this for their own purposes and stories.
20 This is a public meeting so we don't have any rights
21 over our images and so folks are invited and they
22 can videotape this and all the transcript is public
23 and everything that is said is sort of going to be
24 put on the transcript.

25 So I think we showed them exactly how

1 multiple stakeholders with multiple differing
2 positions about a pretty sensitive topic, which is
3 how do we feed our country and use pesticides in a
4 safe manner, we can have that dialogue.

5 For me, as a civil servant, I don't take
6 that term lately -- I do take my role as a servant
7 to the American people to do my job -- it's really
8 refreshing for people to hear different perspectives
9 and people try to come together to provide those
10 perspectives and also really try to come to a common
11 solution. I think that is what really makes this
12 country great, and I am just honored to be a part of
13 that and to see it happening in action.

14 So I appreciate you participating in that
15 and we'll see what kind of bad music is associated
16 with our -- while I'm talking about paraquat because
17 my envision of the show is going to be, you know,
18 hopefully they do it justice and they give that
19 topic what it is due and, also, the nuances and the
20 sciences and the tricky scientific issues that the
21 agency is struggling with is carried forward in that
22 story. We shall see.

23 With that, I will turn it over and we have
24 time for public comment, and then we will adjourn.

25 Thank you.

1 PUBLIC COMMENTS

2 JEFFREY CHANG: Thank you, Ed. Yes, we
3 have two public commenters and will be respectful to
4 them. So first up, we will start in the room with
5 Bill Jordan.

6 BILL JORDAN: Thanks. My name is Bill
7 Jordan. I'm with the Environmental Protection
8 Network. For those who have not heard of this
9 group, we are about 500 volunteers, most of whom,
10 like me, used to work at EPA, and our NGO exists to
11 support the agency in carrying out its mission of
12 protecting public health and the environment. I
13 have a number of colleagues who worked in the Office
14 of Pesticide Programs who focus particularly on
15 OPP's work, and I think we all share this enormous
16 respect for the staff and management of OPP and
17 appreciate how much great work they do. That's not
18 to say that we agree with all that, but it is
19 impressive given the limitations on the resources
20 how much they accomplish, most of which is not even
21 visible to the public, because they do a lot of
22 stuff through the registration review processes,
23 below the radar, if you will.

24 But they are really -- I want to
25 congratulate you on the transformation that is going

1 to make the work smarter and better. You are
2 smartly focusing on the high priority issues in the
3 EDSP Program where you can get the biggest risk
4 mitigation bang for your regulatory bucks. Same
5 thing with ESA. I think you're being smart about
6 where you are putting the resources and bringing
7 real protections to those threatened and endangered
8 species when you can and doing it quickly.

9 So there is a lot of work going on and I
10 want to acknowledge that before I offer some
11 suggestions about things that I think OPP could be
12 doing better.

13 I have listened to the last day and a half
14 of presentations by the PPDC and EPA folks. I
15 wanted to think am I really going to add value here
16 and I hope that the ideas that I offer are
17 constructive and valued.

18 So I want to flag two aspects of OPP's
19 effort that I think aren't getting quite the
20 attention that they need.

21 The first is, I don't think that there is
22 as good an understanding of what actually is
23 happening in the field, users' actual behavior, how
24 things are landing in the environment as you need in
25 order to be able to improve and refine, and

1 continuously increase the level of protection for
2 public health in the environment.

3 I think, at least, back five, ten years
4 ago, the assumption was that EPA would digest the
5 science, write great labels and people would follow
6 the labels and things would be good. It seems to me
7 that there is an evolving understanding in OPP, but
8 it still has a lot farther to go in terms of getting
9 your arms around what is actually happening in the
10 field.

11 Mily and Mayra have talked -- given you
12 anecdotes about things that they see that are
13 happening. Epidemiological data suggests that there
14 are problems that didn't get picked up through the
15 animal studies. I think you have not fully mined
16 the 682 data, the incident data. I'm glad to see
17 that Walter and CDC is improving the SENSOR
18 programs. But I think there needs to be a sort of
19 unified field theory, if you will, for understanding
20 what's really going on in the field.

21 I believe there is a lot of information
22 pointing to more frequent instances of misuse of
23 pesticides, particularly on the enforcement side in
24 data I have seen in the ECHO database, that suggests
25 that things aren't quite working the way that the

1 labeling says.

2 If that is the case, then the second area
3 that I think OPP needs to pay attention to is what
4 can alter the behavior. You are paying a lot of
5 attention on the training side through training
6 programs, through AFOP and the certification of
7 pesticide applicators, but as many people have said,
8 Charlotte among others, it all comes down to
9 labeling because labeling is the law, as Gretchen
10 would tell you, and I think you need to spend a lot
11 of time thinking about how to deliver labeling to
12 users in ways that they will understand, be able to
13 use quickly, access readily, that's concise, that's
14 clear, that's appropriate to fit their needs.

15 I am pleased that the efforts that Lisa
16 Dreilinger and Manojit Basu and Michelle are doing
17 and the Labeling Reform Group are pointing in that
18 direction. But I think there is a sense of urgency
19 that needs to inspire our workgroup to start paying
20 attention to the user experience of getting
21 labeling.

22 So I am optimistic. I really found the
23 PPDC presentations and the conversations very
24 encouraging. A lot of people are thinking hard
25 about these issues, but I think these two areas, how

1 to get users to follow the labeling and to find out
2 where the problems are lying in the real field world
3 experience.

4 So thank you for letting me make a
5 comment.

6 JEFFREY CHANG: Thank you.

7 We have one person virtually. Jeannie,
8 you are welcome to speak. I hope that they promoted
9 you to speaker.

10 JEANNIE: Hello? Can you hear me?

11 JEFFREY CHANG: We can't hear you. Are
12 you talking?

13 JEANNIE: Hello, can you hear me?

14 JEFFREY CHANG: Yep, we can hear you.

15 JEANNIE: Hello?

16 JEFFREY CHANGE: Yes, now we can.

17 JEANNIE: Yes, I am.

18 JEFFREY CHANG: Can you hear us?

19 JEANNIE: Can you hear me? Okay, great.

20 Yes, I have a cold -- a very bad cold and I have a
21 bad internet connection so I'm going to do this
22 really fast.

23 I'm going to bring up two different
24 issues, one is regarding the SENSOR Program. I was
25 at that meeting of the SENSOR meeting in Saint

1 Augustine a few weeks ago and it was really an
2 excellent meeting. I will say, though, that I would
3 like to say that I hope EPA can work with the SENSOR
4 program because I understand that, right now, only
5 cases of people between the ages of 15 and 64 are
6 reported to the SENSOR Program and I think that that
7 is a big mistake, I think that it should include
8 people younger than 15, because there are children
9 in the fields oftentimes, even babies in the fields
10 and places -- and farmworkers that live next to the
11 field. And there are farmworkers over 64 that are
12 still working.

13 So that is one thing. [Connection issue]
14 but I hope that the PPDC and folks on the PPDC will
15 really consider expanding the age range for
16 pesticide incident reporting to the SENSOR Program
17 and no age limit, because, again, under 15 and over
18 64 should be included. That is one thing real
19 quick.

20 The other thing, I will agree with Bill
21 Jordan. I think that EPA is under the mis-
22 impression that just because we have better WPS,
23 that everything is okay. But working with
24 farmworkers on a daily basis, we know that the WPS
25 are often not followed and there is a lot of

1 noncompliance. You can have the best WPS in the
2 world, but if people aren't complying with them and
3 farmworkers are afraid to report anything, then it's
4 not doing any good and people are getting exposed.
5 That is my second comment.

6 My third comment, again, I can expand on
7 this later, but I have a really bad cold. My third
8 comment is that, you know, I want to say that I
9 really appreciate the PPDC's and EPA's environmental
10 justice efforts. It's exciting to see that and
11 really encouraging to see that and the work around
12 bilingual labels, et cetera. However, [connection
13 issue] trying to address environmental justice
14 completely -- oh, sorry -- completely goes out the
15 window if we are continuing to approve really bad
16 pesticides and if we continue to have a registration
17 process that allows these really toxic pesticides,
18 including using NAMs, to reduce protections for
19 workers and four children. And I'm saying this as
20 an animal rights activist who doesn't like to see
21 animal testing.

22 However, the best solution would be not to
23 have these chemicals in the first place so we
24 wouldn't have to worry about contamination to the
25 planet and people, but since we have these

1 chemicals, we need to protect people. And I
2 personally, like Mily, I personally see farmworkers
3 on a daily basis that have children with learning
4 disabilities, autism, neural developmental problems,
5 and they don't have the resources to get the help
6 that other people with greater resources might have.

7 I can expand on all of those comments, but
8 I just think that, also, the cost-benefit analysis
9 for registering pesticides is very problematic
10 because what is the benefit or cost to a human life.

11 I will end it there because my internet is
12 pretty unstable. Thank you for the opportunity to
13 speak and I'm happy to talk more about any of these
14 issues. So please put them in the record. Thank
15 you.

16 JEFFREY CHANG: Thank you. Our final
17 commentor, E. Evans, please state your name and your
18 affiliation.

19 Are you talking? We can't hear you.

20 (No audible response.)

21 JEFFREY CHANG: No, still can't hear you.

22 UNIDENTIFIED MALE: Hello, I think Evans
23 was the same person as Jeannie Evans.

24 JEFFREY CHANG: Oh, okay, got it. Then we
25 are all set.

1 Thank you, guys. Thank you everyone for
2 coming, and if you could remember to leave your name
3 tag on the desk.

4 ED MESSINA: Thanks, everyone. The
5 meeting is adjourned. Safe travels.

6 (Day 2 adjourned.)

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25