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UNITED STATES
ENVIRONMENTAL PROTECTION AGENCY

PESTICIDE PROGRAM DIALOGUE
COMMITTEE MEETING
DAY TWO

May 18-19, 2016

Conference Center - Lobby Level
2777 Crystal Drive
One Potomac Yard South
Arlington, VA 22202

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

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3 MR. HOUSENGER: Well, welcome back to part two.

4 This morning we've got -- we only have until noon, so
5 we're going to watch the clock. I don't want to cut into
6 people's lunch time, and then we've got meetings the rest
7 of the day.

8 We're going to talk a lot about workgroups,
9 hearing first from the incidents workgroup, then
10 resistance management that has been a topic that this
11 committee has asked to hear about, as well as
12 international activity. Then we'll talk about future
13 workgroups and ideas that people have already submitted
14 and what are in the minds of people today about what
15 potential workgroups we might form.

16 So, Jackie Mosby is the Director of our Field
17 and External Affairs Division, and she will lead this
18 session from this table or the podium. So, Jackie, take
19 it away.

20 MS. MOSBY: Thank you, Jack. Well, good
21 morning. As Jack mentioned, I'm Jackie Mosby, the
22 Director of the Field and External Affairs Division in

1 OPP, and I am the incident workgroup chair, the pesticide
2 incident workgroup chair. Today, a team of us will
3 report out on the PPDC incident workgroup activities.
4 The workgroup members reporting will be Cheryl Cleveland,
5 Julie Spagnoli, and Cynthia Palmer.

6 The purpose of this presentation is to give the
7 PPDC an update on what the workgroup has been doing for
8 the past six months. The workgroup was formed last year,
9 and it consists of members from various groups, such as
10 the NGOs, industry, university, states, and the regions.

11 This diverse workgroup was put together to
12 provide advice to EPA on the long-term goal, which is
13 developing an electronic pesticide incident data system
14 that will be publicly available and useful to a broad
15 stakeholder group.

16 I will go over a bit of background, the current
17 state of the incident data, the ideal state of an
18 incident data system, and what actions we've taken thus
19 far, and challenges and concerns that have been raised,
20 and the next steps in developing an electronic pesticide
21 incident data.

22 First, I'll start off with a definition for

1 you, some background. What is a pesticide incident?

2 Well, the definition of a pesticide incident is any
3 exposure or effect from pesticide use that's not intended
4 or expected. Pesticide incidents may involve humans,
5 wildlife, plants, domestic animals, and bees.

6 The objective of the PPDC incident workgroup is
7 to support development of a 21st century incident system,
8 which includes providing input on data elements needed to
9 make for a useful incident report to support risk
10 management decisions and also benefit other stakeholders,
11 support system development and testing of an incident
12 system, support the identification of additional sources
13 of incident data, and identify and provide advice on
14 additional issues associated with developing a high-
15 quality, publicly available, incident system, and other
16 issues that the Agency wishes to bring to the workgroup's
17 attention.

18 It is worth noting that as we move forward in
19 this 21st century pesticide incident system, that this is
20 a multi-year, multi-phase, multi-stage process. We've
21 started one part, and I'll go over that today. So, for
22 the last six months, we've been working on one charge.

1 The current state of the incident data system
2 is why we are embarking on this effort to develop a
3 pesticide incident data system. There are limitations of
4 EPA's incident reporting system. We have primarily
5 filed, so we don't have data in some cases. We have PDF
6 files. Many of the data elements that have a PDF file,
7 they aren't sortable. It makes it hard for us to do data
8 analysis.

9 Also, the current system is limited in its
10 functionality and usefulness. We have manual data entry.
11 Inconsistent information and missing information.
12 Incidents are reported to various parts of the
13 organization, so we lack a central point of entry.

14 Incidents are submitted in various forms. We
15 have received incidents on napkins, phone calls, various
16 ways. So, we want to control that. Our current incident
17 reporting system does not talk or communicate with
18 others, with other systems.

19 So, EPA's long-term goal or preferred state is
20 to develop an electronic pesticide incident data system
21 that is publicly available and useful to a broad
22 stakeholder group, a system that is easy to use with

1 standardized data elements. To do this, we want to build
2 a sustainable framework, a framework that improves
3 reporting to make reporting easier for both voluntary and
4 required incident reports.

5 Also, to reduce the time on FOIA requests.
6 That goes on both ends. If we have data that's publicly
7 available, then we both can go and pull that information
8 instead of doing a FOIA to get that information. It
9 reduces the work that we have to do in the Agency in
10 responding to those FOIAs.

11 The framework would enhance efficient use of
12 incident data to obtain more and higher quality incidents
13 for risk assessments and improve consistency in our
14 reporting. EPA wants an incident data framework that
15 supports quality science-based decisions and one that
16 encourages data sharing between EPA agencies and others.

17 As we move forward in developing a 21st century
18 incident system, and I like to call it our preferred
19 state, we must address a number of issues. We look to
20 the PPDC workgroup for advice on building a framework,
21 including, but not limited to, advice on what data we
22 should be collecting, determine data element definitions,

1 advice on how to collect the data, to enhance ease of
2 submission, to ensure quality of verifiable data, advice
3 on what safeguards are critical, quality
4 assurance/quality control of data reported, which data
5 are publicly available, make safeguards for personally
6 identifiable information and sensitive business
7 information, and what mechanisms or systems currently
8 exist that can inform the development of the data system.

9 That takes us to the first charge of the
10 workgroup. This is an action that we have done thus far
11 to get us to our preferred state. The first charge was
12 to get advice on our data elements. The goal of this
13 charge is identify elements that would ideally be
14 included in a quality incident report.

15 The process for identifying these elements was
16 that OPP developed first an ideal data element for
17 incidents involving general, human health, fish and
18 wildlife, insect pollinators, and domestic animals, and
19 plants.

20 The workgroup reviewed and discussed all the
21 elements by these groupings. Some of the elements were
22 added for consideration by the workgroup. The workgroup

1 then ranked the value of each element from essential to
2 not needed. Most elements ranked high, although there
3 were some that were ranked low. Those may be dropped as
4 we move forward. The workgroup is generally supportive
5 of the data elements that we have identified thus far.

6 No process goes without concerns or issues
7 being raised. So, during our workgroup discussions about
8 the data elements, a number of questions and concerns came
9 up about 6(a)(2). Keep in mind, our goal is to have data
10 elements that would be ideal in developing an incident
11 database. The incident data system would house all
12 voluntary and required incident reports.

13 Industry is concerned that any new data
14 elements could have implications to future 6(a)(2)
15 requirements. Industry also raised a concern that they
16 might be expected to adopt these new non-required data
17 elements.

18 The NGOs raised an issue that they would like
19 to see the reduction or the elimination of the threshold
20 in the current 6(a)(2) rule. The NGOs also wanted to see
21 the elimination of aggregate reporting.

22 The workgroup members raised these concerns and

1 others. Cheryl Cleveland, I think, Julie Spagnoli, and
2 Cynthia Palmer will discuss these concerns that EPA
3 intends to address as we move forward. So, we hear the
4 concerns. As I mentioned, we started with looking at the
5 data elements. So, that's the first phase of this
6 process.

7 In looking at the data elements, these concerns
8 have come up. We will, as we move forward, work on these
9 and look to address the concerns that have been raised.
10 But I did want to make one point. Any changes to 6(a)(2)
11 40 CFR 159 would require a rule change. That is not a
12 planned topic for this workgroup. Also, any 6(a)(2)
13 changes would be a public process. That would be a
14 separate track.

15 With that, I'm going to just turn it over to
16 Julie to talk about the considerations. I don't know
17 whether Cheryl or Cyndi will - ok.

18 MS. SPAGNOLI: First, from the industry
19 viewpoint, we do appreciate the opportunity to allow the
20 stakeholder input into having an opportunity to
21 provide these inputs. We appreciate the fact that
22 they're taking steps, but we look at the fact that each

1 step really has to be looked at in the context of the
2 long-term goal and how these first steps will ultimately
3 impact the long-term goal.

4 Since part of the long-term goal does impact
5 required reporting, it obviously brought in concerns
6 about 6(a)(2), since that is the required reporting. So,
7 we understand that the rulemaking is not part of this
8 process, but obviously, there's still some implications
9 as we move forward on the process.

10 So, there's already reporting in place for
11 6(a)(2), and most registrants have systems by which they
12 report this data. So, they've been doing this for many,
13 many years now. So, there is generally a system in
14 place. So, any changes that may come to these
15 requirements does raise some concerns, because it's going
16 to change how they're doing their business now.

17 The mechanism for data collection, I think
18 going to a web-based portal, is not really one of the
19 concerns. It's a consideration of how that system works.
20 But the implications are for how data reporting is done
21 now and how does it fit into the new system, and how does
22 it fit in with others then that will also be reporting.

1 The number of data elements, if there's an
2 expectation that these data elements are to be provided
3 that are beyond what's required by 6(a)(2), it's what is
4 the expectation. Is the expectation then even if it's
5 not required under the rule, that it be required.

6 Another very important consideration is
7 obviously the verification. Registrants have the
8 opportunity when they have an incident to investigate.
9 They can determine the validity of the incident if they
10 choose to. So, there is some questions about if this
11 system is open to reporting by essentially anybody, how
12 the data quality is assured, the plausibility, the cause
13 and effect.

14 Another issue that we put in as a data element
15 was the definition of misuse. If an incident is going to
16 be reported as misuse, again, who determines whether that
17 was misuse or not misuse. So, that's just another
18 consideration that have some concerns about.

19 Some additional considerations is the release
20 of the database, how it will be released, which data will
21 be made public. I think Jackie already touched on some
22 of these. Then again, what resources are available to

1 maintain the database. A database is only as good as the
2 information that's in it, keeping it updated and current,
3 and the quality of the reports themselves.

4 Also distinguishing between complaints and
5 incidents, there's a little bit of concern about the
6 definition that's been proposed for a pesticide incident.
7 We understand the reasoning behind it, but it is
8 different than the current definition of an incident to
9 be reported under 6(a)(2). Under 6(a)(2), an incident is
10 reported if it results in an adverse effect.

11 So, just an incident of unintended or
12 unexpected exposure that didn't result in an adverse
13 effect does expand it and casts a pretty much wider net.
14 So, there is some concerns with that. We know there's a
15 lot of complaints of things like odor -- then become
16 defined as an incident even if there was no adverse
17 effect.

18 The number of data elements again is somewhat
19 of a concern. The data elements that have come up by the
20 workgroups about doubles the number of data elements
21 currently required under 6(a)(2) reporting, even for the
22 individual categories. So, for the human health

1 categories, it's going from like 32 to 60 data elements.
2 Again, there's just a concern about the availability of
3 all these data elements and then what is the expectation
4 for registrants. It's filing a report if all these data
5 elements are not maybe available.

6 So, we really have to look at even though we
7 did a ranking, the importance of the data element may be
8 relative to the incident itself. Where the weather might
9 be very important in one case, it could be completely
10 irrelevant in another case. So, each element really
11 needs to be looked at a lot of times in the context of
12 the incident itself.

13 So, I think the other considerations are really
14 broader and really for the whole group and for the Agency
15 with developing communication plans in a coordination
16 with other agencies. Again, as we move forward, we can't
17 keep disassociating this with 6(a)(2) reporting, because
18 that is the major source of incident reporting at this
19 point. As we work this into the system, it's ultimately
20 going to involve 6(a)(2).

21 Again, with the public access to the data,
22 there are some concerns as to how that data will be used

1 and who it will be used by. So again, we understand the
2 desire for transparency and the desire to make
3 information possible, but again, it really is dependent
4 on how valid this data can be made and the quality of the
5 data itself.

6 So, those are some of the concerns that we had.
7 They're just considerations that we feel we need to be
8 mindful of as we move forward on the project.

9 MS. MOSBY: Thank you, Julie. So, I will
10 finish up with our next set, and then we'll open it up
11 for questions.

12 Oh, I'm sorry, Cindy, did you want to come up?
13 Go ahead.

14 MS. PALMER: It wasn't clear ahead of time
15 whether we were presenting or not. So, I'd like to
16 commend EPA on this effort. It was a really valuable
17 exercise to work through the building blocks for an
18 incident reporting system.

19 We all have many concerns, where this is going.
20 We each have what we want out of it. But I thought EPA
21 was very strategic in choosing to focus narrowly on the
22 building blocks, what data is most useful for risk

1 managers and others when we're trying to learn from our
2 mistakes and see how these pesticides are affecting non-
3 targets.

4 From the NGO perspective, we, of course, have
5 many concerns about protecting the identity of those who
6 report, especially in the case of farmworkers. We want
7 to make sure that the systems are in place so that no one
8 gets in trouble or loses their job for raising issues.

9 Also, we wanted to urge that the beekeeping
10 community is closely involved in the development of the
11 data elements. I thought we had some very good
12 discussions, and we could possibly use some more in terms
13 of which elements are reported, which bees, what
14 locations, and so on. It really matters what information
15 you gather.

16 We do have broader concerns, as does industry,
17 about the more extended incident reporting system. They
18 were referenced earlier. Just to explain a little bit
19 further, we're concerned about the aggregate reporting
20 system and the high thresholds of dead animals needed to
21 trigger requirements under FIFRA 6(a)(2). So, very few
22 wildlife incidents are ever recorded.

1 For those who are not so familiar with the
2 6(a)(2) system, for hurting mammals, there are no
3 specific reports required unless at least 50 mammals of a
4 species are killed. For birds, the requirements kick in
5 when 200 of a so-called flocking species, 50 song birds,
6 or 5 raptors are killed.

7 For fish, there are no specific requirements
8 unless 1,000 of a schooling species are killed. For
9 bees, there are no specific requirements, no matter how
10 many are found. For domestic animals or pets, there are
11 no specific reporting requirements. So, we'd like to see
12 that element, that aspect looked at a little bit more
13 closely.

14 We'd also support public access to the data
15 without time and resource intensive (inaudible) process,
16 which can take many months. We have found and we know
17 that there is a lot of data out there in the different
18 federal and state agencies, and we'd like to see more
19 coordination, if at all possible.

20 Behind all these efforts, of course, there will
21 need to be some funding. We do have questions about how
22 funding for laboratory testing and for state and federal

1 coordination can be found. I'm told it's too late for
2 the current PRIA cycle. I'm wondering what other
3 mechanisms are available. It doesn't take a ton of
4 money, but we do need some upgrades in terms of the
5 laboratory testing and so forth. So, where that money
6 will come from is the question mark. Thanks.

7 MS. MOSBY: Thank you, Cindi. So, I'll just
8 finish up with the next steps, and we can start answering
9 some questions.

10 So, developing an improved publicly available
11 incident database will be, as I mentioned, a long-term
12 process. We appreciate the feedback already received by
13 the PPDC workgroup. We will keep in consideration all of
14 the issues and concerns that have been raised. We look
15 forward to continued feedback and discussion. This has
16 been very helpful in us developing and determining even
17 the first building blocks the data elements are to be in
18 and hearing the concerns that are being raised as we
19 think about building, I would say, building like an enterprise or
20 this ideal state data system.

21 Actually, the feedback is exactly what we
22 wanted in terms of building this new data system. We

1 knew that doing this in isolation wouldn't provide what
2 we got. So, this is exactly what we wanted. We wanted
3 the feedback, even though the issues that are of concern,
4 we will roll up our sleeves and think about how we can
5 address those issues that have been raised.

6 At our next PPDC incident workgroup meeting, we
7 will start discussing the second charge, or the second
8 phase for the workgroup, and that is how do we think the
9 specific data elements could be collected. This is the
10 next step in developing an improved incident database,
11 and this will require revisiting some of the data
12 elements that we've already identified. Through this
13 iterative process, some data elements may get changed.
14 So, we started with the set, and that was a huge
15 exercise. But as the process continues, we may see
16 things shift.

17 Also, I would like to personally thank Rich
18 Dumas and Melissa Panger for doing such a
19 fantastic job in sorting through many of these technical
20 issues. I wanted to thank the entire workgroup for our
21 accomplishments thus far, identifying a set of data
22 elements and raising the concerns and issues. That's all

1 part of what we need to move to the next step.

2 So, with that said, I will open it up for
3 questions.

4 MR. HOUSENGER: We've got to go fast here. Bob.

5 BOB: So, can I ask a question and make a
6 comment? So, what I remember used to be true, and I'm
7 wondering if it still is true, is that the Agency can't
8 receive advice directly from a workgroup, right? It has
9 to be presented to PPDC and then PPDC has to -- is that
10 still true?

11 MS. MOSBY: Mm-hmm.

12 BOB: So, this is just a working product,
13 right?

14 MS. MOSBY: Mm-hmm.

15 BOB: And you're not accepting or asking --
16 well, that being the case, and I think it's already been
17 said, but I'm really good at repeating stuff that other
18 people said, which is that I think it was an extremely
19 productive process, a good discussion, Jackie, Rich,
20 Melissa. I think the discussion about data elements was
21 really productive.

22 There's a lot of anxiety, though, about the

1 other stuff. Like, I remember years and years ago when
2 it was customary to have notification registries for
3 people who had multiple chemical sensitivity, and people
4 would set up tables in shopping malls, and you filled out
5 a postcard, and you got on a list with a state agency,
6 and you had to get 72 hours advanced notice of a
7 pesticide application. So, that image is in my mind.

8 It seems to me that it would be useful in this
9 next set of activities to develop something like a white
10 paper, a short white paper that talks about things like
11 who must submit the data, whether it's voluntary or
12 mandatory, who may submit the data, can any consumers go
13 on the website and say my rosebush died and I think the
14 guy next door sprayed some stuff that drifted over, who
15 does it, how will it be used, how will it be validated,
16 who will have access to it. I just think that would be a
17 really useful step to ensure that everybody has a common
18 understanding of what this data set looks like and how
19 it's going to be used.

20 MS. MOSBY: Thank you. We'll look into doing
21 that. I think that's a good idea.

22 MR. HOUSENGER: Cheryl.

1 CHERYL: So, kind of building on what Bob just
2 said, I think slide 9 is the crux of what the angst is
3 about. I was a member of the workgroup, and it was very
4 difficult for me to rank data elements without context.
5 I was told that it wasn't as difficult for other members.
6 They could rank them without context, but I struggled
7 with ranking outside of context.

8 Can you pull up slide 9, please? So, these are
9 the really fundamental questions. When you're ranking a
10 data element, are you ranking it to be mandatory or an
11 open box if somebody has that information? I'd like to
12 have more information if it's available, but I don't want
13 to mandate it. So, the ranking exercise is really
14 difficult.

15 I think the good part was all the discussion
16 around the data elements. It's my understanding that
17 you've maintained a spreadsheet that has all the comments
18 in it. I think that was the value of this. But I do
19 think that moving to the second step of trying to talk
20 about how we're going to get the data is a little
21 premature until we've answered some of these other
22 things: what's mandatory, what's voluntary.

1 And one of the opening slides also said that
2 you're concerned in some way that you're not getting all
3 the data from other systems. Well, building this system
4 down to the nth degree without looking at what are the
5 barriers to getting data where you think it resides from
6 other places, especially -- we really don't have anybody
7 representing state agency, if we think that's a piece of
8 this. We need to pull that in and figure that out before
9 we go down and develop the next collection.

10 So, I know it takes a lot of time, and there
11 has been progress, and we want to move forward in kind of
12 a linear path, but I think this needs to be addressed
13 before you move to the next step. Thanks.

14 MS. MOSBY: In the workgroup, one of the things
15 we'd like to hear, if there are other systems and there's
16 knowledge of other systems, we will start talking about
17 that. Hopefully, the mix of folks that we have on the
18 workgroup will be able to help us with that kind of
19 identification.

20 I know it was a comment. I heard what you
21 said, and we will do that.

22 MR. HOUSENGER: We're running horribly off

1 time, so I'm not taking any more people than the people
2 that have their cards up already.

3 Robyn.

4 ROBYN: Just two quick comments. I'm also on
5 the incident workgroup, so I applaud the report. Just to
6 reiterate, from the health care and the research
7 community, as much as can be made publicly available. I
8 understand about protecting public health information or
9 private personal health information. Yes, I agree with
10 all that, but if it can be de-identified as much as can
11 be publicly available and standardized, it would really
12 help the research community to be able to do health
13 studies.

14 MS. MOSBY: Thank you.

15 MR. HOUSENGER: Marc.

16 MARC: Yes, and good morning, everyone. So, I
17 have some concerns and then a basic question, which might
18 go to a suggestion. My concern is that there seems to be
19 something in effect to preclude rule change or rule making
20 right from the start. I'm not quite sure that that's a
21 way to start doing things, depending on what comes out of
22 it. Enhanced monitoring is always a good thing. In

1 fact, I think something that Robyn was alluding to is
2 this idea of surveillance and public health is very
3 important. Sometimes we don't see patterns until we get
4 enough data in to look at things. If we restrict the
5 type of data that we get in, then how are we going to get
6 those patterns and trends? So, I certainly would applaud
7 an idea for enhanced monitoring, which, of course, I do
8 think the workgroup is heading towards.

9 Then, of course, I realize that this is
10 difficult in light of the fact that the Agency is
11 supposed to be monitoring, but they have a decreased
12 funding situation, and they're not able to do that. So,
13 one of the things that I know is done in water is that
14 there are 319H grants for the education of citizen
15 scientists that will do more monitoring out there. They
16 do that with lakes and streams with regard to water
17 quality. Why can't something like this be done with
18 regard to incident reporting so we can have more data
19 from qualified people so that Bob doesn't get too upset
20 about unqualified people, and have something like this
21 being done?

22 In general, I think that there are ways of

1 enhancing monitoring. I do think that to preclude rule change
2 is not a way to start out. At the same time, I'm not
3 saying that you have to change the rules; I'm saying that
4 we're not going to do this, even if we have data that
5 says it should be done. Thank you.

6 MS. MOSBY: Thank you. I was just going to say
7 it is our intent to have data elements for the voluntary
8 collection. I don't think that we are precluding at this point
9 any changes to 6(a)(2). There's work that always is
10 going on in the Agency that will look at whether there is
11 a need for changes to 6(a)(2). I think that there are
12 separate venues for that. Our goal here is to look at
13 developing this data system that will make the voluntary
14 data better.

15 MR. HOUSENGER: Okay, Ray.

16 RAY: What is the source of the definition that
17 was given on, I think, slide 2?

18 MS. MOSBY: EPA web site.

19 RAY: Where on the EPA web site?

20 MS. MOSBY: We can provide that for you.

21 RAY: It differs from the 6(a)(2) definition.
22 Given its intended use, it must be subject to rulemaking.

1 It can't just be coughed up and changed at will by the
2 Agency; it has to be subject to rulemaking, particularly
3 in the sense that the first use proposed for this
4 database is to support risk management decisions. That
5 makes any incident reporting system a regulatory process.

6 Furthermore, any collection of data by the
7 federal government, whether it's voluntary or mandatory,
8 is subject to the Administrative Procedures Act, review
9 and approval by the Office of Management and Budget.
10 FIFRA regulates on the basis of no unreasonable adverse
11 effects; it's not on the basis of counts of incidents or
12 on the basis of any exposure or on the basis of any
13 affecteds, no unreasonable adverse effects. These all
14 need to be taken into account in the further work of the
15 workgroup.

16 MR. HOUSENGER: Aimee.

17 AIMEE: Well, like many others, thank you so
18 much for undertaking this process. I think incident
19 reporting is so valuable. I'm glad that you're looking
20 at how to make it more effective. Two quick stories that
21 I've had dealing with 6(a)(2) and incident reporting.

22 The first one was Raptor Center (phonetic). I

1 called them up one time, actually not thinking that I was
2 talking about pesticides but organizing a school trip.
3 We found out that just chatting with the woman they think
4 more than 50 percent of their raptor incidents are due to
5 rodenticides (inaudible). That's how they manage and
6 treat them. They know nothing about 6(a)(2). They're
7 able to keep these birds alive, but they didn't know
8 anything about those incidents, and they didn't know to
9 report them.

10 So, we do need more information, and we need to
11 be able to get this information out.

12 The other was myself trying to do a report. It
13 was correlation; it wasn't a causal. But I was trying to
14 figure out how to report a bee incident that had
15 occurred. I called the registrant. I called the
16 Department of Ag. I called the National Pesticide
17 Information Center where I used to work. It was amazing
18 how people didn't know what I needed to be able to report
19 an incident. I figure I'm kind of on the inside, so that
20 was concerning to me.

21 So, again, I really applaud this effort. It is
22 so important. I think people have spoken to the value of

1 this monitoring and incident reporting already. Just to
2 point out, it is used right now in risk assessment. We
3 talked about yesterday how it's part of the weighted
4 system; yet, we don't really know how much of the
5 information we're collecting. That's really hard to
6 meet, including it in a system when we don't really know
7 how representative it is of the incidents that are out
8 there.

9 So, again, thank you very much.

10 MS. MOSBY: Thank you.

11 MR. HOUSENGER: Steven.

12 STEVEN: Oh, man, I was nervous for a minute.
13 I thought I was going to agree with Ray again, two days
14 in a row. I'm close. My question was about the
15 definition, who came up with the definition. You
16 addressed that. It's in your consideration slides, so I
17 hope you kind of figure this out, what Ray may not
18 consider an adverse effect but I might consider an
19 adverse effect. So, I think that's something important
20 that you need to kind of flesh out pretty quick.

21 Then, another concern I had was state agencies.
22 So, this current system which you're working, which I've

1 not been involved with, is going to be independent of
2 reporting to a state agency? California has a lot of data;
3 Mississippi has very little data on bee incidents. So, I
4 think it's important to know -- that's my question. Are
5 you integrating state information with this or is this
6 independent of that?

7 MS. MOSBY: We will look at the data that's
8 currently out there and figure out what makes sense.

9 STEVEN: See, that's part of the problem. As
10 far as bee incidents, there's a lack of data.

11 MS. MOSBY: That makes sense. So, we would
12 have to look at that and make that determination as we
13 move forward.

14 STEVEN: If it's not there to see, then how do
15 you see it? The incidents are happening, but it's not
16 being reported. So, how can you look at it and say, oh,
17 well, now I need to --

18 MS. MOSBY: So, what would be the alternative?
19 What would you suggest we do? Where would we get the
20 data? That's the sort of things we're looking to the
21 workgroup for. Are there other places where we might
22 find that data?

1 STEVEN: That's the million dollar question,
2 because for the beekeepers, incident reporting ends up in
3 a punitive action. So, beekeepers have no incentive to
4 report, because it's punitive against the applicator or
5 the grower or the beekeeper. So, I don't really know
6 what the solution is, but I know that just because
7 there's no data doesn't mean there's no incidents.

8 MS. MOSBY: We'll look into it and try to
9 figure out a solution.

10 MR. HOUSENGER: Gabriele.

11 GABRIELE: I'm just reflecting on the
12 conversation. One thing that I'm really hearing, and I'm
13 picking up on the words of the difference between an
14 incident which has a very particular legal meaning, at
15 least to some in the audience, versus a complaint where
16 it might or might not be an actual incident, which we
17 don't know yet until we investigate it, or someone has
18 taken a look at it.

19 This comes back to Cheryl's point, it's really
20 hard to say what I should be talking about because
21 there's a very different realm in this 6(a)(2) versus
22 just trying to keep track of what everybody is seeing out

1 there or worrying about out there. Again, I'm not saying
2 that they're not legitimate worries, but there's
3 something going on.

4 My advice might be that you actually separate
5 out the two processes. You talk about something that's
6 voluntary reporting. You talk about something, and I
7 don't know if complaint is the right word, but something
8 that you take that word incident out of it, because it's
9 clearly loaded. It has very specific loaded meanings.

10 So, then I think you'll be able to actually
11 have the conversations about how do we figure out how to
12 monitor and get information out from the public different
13 from what's needed on the 6(a)(2). I'm not saying
14 they're completely separate processes, one will inform
15 the other, but I think you would get to a clearer result
16 if you could differentiate the two, because as I
17 listen to this conversation, it's clear that that's where
18 the panic is. That would also make it easier to separate
19 out and figure out ways to have concerns be raised
20 without some of these other issues coming up about
21 anonymity and so forth, because then you can start
22 collecting that information without it having to meet

1 certain legal requirements.

2 So, I just really urge, as you go forward with
3 this conversation, because it's clear that the membership
4 of your group, including us, is hearing two things, and
5 there's very different thinking, depending on which way
6 you're going. Again, not that one shouldn't be
7 influencing the other, but it would make life a lot
8 easier and more clear cut, okay.

9 MS. MOSBY: Thank you.

10 MR. HOUSENGER: Tom.

11 TOM: Thanks, and I'll try and be quick. I'm
12 on the committee also. Also, in a past life, I've filled
13 out a lot of these forms under the old pesticide incident
14 monitoring system as a state inspector. I think partly
15 why that failed was because of how the data information was
16 used.

17 So, I think before we go forward, we have to
18 address a lot of these questions beforehand. Also, in
19 the data, there's so much of it that's there, I think
20 when people look at things to fill out, that I think if
21 it's so voluminous, that people will just not fill it out
22 because so much is there. So, I think we've got to look

1 at the amount there, too.

2 MR. HOUSENGER: Andy.

3 ANDY: I think Gabriele touched on what my
4 question was. Are these reported as incidents prior to
5 an investigation? Are we opening up the system for
6 people to report incidents that aren't qualified to
7 identify what an incident actually is?

8 MS. MOSBY: I'm going to let Melissa just
9 answer that very quickly.

10 MELISSA: So, right now this wouldn't change
11 the type of information in the sense of how it comes in.
12 Right now, anybody can report an incident. There's
13 voluntary reporting that's allowed. We get a range of
14 data in right now. We get some incident data that have
15 been fully investigated by the state. We have lab data.
16 Then we've got other things that come in, like Jackie
17 said, on a napkin. So, we get a wide range right now.
18 That was one of the reasons of working with the
19 workgroup, to try and standardize that a little bit on
20 the voluntary side, primarily.

21 So, it ranges. We get data. We're dealing
22 with all these issues currently with the data that we're

1 get in. These are not new specific issues. We get
2 voluntary data all the time. We get registrant data all
3 the time. We have to deal with a lot of these issues.
4 So, the response to the question is we get a wide range
5 of quality of the data right now.

6 ANDY: But are they reported as incidents
7 rather than just complaints prior to an investigation?

8 MELISSA: The required ones come in under
9 6(a)(2) to our incident coordinator, a 6(a)(2)
10 coordinator. Those come in under the 6(a)(2)
11 requirements. The voluntary reports come in in a variety
12 of formats. As I said, some come in and they're
13 investigated; some come in not. We take them. Some
14 might be complaints. Some might be incidents, however
15 you define that. But we consider them incidents when
16 they come in, and then we validate or look at the
17 information before it's used.

18 That's true for all the information. When we
19 use the incident information, before it's used in a risk
20 assessment, they're all evaluated by the staff scientists
21 before they're used. So, that's part of the process.

22 MR. HOUSENGER: Amy.

1 AMY: I want to say thank you to the workgroup
2 and EPA for looking at this really important issue. I'm
3 a little concerned about Bob's comments. PPDC is sort of
4 echoing what the workgroup is coming up with, and I think
5 that that's important to know.

6 One of the things I wanted to throw out there,
7 as you move forward and as you look at the data, I know
8 there's a lot of really good people on your workgroup
9 that are thinking about this as well. There is a
10 population that we know is overexposed. That happens to
11 be the farmworkers. So, as we move forward with looking
12 at incidents, making it so that these voluntary reports
13 can be meaningful and used in a way to impact policy, I
14 think that's really critical.

15 So, I commend you for looking at this. I want
16 us to think about sort of the needs of special
17 populations and a worker population that's the most
18 overexposed population of pesticides.

19 MS. MOSBY: Thank you, and thank you, everyone.
20 Are there any more questions?

21 UNIDENTIFIED FEMALE: I just wanted to say one
22 more thing, because this kind of got flossed over in the

1 presentation. Anything we do will have a communication
2 plan for the public, for the registrants, for the NGOs,
3 so that we can make it as clear as possible and as
4 transparent as possible.

5 MS. MOSBY: So, that's it. Thank you.

6 MR. HOUSENGER: That's the end of that one.
7 We're 20 minutes over right now, so your break is going
8 to be truncated.

9 Next up is resistance management. Bill Chism
10 is leading that discussion.

11 MR. CHISM: Thank you very much. We've been
12 working on resistance in the program for a number of
13 years, and things seem to be coming together this year.
14 So, I'm pretty pleased to be here today.

15 My name is Bill Chism. Nikhil Mallampalli and
16 Jeannette Martinez will be talking about different
17 sections today. We're going to talk a little bit about
18 background on resistance, why we're interested in this,
19 talk a little bit about a couple pesticide registration
20 notices that are now active on our web site, and also
21 discuss changes to the EPA's corn rootworm resistance
22 management strategy. Then, hopefully, we will have time

1 for questions.

2 Pesticide resistance, what do we mean? Over
3 time, agricultural pests become resistant to a pesticide.
4 I think everybody in the room is aware of this. The
5 process is greatly exaggerated or accelerated when
6 pesticides with the same mode of action are repeatedly
7 used on the same pests. We're going to hopefully address
8 that with some of our PR notices.

9 The slide here talks about the number of
10 resistant, case of unique resistance. So, if an insect
11 is resistant to five different insecticides, that would
12 be five cases. The black line is insecticide resistance,
13 the red line is fungicide resistance, and the blue line
14 is weed resistance.

15 So, as you can see, over the last few years,
16 the number of cases has gone up dramatically. In the
17 U.S., there's at least 155 weed species that are
18 resistance to one or more mechanisms of action.
19 Globally, there's at least 580 species of insects that
20 are resistant to one or more insecticides.

21 Why manage pesticide resistance? Believe it or
22 not, the Agency would like to extend the lifetime of

1 pesticides. They're very expensive. They take a lot of
2 effort to get registered. We'd like to keep them
3 effective as long as possible.

4 Some of the steps we'll talk about with the PR
5 notices are to provide growers with information on how to
6 slow the development or spread of resistant pests, help
7 reduce the economic losses due to resistance, and
8 potentially reduce pesticide usage and then unnecessary
9 pesticide loading in the environment. When a pesticide
10 is used and the pest doesn't die due to resistance, we'd
11 rather avoid that situation.

12 Just some examples of herbicide resistance. In
13 2010, there is approximately 33 million acres infested
14 with glyphosate-resistant weeds. Two years later in
15 2012, that number was approximately 61 million acres.
16 The USDA reported in 2010 that corn and soybean growers
17 with glyphosate-resistant weeds spent more money per acre
18 for weed control. In the case of corn growers, they were
19 spending an extra \$67 an acre. In the case of soybean
20 growers, they were spending an extra \$23 per acre. So,
21 it's having impacts at the grower level. In the case of
22 Georgia, we have some information from them. In 2010 and

1 2011, they spent an aggregate of an extra \$100 million
2 for Palmer amaranth control in cotton.

3 So, we're beginning to see if there's some
4 places we can interface with this problem. We're
5 releasing two pesticide registration notices, one on
6 guidance for pesticide registrants on resistance
7 management labeling. This is an update to a 2001 PR
8 notice that was already out. The second one is guidance
9 for herbicide resistance management for labeling,
10 education, training, and stewardship. This focuses on
11 some overall strategies for herbicide resistance and
12 would target the registration and re-registration.

13 I'll turn it over to Nikhil Mallampalli.

14 MR. MALLAMPALLI: Thank you. So, this slide
15 just gives you a brief reminder of what pesticide
16 registration notices are. They provide non-binding,
17 voluntary guidance to pesticide registrants and EPA staff
18 regarding pesticide registration activities and
19 decisions. They should inform pesticide registrants and
20 anyone else who is interested about the important
21 policies, procedures, and information that should
22 facilitate registration-related decisions. They support

1 EPA's commitment to be transparent in its decision making
2 and should reduce the time, burden, and costs for
3 registrants and EPA by providing guidance that makes it
4 easier to comply with statutory requirements. So, it's
5 just a very short overview of what these things are.

6 So, I'll just go over this slide and then turn
7 it over to Bill for the second PRN. This slide briefly
8 summarizes the general changes that an OPP workgroup has
9 developed to the 2001 PR notice that addresses what
10 registrants could put on their labels for conventional
11 agricultural pesticides as far as resistance management
12 guidance goes to the end user.

13 So, it's broadly three categories of updates in
14 the new PR notice that supercedes the 2001 guidance.
15 First it provides a bit more additional guidance on the
16 details that registrants can put as far as resistance
17 management information for the end user of the
18 pesticides. It goes into more detail on the recommended
19 format for things like the mode of action box that we
20 hope all pesticide labels will carry eventually, which
21 tells the end user what category of pesticides they're
22 using.

1 Most of this information is pretty much the
2 same as in 2001, but, for example, we have tried to add
3 more examples of the IPM, integrated pest management,
4 tactics an end user could use to help manage resistance.
5 So, trying to go beyond just the mode of action box a
6 little bit.

7 We have also included new references to
8 external technical resources that registrants can use to
9 find mode of action information, for example, referencing
10 the web sites for the resistance action committees, that
11 industry has reestablished the modes of action groupings for
12 pesticides. And there's links to mention the relevant
13 side of these societies, like the Entomology Society of
14 America, for example.

15 Another big category of the changes to 2001 PR
16 notice is how to submit changes to existing labels. Our
17 new guidance explains that, for example, if resistance
18 management language is the only change to an existing
19 label, a PRIA fee will not be charged for that. It would
20 consider it a fast-track amendment change. PRIA did not
21 exist early in 2001. It wasn't really addressed in the
22 original PR notice. It also goes into some detail about

1 how electronic submissions could be made, which also did
2 not exist in 2001.

3 These updates were developed in collaboration
4 with Canada's pest management regulatory authority, PMRI.
5 They have had a very similar regulatory directive, which
6 is what they call the same guidance, on their web site
7 since 2013.

8 I'll also add, and it's not on the slide, we
9 have also updated the label review manual, the chapter
10 that addresses resistance management information that
11 should go on the pesticide labels. This manual is a
12 resource that EPA uses, mainly the registration division,
13 to help improve the quality and consistency of labels.
14 So, EPA staff do consult that. We expect registrants do
15 also consult that when they are making changes to
16 existing labels or developing new labels.

17 I'll be going into more detail in that chapter
18 as to how to develop mode of action boxes for more
19 complex mixtures of pesticides, such as make sure there's
20 two or more active ingredients or a mixture of a
21 fungicide or an insecticide. So, all of that is in the
22 associated label review manual. We will be putting that

1 updated chapter along with this update to the PR notice out for
2 public comment on regulations.gov.

3 With that, I'm going to turn it back to Bill.
4 He's going to talk about the second PR notice, which is
5 sort of affiliated with this one.

6 MR. CHISM: Thank you. The second PR notice
7 should be released with the same FR notice that the first
8 labeling one will go out. They're both due soon. They
9 are on our web site. We will have that link at the end.

10 Why did we start with herbicides? There has not
11 been a new mode of action introduced in the market in
12 over 30 years. The most widely used type of pesticides
13 are herbicides. The herbicide resistant weeds are
14 increasing rapidly. We've had a number of groups come in
15 and ask us specifically to do something about this. So,
16 we thought it would be good to start with the herbicides
17 and see how this works out.

18 What we've tried to do is provide a strategy to
19 address resistance during registration and registration
20 review. We've tried to introduce educational and
21 training elements and try and see if we can provide a
22 framework for educating the grower and the consultant and

1 providing information they might need.

2 It's a tiered approach based on the potential
3 for resistance to develop. I'll show you that in a
4 second. We're promoting use of 11 different elements
5 adapted from the Weed Science Society to focus on label
6 information and directions, some training and educational
7 materials, locally developed resistance plans. We talked
8 about early detection, investigation, and remediation.

9 I apologize this slide is kind of busy. This
10 is the 11 elements. What we're proposing is that we have
11 a low, moderate, and high category of concern. The
12 herbicides with a mode of action that falls into the low
13 concern -- there's, I believe, nine different modes of
14 action that have no resistant weed species at all.

15 We would like them to put mode of action on the
16 label. We consider that a critical element if growers
17 and consultants are going to develop a resistance
18 management plan. We would like the seasonal and annual
19 maximum number of applications in pounds. You can't
20 develop a resistance plan if you don't know how much you
21 can use and properly plan for that.

22 We would like resistance management language

1 from the PRN. The Weed Science Society has best
2 management practices. The Herbicide Resistance Action
3 Committee has generic resistance language. All of that
4 would be a wonderful thing and very helpful on the label.

5 We would like the labels to remind the users to
6 scout before and after application, because if you don't
7 scout before, you may not be correctly identifying the
8 weed. If you don't go out afterwards, it may escape you
9 and you didn't realize it until it's too late. These are
10 recommendations on the label, not a requirement.

11 For the moderate category, there's about 12
12 modes of action that have somewhere between 1 and 9
13 resistance weed species. These are species in the U.S.
14 only, not worldwide. We would like elements one through
15 four plus define likely and confirmed resistance on the
16 label.

17 We would like a statement reminding farmers to
18 report lack of performance to the registrant or its
19 agents. If they think that they might have a resistance
20 problem occurring, we would like them to report that.
21 List confirmed resistance species in a separate table on
22 the label and list effective or recommended rates. If

1 those species can still be controlled in your state, they
2 may be resistant somewhere else. But you can still
3 control them in your state. We're hoping there would be
4 a recommended rate for those weed species so you don't
5 accidentally use a very low rate and select for resistant
6 species.

7 Number 8, the registrant should report new
8 cases of likely and confirmed resistance to the EPA and
9 the users yearly. There's been cases of an HPPD
10 resistant weed. It took five years before they could
11 confirm resistance. We think early detection and getting
12 that information out there is critical. If you can deal
13 with it for the first four years, maybe it won't become
14 resistant. So, we'd like early reporting to us, and we
15 hope to make that available somehow on our web site so
16 that growers and consultants can see those cases.

17 The areas of high concern, there's seven modes
18 of action with high levels of resistant weeds. We'd also
19 like any new mode of action. We haven't seen one in 30
20 years. We'd really like to protect it to have these
21 resistance elements.

22 Also herbicide resistant crops, either

1 genetically modified or through traditional breeding we
2 think fall into this category because herbicide resistant
3 crops have been linked with herbicide resistance.

4 Provide elements one through eight plus provide growers
5 with a resistance management plan, a remedial action
6 plan, which is what do you do if you suspect you have
7 resistant weeds, and some educational materials on
8 resistance management.

9 The resistance plans, remedial plans, should be
10 locally adapted. They should be by the extension, the
11 crop consultants, the grower groups such as the corn,
12 soybean, cotton. They're very active in this area. I
13 don't want to see them. I don't want to approve them. I
14 don't want them on the label, because that would take way
15 too long for them to adapt to local conditions. These
16 things may have to change yearly.

17 For combination products with multiple modes of
18 action, we would really like a table listing which mode
19 of action is effective on which weed species. With some
20 of these five-way combinations, I don't know how a
21 consultant or grower can figure it out if he's got
22 multiple effective modes of action for his weeds. This

1 could be something as a handout or on a separate web
2 site, but it would be really important for the crop
3 consultants to know if he's got multiple effective modes
4 of action. It's really hard to tell with the combination
5 products.

6 Then, finally, any additional specific
7 requirements such as a crop rotation requirement, some
8 unique agronomic aspects, time limited registrations, et
9 cetera.

10 For Enlist Duo, the 2, 4-D, and glyphosate
11 resistant corn and soybean, that was registered in 2014.
12 The registrant incorporated herbicide resistance
13 management plan into their registration. We did not have
14 all 11 elements, so they didn't address it at that point.
15 The most recent one undergoing review is Dicamba Xtend,
16 which is the dicamba resistant cotton and soybean. They
17 have gone through and addressed all 11 of our elements,
18 so we think that through time, we'll get more groups
19 cooperating with this.

20 So, the next steps, we hope to release the
21 PRNs. They are up on our web page. Evaluate and
22 consider comments. We hope to finalize both of them in

1 the fall of 2016.

2 I'd like to turn it over to Jeannette Martinez.

3 MS. MARTINEZ: Good morning, everybody. So,
4 I'll be giving you a brief overview and background on the
5 process behind the new framework for Bt corn and corn
6 rootworm resistance management. Then I'll talk about the
7 changes that were made as a result of this process.

8 My presentation will be more high level than
9 the herbicide resistance presentation you've seen. But
10 if you have questions afterwards, I'd be happy to answer
11 them.

12 So, back in 2009 at a USDA organized meeting,
13 we heard from corn rootworm entomologists that they
14 observed (inaudible) failure, Bt corn failure in Iowa.
15 In 2011, a publication went out confirming resistance to
16 (inaudible) in corn rootworm. As a result of that, we
17 here at EPA have had extensive and regular discussions
18 with the corn rootworm experts. We then developed a
19 white paper in 2013 discussing the scientific
20 uncertainties for corn rootworm and the resistance
21 management program that we have. We brought this before
22 a scientific advisory panel in 2013 as well. The goal

1 was to develop new mechanisms in the EPA resistance
2 management program that would result in more proactive
3 detection of resistance in the field and more effective
4 mitigation of resistance.

5 Here at the EPA we developed an initial
6 proposal of the framework for Bt corn and corn rootworm
7 in 2014, taking into consideration the SAP's
8 recommendation. In fall of that year, we opened up the
9 proposal for public comments. The comment period ended
10 in spring of 2015, and the final framework was finalized
11 in 2016. It addressed public comments and concerns and
12 it incorporated SAP's recommendations. The goal of the
13 framework as it is today is to extend the durability of
14 these non-(inaudible) Bts that are aimed to control corn
15 rootworm and its benefits.

16 We also developed this new program with an eye
17 towards the future and the new biotech products that are
18 in the corn rootworm control that reduce conventional
19 pesticides in the environment and exposure to humans.

20 So, briefly, let me touch on five major
21 categories of the framework where changes were made. I
22 also included a docket number in the title section that

1 will lead you to the framework in the docket if you're
2 interested to look at it more closely.

3 So, based on the SAP's recommendation, refuge
4 alone was insufficient for non-high dose Bt corn
5 (inaudible) and IPM was needed to extend the lifetime of
6 these traits. That was the first major change. We also
7 made changes to how registrants investigate and report
8 unexpected damage and test for resistant populations.

9 The formerly relied upon (inaudible) acids were
10 replaced with more fields representative on plant
11 assays. Further changes were made to the mitigation of
12 resistant populations that met EPA's resistance criteria,
13 as well as annual reporting of IPM adoption and other
14 activities surrounding grower education, et cetera.

15 The focus of the remaining slides will be on
16 changes related to IPM for the first bullet, unexpected
17 damage, and resistance confirmation, the second bullet,
18 and mitigation of resistance of the framework which is
19 the fourth bullet.

20 So, feel free to ask questions about anything
21 else during the discussion section.

22 So, now I'm moving on to discuss the IPM

1 stewardship piece of the framework a little bit in more
2 detail. So, biotech companies are required to develop
3 and implement an educational outreach program for growers
4 who plant Bt corn. Biotechnology companies must develop
5 and help implement a multi-year management plan for
6 growers using the Bt corn consistent with good IPM
7 practices. These plans will allow a lot of grower
8 flexibility and can be adjusted to a grower's specific
9 situation.

10 IPM with Bt use is important, and it will delay
11 resistance development. IPM tools include rotation to a
12 non-corn rootworm host every few years, which is
13 preferred and the most effective tool, planting of
14 pyramided Bt corn and, of course, also non-Bt corn
15 varieties with a soil-applied insecticide. This will be
16 an especially effective tool right after the grower has
17 crop rotated the fields and when we know that there are
18 fewer (inaudible) in the field.

19 Now, let me discuss some of the changes that
20 were made to the unexpected damage follow up and
21 resistance confirmation section of the framework. Bt
22 corn failure can be an early indicator for corn rootworm

1 having evolved resistance to Bt. So, therefore,
2 proactive and robust actions are critical to lessen or,
3 in some cases, to eliminate the impact of resistant
4 populations in that area.

5 Therefore, when biotech companies investigate
6 grower complaints, we have now standardized thresholds in
7 place for single and pyramided Bt corn to determine if a
8 field is truly an unexpected damaged field caused by corn
9 rootworm feeding on those roots.

10 If the thresholds have triggered or exceeded,
11 corn rootworm will need to be collected by the registrant
12 and tested for resistance with these new on plant
13 assays. Well, they're not new, but they're new to the
14 program.

15 When unexpected damage has been confirmed, the
16 biotechnology company must implement best management
17 practices in the field and the surrounding areas based on
18 good IPM. The preferred option is to rotate to a non-
19 crop host in that field the following year. If that
20 occurs, then we consider the area mitigated and no
21 further actions or follow up by the biotechnology company
22 is therefore needed. So, that's a very powerful way to

1 reduce input by the registrants but also have effective
2 proactive mitigation.

3 The second best option is to use pyramided Bt
4 corn. Then, of course, we also have the option of
5 planting different single Bt traits or non-Bt corn with a
6 soil-applied insecticide. The last option is to use a
7 soil-applied insecticide with Bt or a seed treatment or
8 chemigation of adults if additional management tools
9 beyond options one and two are absolutely necessary. The
10 use of soil-applied insecticides with Bt is not a
11 recommended option by EPA.

12 Now, I'm moving on to discuss some of the
13 changes that occurred in the mitigation section of the
14 framework, actually my favorite section in the whole
15 document. We now have specific enhanced actions in place
16 that are triggered if a resistance case is confirmed in a
17 particular area. For example, the biotechnology company
18 must notify the affected companies that also sell the
19 compromised trait, the neighboring customers, extension
20 specialists, and crop consultants where the corn rootworm
21 are resistant.

22 Furthermore, a half mile radius will be drawn

1 around that resistant site which constitutes the
2 mitigation action area. That distance was based on the
3 lifetime dispersal within a generation of the corn
4 rootworm.

5 Within this area, the sales of the compromised
6 Bt trait will be discontinued, and planting will not be
7 permitted until a resistance has shown to be mitigated.
8 The biotech company must monitor resistant populations
9 until mitigation is completed. Pyramids planted in a
10 mitigation action area containing the compromised trait
11 require now a 20 percent refuge. That's an increase from
12 the 5 percent up to 20 percent because the pyramid is now
13 compromised. It's not a true trait product anymore.
14 That will be effective until mitigation is complete.

15 Of course, the most effective mitigation
16 practice again is crop rotation. So, if this was to
17 occur in the entire mitigation action area, we would
18 consider this area mitigated until next year where the
19 grower could continue to plant as he sees fit. Pyramids
20 are the second best option to use. The biotechnology
21 company needs to encourage the growers to use these
22 tools.

1 Now, an important question that seems to
2 concern a lot of people is, who does this new framework
3 apply to. Well, it is a legally binding document for the
4 biotechnology companies who sell the Bt seeds to growers.
5 The biotech companies are also obligated under this
6 agreement to annually assess the IPM adoption in the corn
7 belt and to report this back to us so that we can check
8 the adoption of IPM with Bt deployment increasing,
9 decreasing, is it staying stable so that we can
10 troubleshoot and see where the problem is and try and get
11 this percentage up.

12 Grower education, of course, will be an ongoing
13 process and is an important aspect to the success of the
14 framework. The framework permits a lot of flexibility
15 for growers, and it encourages an adoptive multi-year
16 corn rootworm management plan. The burden on the growers
17 should really be minimal.

18 Now, if you have any questions, we would be
19 happy to take them.

20 MR. HOUSENGER: Bruce.

21 BRUCE: Clarifying question, and then maybe the
22 first public comment on the proposed changes to the PR

1 notices.

2 Bill, I can't remember if you're the one who
3 said it, but the update to the 2001 PRN, will it require
4 -- I think fast track amendment was the term used. Will
5 it actually require review and approval by the
6 registration division, or BEAD, or can that still be done
7 by notification?

8 MR. CHISM: If, for example, a company is
9 putting the stated resistance management language from
10 the PRN on there or if they're putting the mode of action
11 on the label, then it would just be notification, as long
12 as that's the only change.

13 BRUCE: My suggestion is, when you guys re-
14 engineered that PR notice, have it end up in the same
15 place -- I think it's the current one -- so that the
16 utility of it is so straightforward, it can be done by
17 notification. That will really bring consistency. I think
18 it will help rationalize resources within the Agency and
19 help really get this thing done in a consistent way. So,
20 that's my suggestion.

21 MR. CHISM: That is a good point, and that is
22 the intention of this.

1 MR. HOUSENGER: Gabriele.

2 GABRIELE: I just wanted to say that for a coop
3 that's not GMO, we have the same problems. So, as EPA is
4 thinking about these things, I would encourage you to
5 think about it in a larger context. So, just to give you
6 some examples, we have weed resistance because what we're
7 -- I mean, the bottom line is it's an orchard crop. You
8 can't rotate. So, you've got to think about that.
9 You're in the same system for 15, 20, 25, 40, who knows
10 how long in the case of pistachio years. So, that is not
11 an option for us.

12 So, I just want to be clear that this is an
13 issue certainly from us as a grower organization and
14 funding research in an outreach, we keep harping on
15 growers rotate, rotate, rotate your materials. One
16 reason why we always want a multiple range of materials
17 for growers to use. I just want to say it's really hard
18 when something works well, and particularly if it's
19 cheap, it's really hard to make those arguments.

20 I think the other thing to be careful of, and
21 again it's coming back to rotations, in a previous life
22 working with carrot growers, one of their concerns was

1 that over time, they had less crops they could rotate to
2 because of economics. So, again, realize that economics
3 is a big driver in crop rotation. I don't know how to
4 manage that, but I think really thinking through -- I
5 like that you're putting the mode of action on labels. I
6 think that will be very helpful across the board. But
7 again, give some thought.

8 I did have a question. I didn't understand
9 this ranking of the mode of action for the herbicides in
10 low, medium, high risk. It sounded like it was just
11 based on whether resistance had already developed. To
12 me, that's not a good idea, because if something is newer
13 -- it sounds like with herbicides we don't have anything
14 newer, but some of it is just a matter of time.

15 I mean, I would rather look at the mode of
16 action as something that's going after multiple sites, is
17 it more prone to resistance development or not. Just
18 because it doesn't have it yet, doesn't mean it can't
19 develop it without managing it carefully. So, I would
20 revisit how you define low, medium, high in terms of weed
21 management.

22 MR. CHISM: That's a good point. Just to that

1 last part, the low, moderate, and high, this is our
2 proposal for trying to focus the attention on the cases
3 where there's the most resistance. But there may be
4 other ways, and we're hoping to get some good feedback,
5 as you say, about rotations and whether that's a logical
6 way to go forward.

7 MR. HOUSENGER: I don't think our attempt was
8 to limit it to GMO. It's the start, and you have to
9 start somewhere.

10 Cheryl.

11 CHERYL: So, my question was also about the
12 low, medium, high slide. When you got over to the high,
13 you had a whole lot of stuff. You said some very
14 specific information. You said they're not going to be
15 on the label. It wasn't clear what was going to be on
16 the label, because when you started, it was thinking from
17 the label.

18 My point is, it's a very fluid situation. Low,
19 medium, and high is assigned for kind of ranking in part,
20 bringing attention. But it's a fluid situation,
21 especially as you have species coming on board that need
22 to be verified, now you have an issue, and if it's moving

1 from state to state. Those kinds of things don't work
2 well on a stamped accepted label or a package label.

3 So, please consider a URL where you can get to
4 updated information that's going to make things much
5 better than trying to force everything on the label. It
6 sounds like you're partially there, but just reiterate
7 that.

8 MR. CHISM: So, for example, the mode of action
9 on the label, some sort of remind people to scout, remind
10 people that resistance language. But a lot of this,
11 you're right, would not be on the label because it's not
12 quick enough to change. I don't want us getting in the
13 way of being able to rapidly change with the existing
14 conditions.

15 MR. HOUSENGER: Marc.

16 MARC: I'm gratified that the Agency is being
17 as aggressive as they are on this. I can say that the
18 original USDA programs for IPM in 1968 were generated
19 because of resistance, particularly to the cotton boll
20 worm with regard to the OPs and organochlorines. So, this
21 goes back to the same thing all the time. IPM is a big
22 part of it.

1 Speaking to that, I would say that when one is
2 trying to get a community to adopt the IPM innovation,
3 they need to go through a diffusion process. Simply
4 injecting information is not going to work so well. But
5 I know you know that. You can do what you can do on
6 labels.

7 The main point here is that when it comes to
8 the legal responsibility that the manufacturers have an
9 IPM program and report adoption of IPM practices, that
10 self reporting, in my experience, particularly with
11 school IPM, is not effective. So, there needs to be
12 something else, a third party system or something like
13 that, if you want it to really work. So, you might
14 consider that, although I know it's difficult.

15 MR. HOUSENGER: Annie.

16 ANNIE: We'd also like to thank the Agency for
17 being proactive on this issue. One thing we'd really
18 like to commend the Agency for was your 2014 decision not
19 to approve the section 18 emergency application for the
20 propazine and the Texas cotton fields.

21 We have really been predicting resistance from
22 the beginning. I think it's clearly the nature of using

1 these chemicals that really creates that. So, I'm just
2 wondering when we're going to start seeing the Agency
3 assume this resistance at the start of the registration
4 process and factor it in to how much the allowance of the
5 chemicals that you're using. I think EPA and USDA have a
6 lot of information on this, and we'd really like to see
7 it be incorporated earlier when things are being
8 registered.

9 MR. HOUSENGER: Sharon.

10 SHARON: Well, I see this as a really critical
11 issue, not only for our agricultural system but also for
12 the ecosystem, because any resistant species that may
13 invade natural systems is of concern. The whole use of
14 many of these pesticides in multiple systems is likely
15 ultimately over time to result in some sort of
16 resistance.

17 With that said, I look at this as a natural
18 selection process. So, it's something that just goes
19 back to basic biology. So, anything that the EPA can do
20 to encourage non-chemical approaches in its resistance
21 management plan I think is really critical, because it's
22 just going to be a whole lot more effective. You're

1 going to have the pesticides available for a much longer
2 period of time if the selection pressure against the pest
3 due to these modes of action is just less overall.

4 With that said, I'm curious about the
5 resistance management plans, the remedial action plans,
6 the educational materials, and all of that. I'd really
7 like to see some examples of that. I'm not as well
8 educated on this as I'd like to be. So, I'm curious
9 about what kinds of measures are included in that. Does
10 it include mechanical, cultural, biological approaches?

11 I'm concerned on the moderate column about
12 number seven about the confirmed resistant weeds, listing
13 effective or recommended rates for those weeds with the
14 table. It seems to me, I think, as Gabriele said,
15 knowing that it may be just a matter of time, I'm not
16 clear why EPA would even want to continue to encourage
17 the use of a pesticide when we know that we've got
18 resistance, even if it's in a different geographic area.
19 It would seem that you would want to avoid use of that
20 pesticide against that pest all together. So, that one
21 concerns me.

22 I'm just very concerned about the continued

1 approval of GMO crops and pesticide combinations that we
2 know are resulting in resistance. So, it just seems like
3 we continue to approve things when we know we've got this
4 resistance thing going this way. It's just a
5 nonsustainable approach. So, I have a lot of concerns
6 about that.

7 MR. HOUSENGER: Robyn.

8 ROBYN: Thank you. I applaud the Agency for
9 everything that they've done. I echo Marc's encouraging
10 of IPM and Sharon's concerns about GMO and pesticide
11 resistance. I'm not familiar with USDA's study on slide
12 6. So, you say that corn growers and soybean growers
13 spent extra money per acre. Was that because they were
14 forced to use stronger pesticides or a combination of
15 pesticides for both? Could you explain that a little bit
16 more?

17 MR. CHISM: They're adding an additional
18 herbicide to target those specific resistant weeds.

19 ROBYN: Okay, thank you.

20 MR. HOUSENGER: And Wayne.

21 WAYNE: Perhaps the answer to my question is in
22 one of your web pages. I, too, was interested in knowing

1 more about the resistance management plans, remedial
2 action, and educational materials. It was a little bit
3 unclear. I know you mentioned things like connection to
4 commodity groups and that sort of thing. Can you expound
5 on that a little bit?

6 MR. CHISM: So, for example, in Georgia, for
7 Palmer amaranth control, the extension service in
8 Georgia, Stanley Culpepper, has a resistance management
9 plan for that. It's one page front and back. It has
10 recommendations for specific herbicides and specific
11 timings. So, in that case, it's a pretty short document.

12 Remedial plan, in our herbicide resistance
13 plan, we've adapted many of the elements that have been
14 successful in the Bt. They talk about a remedial action
15 plan. If you suspect you have resistance, not yet
16 confirmed, what are you going to do. There are two
17 reasons for developing those plans. I do not have an
18 example of that.

19 There's two reasons for developing those plans
20 and making them widely available. One so that everybody
21 knows what maybe they could do if there's a problem.
22 Two, if the retail system doesn't have those products or

1 that equipment on the shelf when you go to get it to use
2 it, to buy it, whatever, if it isn't there, it's too
3 late. They can't get it in time.

4 So, the remedial plan ideally would take care
5 of the problem. It would be effective, take care of
6 those weeds with whatever system is necessary, and we'd
7 never have any reporting because they'd be controlled.
8 So, it's just part of trying to think of the continuum.
9 In some cases, the remedial plan is a rotation to a
10 different crop, because the canopy will be competitive or
11 there's some piece of the biology of that additional
12 crop. So, the remedial plan may be the next season as
13 well.

14 MR. HOUSENGER: Richard.

15 RICHARD: Thank you. In your resistant plans,
16 how do you know what's the lifetime of the resistant
17 plans before you get resistance to develop again?

18 MR. CHISM: We anticipate these plans will have
19 to be changed quite often because of either a new
20 resistant species or a selection within an existing
21 species. That's why we'd like them to be developed at
22 the local level. So, I think they're going to have to be

1 adapted quite often.

2 RICHARD: Thank you.

3 MR. HOUSENGER: Louis.

4 LOUIS: Thanks. I just want to add my voice to
5 complimenting EPA for being proactive on this.

6 Resistance is an issue that I confront each day I go to
7 the field. It's probably more serious than many folks
8 know, but I guess growers do know that quite well.

9 I'm happy to see that you're starting with
10 weeds, because resistance to pesticides is really
11 important. However, I hope that it wouldn't be long
12 before you start looking at insect pests because that's
13 an (inaudible). You have a picture of the diamondback
14 moth. That's one that is really notorious. It's well
15 known for that. There are others. So, the sooner you
16 get on to that, the better for us.

17 I can't wait to see the revised chapter that
18 you talked about. Put it on line so we can take a look
19 at it. I just thought I'd add my voice to it, because
20 it's an area of great need. Thank you for thinking it
21 out.

22 MR. HOUSENGER: Ray.

1 RAY: I want to get a bumper sticker that says
2 evolution happens. Pests can develop resistance or the
3 potential is there to develop resistance to any control
4 strategy. I've heard of insect pests developing
5 resistance to crop rotation. So, it's not just a
6 pesticide phenomenon, the resistance development.

7 One of the most important things that the
8 Agency can do in terms of combating pesticide resistance
9 development is to maintain the existing tools we have and
10 approve new ones. I've seen recent concerns from the
11 Agency about tank mixtures. Tank mixtures are one of
12 the most beneficial means of approaching pest resistance
13 by including multiple tools at the same time. So, I'd
14 caution the Agency on moving very far in that direction
15 to prohibit tank mixtures.

16 MR. HOUSENGER: No comment on that one. We're
17 through our break. Do people need to get up for five
18 minutes or want to just push on? Five minutes? All
19 right, go.

20 (A brief recess was taken.)

21 MR. HOUSENGER: Okay, let's get started on
22 international activities. Rick Keigwin is leading that

1 discussion.

2 MR. KEIGWIN: So, I'm probably the least
3 equipped person to give this presentation, but with that
4 said, there was a request to just get an overview from
5 the office on the different international fora in which
6 we are engaged and how we are engaging. I will just say
7 this up front, I'm quite sure that there are a number of
8 omissions from here. If there are omissions, it's my
9 error. It's not to suggest that those activities aren't
10 important. So, I suspect that some of those might come
11 up, provided we have time for questions.

12 So, just real briefly, we've laid out for
13 ourselves four essential areas of achieving OPP's goals
14 of protecting public health and the environment when we
15 engage in international work. One is the acknowledgment
16 that increasingly it's an international marketplace, not
17 only for pesticides and trade but the commodities that
18 are treated with pesticides and trade.

19 There can be an impact on U.S. health in the
20 environment as a result of our international work. When
21 we register new active ingredients, new lower risk active
22 ingredients, and those commodities, those chemicals,

1 those products are not similarly registered in other
2 countries, it can create a trade barrier where U.S.
3 growers can't adopt the lower risk technologies because
4 they can't export to other countries.

5 Increasingly, there is a desire internationally
6 for safer products to become available. Through a number
7 of the trade agreements that are either in development
8 now or are existing, provisions are being discussed for
9 how we can promote the more global acceptance of safer
10 products.

11 As a result, and we talked about this a little
12 bit yesterday in the context of the pollinator
13 discussion, that where we participate in international
14 work, it gives us opportunities to increase collaboration
15 and then rely upon some of the work that our
16 international partners do.

17 So, yesterday we talked about how EPA was able
18 to expedite the review of a varroa mite control
19 product because it had been registered in Canada. As a
20 result of the harmonization efforts that we had
21 undertaken, we could just pick up their reviews and move
22 forward rapidly with a registration decision.

1 So, as a result, we set four goals for our
2 international work. One is, as I was alluding to a few
3 minutes ago, strengthening food safety, public health,
4 and environmental protection. We can do that when we
5 engage in international activities, both domestically and
6 globally.

7 We can enhance the quality of our regulatory
8 decisions through collaboration, improve scientist to
9 scientist exchanges, help us make sure that we're looking
10 at the data in the appropriate way that there's an
11 adversity of opinion when we're considering those data so
12 that we make the most informed decisions.

13 It also conserves resources where we can rely
14 upon work that other countries have done where they have
15 a high quality, scientifically-based/risk-based system
16 for making pesticide registration decisions. It allows
17 us to coordinate more effectively and allows us to be
18 more efficient with our own resources moving forward.

19 As I said previously, when we can jointly
20 register products or jointly review through our review
21 evaluation program existing products, we can work towards
22 minimizing trade barriers.

1 We are engaged in a multitude of fora across
2 the international space. Maximum residue limits, or what
3 we call tolerances, are one of our biggest areas of
4 engagement, particularly through Codex. Dan Kunkel
5 has always been part of our delegation to
6 Codex, particularly the Codex Committee on Pesticide
7 Residues. Increasingly, just within the past year, OPP
8 has been getting more involved in the workings of the
9 World Trade Organization's sanitary and phytosanitary
10 standards committee.

11 So, we are routinely reviewing the various
12 notifications that come from other countries,
13 particularly where there's a difference in the proposed
14 MRL in other countries, to better understand why they are
15 setting their MRL at a different place and where we can't
16 understand it, trying to seek from those countries the
17 risk-based science rationale for why they're proposing
18 the MRL where they are.

19 OECD is another area where we are engaged in a
20 multitude of fora. We'll discuss those in a few minutes.

21 Then, third is the work that we've been doing
22 for going on 20 years now with Canada through NAFTA,

1 increasingly with Mexico as well, and also as part of --
2 that's a typo. It's not the Regional Coordination
3 Council; it's the Regulatory Coordination Council.

4 So, on the MRL front, our biggest area most
5 recently has been in promoting harmonization
6 internationally on the use of crop groups and the
7 expanded use of crop groups. I believe at the most
8 recent Codex meeting in China there was some significant
9 additional movement in that direction, particularly with
10 the pseudo-serials (phonetic) group.

11 Regulatory harmonization continues to be
12 important. Many of you know this area better than I, but
13 ensuring that we have similar scientific approaches for
14 how we determine what the MRL is going to be, or should
15 be, are quite needed. Recently, with the globalMRL.com
16 database, we're effectively using that as a tool as part
17 of our regulatory decisions.

18 The global zoning projects and comparison of
19 residue levels across the world and trying to find where
20 there are opportunities to reduce data sets and see where
21 the diversity of, or even if there is a diversity of,
22 residue levels as a result of different climatic and

1 geographical conditions continues to be important work
2 for us.

3 In the interest of time, I think I'm going to
4 skip through some of these and go to OECD. So, as many
5 of you know, the OECD has a group called the Working
6 Group on Pesticides, which is an effort for governments
7 to cooperate across a large number of regulatory issues
8 involving pesticides. The focus is not only agricultural
9 products but increasingly there's been a lot of work both
10 on biopesticides and the biocides as well.

11 This provides sort of an overview of the
12 structure within the working group on pesticides. So,
13 not only are there steering committees, but there are
14 expert groups. The WGP has been looking at a whole host
15 of issues ranging not only from the science issues but
16 the information transfer opportunities and efficiencies
17 to also looking at compliance-related issues.

18 Historically, within OECD, we've been looking
19 at opportunities to facilitate streamlining joint
20 reviews, not just for conventional pesticides but also
21 for biopesticides. We've also developed a number of
22 tools for increased work share and information sharing.

1 An important part of these efforts has been the work on
2 the global harmonized submission transport system, which
3 EPA is a co-chair of that effort with PMRA. As we move
4 forward, continuing to facilitate minor use registration.

5 One of the important things going on within the
6 working group on pesticides is sort of a retrospective of
7 what has been occurring within the working group on
8 pesticides, what areas all countries want to focus on
9 moving forward, particularly as countries across the
10 globe have seen reductions in resource availability.

11 We are going to continue to engage in this
12 effort, but we want to find those areas where we can be
13 most effectively engaged as part of this effort. I think
14 over the course of the next year, there will be a number
15 of opportunities for stakeholder engagement in helping to
16 shape how the working group on pesticides functions
17 moving forward.

18 Global joint reviews, as I mentioned, continues
19 to be an important part of our work. There have been 27
20 joint reviews for new active ingredients completed since
21 2007. Right now, I believe there are about seven that are
22 currently in review. They are primarily in U.S. and

1 Canada with some involvement from Australia. We are
2 looking to see if we can bring some of our European
3 colleagues back to the global joint review program. We
4 do know that there are approximately 17 new submissions
5 that we can anticipate over the next 3 to 4 years.

6 On the non-agricultural side, we have a
7 significant investment in the OECD task force on
8 biopesticides. Jennifer McLain, who is sitting behind
9 me, actually chairs that group. They've been working on
10 a number of initiatives to not only harmonize the
11 regulatory approaches within the OECD, but look for
12 opportunities for efficiency in the registration of
13 biocides, both for the government and for industry. A
14 lot of this work closely parallels the work that we've
15 been doing on agricultural pesticides. But, as I said,
16 it continues to be a very important area for us.

17 Some of the important priorities for the U.S.
18 through this task force has not only been to promote
19 increased work sharing but to look for opportunities for
20 having harmonized guidance, for example, in how we waive
21 or bridge in the acute toxicity realm, and also looking
22 in the microbiology space for harmonized methods for

1 evaluating the effectiveness of different biocides.

2 On the biopesticides side, there is a group
3 that focuses on those specific types of products. They,
4 too, are working on guidance for the submission and
5 evaluation of the data that come in. So again, very much
6 parallels with the work that has been done in the other
7 OECD fora.

8 They, too, have similar priorities from a U.S.
9 perspective, developing harmonized guidance documents for
10 how we're going to review data, updating guidance
11 documents for risk assessments, and then looking for
12 opportunities for joint collaboration on new reviews.

13 Then, I should mention as well the work that is
14 being done through the OECD test guideline program.

15 Wanda Hall in the Field and External Affairs Division
16 devotes a significant amount of her time promoting this
17 work and coordinating test guideline harmonization, not
18 just for EPA but across the federal government, working
19 with sister agencies, including FDA and USDA, so that
20 there are harmonized approaches. When we can harmonize
21 our approaches on these types of test guidelines, it
22 promotes some of the joint review and work sharing that

1 we talked about earlier.

2 I believe this is the final area. So, NAFTA,
3 as I said, we have been working with Canada for well over
4 20 years, actually pre-dating NAFTA in the Canada-U.S.
5 trade agreement. So, we've recently released the 2016 to
6 2021 strategic plan that continues to focus on
7 encouraging joint reviews. It is a trade agreement, so
8 it's also intended to facilitate trade. As we do that,
9 in our efforts to make joint reviews increasingly more
10 efficient, we are continuing to look for opportunities to
11 cooperate on both the science and regulatory issues.

12 Again, in the interest of time, we've talked
13 about this, so I'm going to skip the next slide.

14 We also are working with Canada through the
15 Regulatory Cooperation Council. We have a number of
16 initiatives currently underway, particularly in the areas
17 of joint reviews and harmonized approaches in electronic
18 submission. We actually just met with stakeholders a
19 couple of weeks ago to get their input on new initiatives
20 for new areas that we should explore, as we wrap up the
21 current projects that we have underway. Some of the
22 areas that were raised to us were to think about

1 expanding some of our efforts to the RCC beyond the U.S.
2 and Canada but looking into Latin America and South
3 America. There was also a request that both the U.S. and
4 Canada received at the recent RCC meeting to re-engage
5 with our European colleagues.

6 I'm going to just end on this slide, again in
7 the interest of time. Increasingly, we are being asked
8 to participate in additional international fora. So, for
9 example, the Asia-Pacific Economic Cooperation effort is
10 an effort to promote harmonization of MRLs for imported
11 foods in the Pacific Rim countries. So, we have been
12 working as part of this effort to develop a guidance
13 document for establishing import MRLs for imported foods
14 where there is no domestic equivalent MRL in place.

15 We also are routinely working with our
16 colleagues at FDA and USDA on a host of projects,
17 including the review of grants that support data
18 generation and research towards resolving MRL issues.
19 It's always a challenge to participate in person in a lot
20 of these fora, as I think in previous sessions Marty has
21 talked about our resource base declining significantly.
22 But we're trying to have a presence at these meetings or

1 making sure that we provide the appropriate knowledge
2 base to people that can represent EPA in these fora.

3 Again, I know that was a quick overview, but in
4 the interest of time, I wanted to just sort of plow
5 through it and then see if there are any quick questions
6 so we can get on to the workgroup discussion.

7 MR. HOUSENGER: Dan.

8 DAN: Thanks, Jack. I'm probably partially the
9 guilty one to put this one on the agenda. Thank you,
10 Rick, for going through in that much detail on all of the
11 different activities. There are so many activities that
12 the Agency participates in.

13 One of the other items I think I was looking
14 for was who participates in each of these activities, so,
15 if there's an org chart or something. With all the
16 changes that are taking place both with the activities
17 and the personnel, it would be really nice to know that,
18 Mike, okay, he's doing the OECD work, David Miller went
19 to the Codex meeting, and so on and so forth.

20 MR. KEIGWIN: Well, I think we can make that
21 available. I mean, one of the things that we have done
22 is I think now every single division is involved in some

1 way in international work. So, I think it could be
2 helpful for you all to know who those appropriate points
3 of contact are as different meetings are getting planned.
4 We can do that moving forward.

5 MR. HOUSENGER: Virginia.

6 VIRGINIA: Thanks for that overview. So, I
7 recognize that these are largely trade agreements and
8 these meetings are happening in the context of trade.
9 But I think it also presents an opportunity to share
10 information leverage resources related to worker health
11 and safety.

12 As you know, the agricultural labor force in
13 this country is largely transnational, coming from many
14 diverse regions of the world, including the Caribbean,
15 Latin America, Asia, to name a few. So, I think it's
16 important to work within this context to share
17 information on training, education, even labeling
18 language. I'd also like to hear about any sort of
19 ongoing efforts related to worker protection.

20 MR. KEIGWIN: So, we do routinely receive
21 requests to provide training to a number of countries on
22 how we do risk assessment and how we do labeling. So,

1 when we participate in those events, it's not just
2 focused on the MRL side of things; there are modules on
3 labeling, worker protection, and all other aspects, even
4 the ecological risk assessment side. So, in many of
5 these fora to date, however, like I said, it has been MRL
6 focused.

7 But even as part of some of the recent
8 discussions we've been having on some of the trade
9 agreements, the issues of how you do risk assessment on
10 the worker side has been part of those discussions.

11 MR. HOUSENGER: Cynthia.

12 CYNTHIA: Thank you. That was very interesting
13 and helpful. On page 7, there's a notation about special
14 sessions to exchange information and identify areas for
15 future harmonization. They list treated articles and
16 dietary risk assessment, both of which are very
17 important.

18 I'm just wondering about the transparency, if
19 there's a public record from such meeting, if there are
20 opportunities for public input, and a way to follow such
21 discussions in the future since these are identifying
22 areas for future harmonization.

1 MR. KEIGWIN: There are public reports after
2 the meetings, I believe. For example, OECD has a web
3 site where they will post those. At least at the OECD
4 meetings that I've attended, the NAFTA meetings that we
5 have, there is a public component to those meetings as
6 well. So, public attendance is encouraged. There aren't
7 oftentimes a lot of stakeholders that participate, but
8 there is that opportunity.

9 MR. HOUSENGER: Cheryl.

10 CHERYL: So, thank you, thank you, thank you.
11 Resources, resources, resources. I'm delighted to see
12 that there is a set of OPP goals around international
13 participation. I love to hear a stronger strategic
14 coordination. I would hope that you would have your list
15 of people engaged all talking and aligned because I think
16 this is really important.

17 I think when we sit here in the U.S. and if
18 you're only U.S. focused, you don't realize what an
19 advantage we have of having a risk-based registration
20 system relative to the rest of the world that does
21 screenings and rudimentary things. The U.S. government
22 has invested in so much data between the PDP and the CDC

1 and NHANES and the deep, deep tools that we have to look at refined
2 exposure assessments and realistic exposure assessments
3 that don't exist elsewhere.

4 This is really one of the barriers to being
5 able then for growers to export, because you can't get
6 those registrations. You can't get those MRLs. It's
7 kind of difficult to understand, but there's also this
8 lack of understanding of reduced risk. So, you have
9 something that comes through the U.S. process, reduced
10 risk, and it takes eight years to get through Europe.
11 They're missing the boat. So, the more we can do to
12 educate and at least stand up for the principles that
13 we've adopted is very important.

14 I'd also like to really thank you for sending
15 David to the CPPR. I thought he did a great job of
16 managing some international expectations around the ISDI.
17 But I would also encourage you to provide resources to
18 continue to watch that. Thank you.

19 MR. HOUSENGER: I think probably every other
20 day I get a request for someone to travel abroad to give
21 a speech or give a training or whatever. It is a balance
22 of how we spend our resources, not only travel. A lot of

1 these people are even willing to pay the travel. But
2 just the FTE out of the office, you know. If you go
3 across to Europe, it's probably a week or so. So, like
4 Rick said, this is a piece of it, but we do so much more.
5 We look to toxics and OSCP to help us out and try to
6 shave it a little bit like that.

7 Louis.

8 LOUIS: Thanks, Jack. This is a very
9 impressive outlay of the activities that EPA is involved
10 in on the international front, an area which is very dear
11 to me. I've been involved in international agriculture
12 in some form for the past 30 years. So, I understand the
13 importance of EPA's involvement in this.

14 I just want to go back to page 3, the bottom
15 slide, where you talk about adoption of MRLs. Would you
16 give us a little insight on how that is done, especially
17 a visitor from another country? Is it on a reciprocal
18 basis? They accept yours so you accept theirs?
19 Hopefully not. But how do you handle that? Say, if you
20 had one from some country in Europe, let's take Britain,
21 for example, and it's against one from China, what's the
22 basis of how do you treat those? Do they go through a

1 similar process of validation or what?

2 Another point I'd like to make is that having
3 worked particularly in Africa and Asia, as well as in
4 some South American countries, labels that come from the
5 U.S. need to be understood by those who use them. Many
6 countries, English is not their language. Or even if it
7 were French or Spanish, the people who actually use them
8 don't understand either of the above.

9 I know I did some work with Virginia Tech in
10 the cotton producing countries in West Africa where they
11 actually started the process of translating labels into
12 local languages. That's very important. I don't know
13 whether you have that in your books. It's something that
14 you might want to encourage either financially or
15 otherwise.

16 The other thing is the worker protection, which
17 I have to tell you, based on what I have seen, it's
18 almost nonexistent in some of those countries. At the
19 end of the day, it's a U.S. product. Now, I don't know
20 whether we should ask the chemical companies to be sure
21 that they give that training, which I think we should, or
22 have EPA weigh in on that. It's extra resources I know,

1 but it's important, too.

2 MR. HOUSENGER: Gabriele.

3 GABRIELE: Again, thank you for trying to give
4 an overview of the wide range of activities. I was just
5 reflecting on two or three of the subjects we talked
6 about yesterday involved international, trying to come up
7 with the testing guidelines for bees and then Zika is all
8 about trying to figure this out on an international
9 level.

10 The crop, for those of you who don't know,
11 almonds are the top specialty crop in export value from
12 the United States. I always like to say we help reduce
13 the trade deficit. Ag is actually one of the few sectors
14 that helps reduce the trade deficit in the United States.
15 So, being engaged in some of these issues, it's helpful
16 for me to see all of this.

17 A couple thoughts. I echo Dan's comment. It
18 would be helpful to know who is doing what, because when
19 we have different issues, to know whom to contact. I
20 think the two other things I would note is it's not just
21 having a body there; it's having someone with not only
22 the right skill sets, some technical knowledge, but also

1 the right gravitas -- I don't know how else to describe
2 it.

3 These are international meetings. There is
4 sort of a diplomacy component to it. You have to have
5 some willingness to think strategically, make alliances,
6 and so forth. So, I just want to be clear that just
7 having a body is not enough in my opinion.

8 Now, the other side, and I realize this is a
9 real issue on the resources side, but there's two other
10 things going on where these face-to-face elements are
11 critical. So, there's an MRL conference held in San
12 Francisco now. I think I came up with a 10th year or so
13 of it.

14 The whole point of that is to have a place
15 where growers, regulators from different groups,
16 international people, and registrants can get together
17 and just primarily focus on MRL issues. Not being there
18 in person foils part of the purpose of that meeting. So,
19 just FYI, that's the kind of thing.

20 The other thing that makes this so complicated,
21 and this comes back to, Louis, your question, we would
22 love it if MRLs were simple. It's just been getting more

1 complicated. There's two opportunities that I see there.
2 I think this was touched on once. Several commentators
3 have made it.

4 You have a number of countries -- I don't know
5 what the technical term is now for what used to be second
6 world or beyond developing. They're looking to implement
7 their own risk assessment process, looking to develop
8 their own regulatory process, especially around food
9 safety, but it also relates to environmental and worker
10 safety.

11 They are hungry. They are hungry to learn from
12 those who have been struggling with these questions for
13 many years. So, I know that at times EPA has sent
14 technical staff, and there's also the ability at the
15 technical level to have conversations that sort of at a
16 political level there may be reasons for not doing it.

17 So again, I realize this is really hard, but
18 there are multiple reasons for trying to be engaged. I'd
19 really appreciate seeing the level of it, because again,
20 I thought I had some clue, but I already knew I didn't
21 have all the clue.

22 Coming back, I think Cheryl had a really good

1 point. I was really thinking about how can we be
2 strategic in this, what are the reasons for doing it,
3 and trying to figure out how can we help evaluate where
4 to put those resources, because, as you say, there are so
5 many requests in this regard.

6 MR. HOUSENGER: Nina.

7 NINA: Thanks, Rick, for that overview. I see
8 Bob McNally hopped in there in the back, so you probably
9 know what I'm going to say here. The biopesticide
10 industry has been more and more active in responding to
11 requests from OECD and member countries on exemption from
12 tolerances and products and how EPA does their risk
13 assessment. I also note here that on page 8, the last
14 bullet on the OECD, the sensitization potential of
15 microbials, we've also been asked to give a presentation
16 in Paris in June regarding that particular topic. So, we
17 are reaching out and having more and more discussions
18 with our international partners. But I think we've had
19 very little discussion between EPA and the U.S.
20 biopesticide industry. So, I'd like to encourage that we
21 keep up that discussion.

22 When you're talking about potential for

1 harmonization for MRLs, we might want to start
2 thinking about how we talk about the exemption from
3 tolerance products as well. The natural organic
4 program of USDA is a very active trade agreement and
5 reciprocity with different countries are going on and
6 on.

7 As everybody knows, that is not a safety-based
8 program at all; whereas, the U.S. has a very robust
9 safety program when we look at biopesticides as well as
10 conventional products. So, we'd like to have some
11 attention raised there that there is a safety program for
12 biopesticides, not just organic products.

13 MR. HOUSENGER: Annie.

14 ANNIE: Thank you. Just two quick things. You
15 mentioned all the work that you're doing with Canada.
16 So, I'm wondering, given PMRA's decision to do away with
17 conditional registration, is that something EPA might
18 consider?

19 MR. KEIGWIN: So, the statute lays out the
20 conditions through which conditional registrations are
21 authorized to occur. In fact, every me too registration
22 that we issue, by law, it's a conditional registration.

1 So, I'm not sure that your comment is really about
2 eliminating all conditional registrations, because if we
3 were to do what you're saying, there would be no generic
4 products that could come on the market, because those, by
5 statute, are conditional registrations.

6 ANNIE: Okay, that's good to know and consider.
7 We were just excited to see what they did there and were
8 wondering if EPA might do something similar.

9 Then, I just also wanted to make sure that the
10 record shows that there is a large body of peer reviewed
11 scientific data supported by the international community
12 that does directly link the use of pesticides to thinks
13 like increased weed resistance, pollinator
14 declines, and serious health conditions, including
15 cancer. So, I wanted to make sure that was on the
16 record. Thank you.

17 MR. HOUSENGER: Ray.

18 RAY: Rick, you expressed some hope for re-
19 engaging Europe in joint reviews. I'd be interested if
20 you had any special insight into that, because we would
21 certainly like to see a greater engagement of Europe.
22 They've been absent from that scene for a long time.

1 We appreciate very much the efforts of EPA in
2 the joint reviews, the global joint reviews, the North
3 American reviews. We think this is essential for
4 promoting international trade and making the improved
5 pest control products available worldwide. It's
6 important we all avoid discouragement and work to
7 overcome the obstacles that appear in the contest of
8 individual compounds there.

9 With respect to Codex resources, I attended my
10 first CCPR meeting a few weeks ago. One of the major
11 points of controversy was prioritizing a workload which
12 exceeds the capacity of the effort of the organization.
13 I would like to encourage EPA and the U.S. government,
14 more broadly, to find more creative ways to put
15 additional resources and FTEs into that effort.

16 The JMPR which is responsible for the technical
17 reviews of those compounds and applications has, if I
18 remember right, just two EPA personnel involved in an
19 effort that probably has a couple of dozen experts
20 involved. Yet, it's my understanding that the U.S. is
21 the origin of a much larger proportion of the
22 applications going into the Codex process.

1 Beyond EPA, the USDA, the USTR, and perhaps
2 other federal agencies, have a vital interest in the
3 activities and success of Codex. I'd like to find a way
4 to look for resources there, both in terms of expertise
5 and FTEs, which might contribute to the JMPR effort.

6 I wanted to echo one thing that Cheryl brought
7 up. We hope that EPA can maintain a strong and outspoken
8 voice of leadership in OECD and other forums. Many other
9 countries look to the U.S. for leadership on pesticide
10 regulations. We would hope that EPA can vigorously
11 defend and promote the risk-based and science-based
12 approaches to pesticide regulation.

13 One final smaller point, and that deals with
14 certificates of origin. The recent decision by the
15 Agency to discontinue providing these certificates of
16 origin kind of throws longstanding business practices
17 into disarray. Many foreign governments still expect EPA
18 involvement here. I know it's not something we can
19 resolve at the moment, but we're looking at different
20 approaches to come back to the Agency for some resolution
21 here.

22 MR. HOUSENGER: And Pat.

1 PAT: Last but not least. So, I just want to
2 echo a little bit of Ray speaking of EPA as a leader.
3 This is, of course, in the area of toxicity testing and
4 reducing the use of animals. So, global harmonization,
5 or lack thereof, is still a huge barrier in adoption of
6 some of these new tox 21 methods or just methods that
7 don't use animals.

8 I think a good example of this is in 2007, EPA
9 eliminated the requirement for the one-year chronic dog
10 test. They had done a retrospective analysis and showed
11 that the data weren't really valuable in risk
12 assessments. Well, it took until 2013, I think, for EU
13 to get rid of it. Canada just eliminated it this year.
14 Brazil is doing the same this year.

15 However, Japan, Korea, some of these south
16 eastern Asia countries are still requiring this. So, it
17 makes it very difficult for companies that sell
18 internationally to try to do the right thing as far as if
19 they want to reduce testing of animals when other
20 countries still require it.

21 I think EPA is in a position -- you know, you
22 guys are taking a lead on many of these areas, coming out

1 with new guidance, particularly for the acute six pack,
2 some of the work that's being done on that. I'd just
3 like to say we commend your efforts, certainly to this
4 point, and encourage you to keep going and continue with
5 your leadership role in this area. Thanks.

6 MR. HOUSENGER: Okay, thank you. Our last
7 session is mine. We want to talk a little bit about
8 workgroups. In March, I sent out a letter, a note, to
9 all the members of the PPDC as well as the workgroup
10 members. At that time, the last time we met we had six
11 workgroups functioning. Then we heard from the FACA
12 police about what a workgroup actually was, and it wasn't
13 supposed to be forever.

14 We took that to heart. We kind of looked at
15 what these workgroups had done. I think there's a
16 package that you got that outlines kind of the
17 accomplishments of five of those workgroups that we have
18 since sunset. The only workgroup currently in existence
19 is the incident workgroup, and we had just established
20 that the last time.

21 So, this session is designed to get people's
22 thoughts about what new, if any, workgroups we would

1 create. I think our leadership here thinks that a
2 workgroup on metrics to measure the success of pollinator
3 protection plans is needed. We need help and advice on
4 that. So, I think that's one that we'll see created.

5 I think our goal is to define an objective of
6 whatever the workgroup is, give a time frame, and have it
7 completed by then, not to have it go on for years and
8 years.

9 So, Dea has received a couple requests through
10 e-mail for creation of workgroups. Rather than me trying
11 to describe what they are, Marc, you had one on the ever
12 popular bringing back DDT for Zika. So, maybe you want
13 to talk about that one.

14 MARC: I talked with Bob Rosenberg about it,
15 and he's agreed to chair the workgroup. Actually, that
16 was an e-mail I sent to you about something I wanted on
17 the agenda to discuss, which I think we did okay with
18 that yesterday. As long as there's now a task force for
19 that, I think we're doing good.

20 I would like to say, as far as workgroups go,
21 while I think -- and I believe I wrote you and said it
22 was in agreement that the workgroup had accomplished its

1 charge with regard to school integrated pest management.
2 You know how I feel about that. Good stuff. Of course,
3 I think it's always ongoing, but that's not the point. I
4 think that happened.

5 But I will say, and we've heard today, about
6 this. Of the original charges on integrated pest
7 management, the third one was provide advice on other
8 issues relating to the promotion and use of IPM that the
9 Agency brings to the workgroup. I see this as extremely
10 important, and I also see this as kind of getting in the
11 face of the workgroup police. I understand that, but --
12 aptly put, by the way. Whether it's resistance or Zika
13 or other public health things, because we know there's
14 going to be emerging public health problems coming along.
15 But I was particularly impressed with what the resistance
16 group is doing.

17 IPM is going to come along. As I look at
18 regulatory agencies, and I know this is simplistic, but
19 it's the way I teach it, is that they do permitting, or
20 registration in this case, monitoring for compliance and
21 enforcement, and then, lastly, and most cost effectively,
22 technical assistance. That's where I think we come in as

1 far as IPM goes and can really assist the Agency.

2 So, I do think that we did a good job with the
3 other charges. We did not complete the charge or, in
4 some certain ways, address the charge of assisting the
5 Agency on IPM matters. I would like to make the case
6 that there's still a need for that. What the duration of
7 that is I would leave up to you.

8 MR. HOUSENGER: Aimee, you had written about
9 two items. One was synergy and one was cumulative risk
10 assessment. I don't know --

11 AIMEE: I think that they could work together.
12 I feel like there's a lot of uncertainty in risk
13 assessment. There's a lot of qualitative information
14 that isn't currently factored in. It would be really
15 great. We talked about this yesterday with ecological
16 risk assessment.

17 Is there a way for us as PPDC to provide input
18 to EPA about how they respond to that uncertainty, to the
19 fact that we're seeing interlinkings between disease and
20 fungicides? How does that work into risk assessment? Is
21 there input that we can provide on these areas? Synergy
22 has different chemicals.

1 MR. HOUSENGER: Pat, I think you had written
2 about alternative --

3 PAT: So, I was on the tox 21 workgroup that
4 sunsetted. I talked to my colleagues. There was just
5 thoughts that more work needs to be done in this area,
6 obviously. Moving to tox 21 methods is a big area that's
7 developing. EPA is certainly taking the lead. There's
8 endocrine disruption and things like that.

9 But there's still a lot of sort of science and
10 policy issues that we think may need to be addressed in
11 the future with regards to regulation. Should these
12 methods be required? Should they remain as voluntary?
13 Do you want to use the non-animal methods or should you
14 be required to?

15 It just seems to me there needs to be a
16 continued dialogue to talk about some of these
17 issues, obstacles to barriers that might exist, adopting
18 them, both from industry's viewpoint and EPA dealing with
19 them, how do they encourage more use of them. So, I
20 guess that was just an area we'd like to see continue
21 somehow under that sort of tox 21 heading or area of
22 interest.

1 MR. HOUSENGER: So, I guess the question is,
2 is there any support for any of those that we've
3 discussed? Is there any ideas of other subgroups?
4 Again, I think what we're looking for is specifics. What
5 would that subgroup provide advice on and looking at a
6 year or so time frame for doing so.

7 Robyn.

8 ROBYN: I'd like to second Marc's putting
9 forward of the IPM working group or if it has to become a
10 subcommittee, to make it longer lasting. I agree that we
11 were not done our work at all. I think we still have a
12 lot more to offer as it goes on.

13 I mean, I don't know how many times just over
14 this past day and a half I heard IPM in a lot of the
15 different discussions, Zika's conversation, the
16 resistance conversation. It's just everywhere. I think
17 it's an important thing to remember as we go forward that
18 it needs to be incorporated.

19 MR. HOUSENGER: Bob.

20 BOB: So, actually, this is a little bit like
21 what Aimee said. One of the things I think the Agency
22 struggles with, always has, and it was evident again

1 yesterday, is as it becomes more and more sophisticated
2 -- we heard that there's supercomputers upstairs that can
3 calculate the impact of every known chemical on every
4 known species and quantify it and rank order them. But
5 it's always been a challenge how to characterize
6 qualitative information and how that factors into risk
7 assessments. There's like really hard numbers and then
8 this other soft stuff out here.

9 Where I've always felt like it was a struggle
10 was in how it takes into account benefits when it makes
11 regulatory decisions. I wonder if it wouldn't be useful
12 to have some sort of a framework for how the Agency
13 articulates the way it accounts for qualitative and other
14 non-quantitative stuff in the decisions that it makes.
15 If a workgroup were able to work on that, whether that
16 would be useful.

17 MR. HOUSENGER: Cynthia.

18 CYNTHIA: Thank you. Following up on a couple
19 of the suggestions already on the table, starting with
20 Marc's, given the importance of IPM and reducing chemical
21 threats to consumers, farmworkers, and non-target
22 wildlife, including birds, and in advancing resistance

1 management, and given the vast acreage of U.S. crop lands
2 grown from pesticide coated seeds, we would like to
3 suggest a workgroup that looks at the compatibility of
4 IPM and seed treatments.

5 Secondly, on your suggestion on metrics and
6 pollinator protection plans, I think that makes a lot of
7 sense. I would just like to urge that it looks at all
8 pollinators, including birds, bats, butterflies, beetles,
9 and other pollinators.

10 As Aimee suggested, the importance of synergy
11 and cumulative risk assessment cannot be overemphasized,
12 and we would like to support that in any way possible,
13 whether it's a workgroup or some other mechanism.

14 Thanks.

15 MR. HOUSENGER: Marc.

16 MARC: So, of course I want to say that
17 pollinator protection is something that always is in need
18 of whatever, whether it's newer products, regulations, or
19 IPM. So, that's part of some of our reasoning.

20 Really, what I want to do is divert from the
21 idea of feathering our own IPM nest and ask the Agency,
22 which I'm not quite sure if I'm allowed to, but really,

1 you know, I think IPM is something that's needed and
2 probably we can provide assistance, which is a charge
3 there. But what needs to come out is that --

4 Well, let's put it this way. I am mindful that
5 when our workgroups or when this committee comes up with
6 a need for a workgroup, that that is probably something
7 additional on the plate of someone at EPA, or a branch at
8 EPA. I am also mindful that's not their favorite thing
9 to have happen.

10 So, I will say that while I strongly believe
11 there is a need for IPM assistance, whether it's
12 diffusion of IPM or being specific to certain problems
13 that the office is working with, I wouldn't want to do it
14 unless the folks in the Agency really wanted that
15 assistance.

16 My experience in the last four years on the
17 workgroups and different kinds of things is at times,
18 because of the feeling and extra stuff on the plate, it
19 was not good use of our time either. I want to be
20 helpful to the Agency as opposed to something added to
21 someone's plate. So, I just want to put that across.
22 Thank you.

1 MR. HOUSENGER: I think it would be useful.
2 IPM is such a broad topic. I think it would be useful to
3 kind of refine what advice you think the Agency could use
4 along something. I don't know if it's with Zika or
5 whatever, if it's seed treatment, but just to say IPM and
6 we want a workgroup on that, I think it gets us back into
7 the same problem that we had before where we had this
8 huge number of topics and say that looks good, that looks
9 good. I think for the Agency to say this is going to be
10 worth it to us, we'd like to see specifics surrounding
11 that.

12 MARC: Well, I agree with that. If the folks
13 that are working on resistance wanted some advice or help
14 regarding how to ascertain that IPM is really happening,
15 for instance, that would be something. There's been a
16 suggestion. Dr. Gouge, who couldn't be here today,
17 wanted to make sure perhaps resurrecting the public
18 health group, and then IPM can be in there.

19 The fact is, even on any workgroup that you
20 suggest, maybe just to try to make sure that there's an
21 IPM person on there. That might be a way. I don't have
22 the answers; I just have the willingness to help and so

1 do my colleagues.

2 MR. HOUSENGER: Steven.

3 STEVEN: I do think that a workgroup on the
4 effectiveness of the MP3 programs is something that you
5 need. EPA started that ball rolling, so now you need to
6 see how effective it's going to be.

7 MR. HOUSENGER: Tom.

8 TOM: -- away down the road already. But the
9 results of those are going to cause a lot less people to
10 be certified because it affects the general use products.
11 States are not going to have two different programs. So,
12 there's going to be a lot of farmers, a lot of other
13 applicators that will look at what the requirements are
14 going to be and let their licenses lapse and their
15 certification lapse. They're not going to be going to
16 training anymore.

17 It affects the universities, it affects the
18 state-lead agencies, it affects the manufacturers with
19 the use of their products. I think it's going to have a
20 devastating effect on pesticide use in the country with
21 less people going for education and holding licenses and
22 certifications.

1 MR. HOUSENGER: Ray.

2 RAY: I wanted to follow up on something that
3 Bob Rosenberg mentioned with respect to benefits. FIFRA
4 is a risk benefit balancing statute. You have ever more
5 sophisticated and more complex means of assessing risks
6 and managing risks. But the benefits picture is not
7 quite as sophisticated. I think this is a good group to
8 advise the Agency on assessing benefits in the pesticide
9 regulation picture.

10 MR. HOUSENGER: Gabriele.

11 GABRIELE: I'm just going to ask a question.
12 On the MP3s, I completely agree that the hardest part is
13 this figuring out how much of a difference it makes. I
14 guess my question is, I get the sense others are already
15 working on this question.

16 So, I'm just trying to understand what the
17 merits of having a workgroup from the PPDC work on it
18 versus the efforts that are already ongoing. Again, I'm
19 not saying it's not an important question. I think it's
20 a really important question. I'm just trying to figure
21 out from a workload perspective why PPDC versus the other
22 groups.

1 MR. HOUSENGER: Well, I think the diversity of
2 this body is useful to hear inputs from everybody rather
3 than just specific groups, but I don't know.

4 GABRIELE: It just means more meetings for some
5 of us.

6 MR. HOUSENGER: Yes, they could become part of
7 the FACA group here.

8 Is there anyone on the phone from the PPDC that
9 has any suggestions, thoughts, views?

10 (No response.)

11 MR. GRAGG: I want to know if our
12 committee could consider how the EPA in its EJ plan 2020
13 and its guidance that it developed for its employees on
14 EJ, how they're doing with pesticides, especially
15 pesticides in these vulnerable populations as it relates
16 to health disparities.

17 So, how is EPA, through the two entities or
18 activities that I mentioned, in their other roles and
19 responsibilities, how are they addressing that? How can
20 we help them do it better if they are?

21 MR. HOUSENGER: Nina.

22 NINA: Going to your goals of international

1 acceptance of safer products, I was wondering whether it
2 might be a short-term workgroup to talk about specific
3 steps that the industry might use in helping achieve that
4 goal?

5 MR. HOUSENGER: Sharon.

6 SHARON: This is just an agenda question,
7 because I see we're running out of time. I think last
8 time we had a short session at the very end about agenda
9 topics for the next PPDC meeting. Are you planning to do
10 that again today, or will that be via e-mail?

11 MR. HOUSENGER: It might be better to do
12 it through e-mail. I think we got a lot of good
13 suggestions last time through e-mail, so Dea can send out
14 a reminder to people to put suggestions on, and we can
15 choose from that. We don't need a workgroup for that, I
16 don't think.

17 Anybody else?

18 (No response.)

19 MR. HOUSENGER: All right, we have public
20 comments now. Julie Spagnoli.

21 JULIE: This is a suggestion under the
22 workgroups. We did have a public health workgroup that I

1 was a member of. I'm thinking with Zika and some of the
2 others, the public health workgroup when it started
3 really was a lot of focus on bedbugs because that was the
4 issue of the time. But we did have some unfinished
5 projects, I think, from that workgroup on some outreach
6 and some communication. Also, now with the Zika issue,
7 it might be a good idea to continue that workgroup with
8 maybe a focus more on that aspect.

9 MR. HOUSENGER: All right, any public comments
10 on the phone?

11 (No response.)

12 MR. HOUSENGER: I guess there's no comments.
13 Just a reminder that the next PPDC will be Wednesday and
14 Thursday, November 2nd and 3rd so hold
15 that spot.

16 I want to thank everybody for participating in
17 this one. The last time I said goodbye to Bill, and Don
18 sneaked out in the interim so I didn't get to say goodbye
19 to him publicly. Marty and Susan will not be here the
20 next time. Susan didn't make it in today. She's in the
21 grand jury or something, some excuse.

22 So, I just wanted to acknowledge all the help that Marty has been to
23 me since I've been in this position. I've been trying to convince her not

1 to go but it seems like the beach is winning out over me. I know that she
2 has been a great resource for this program, especially in bringing PRIA home
3 and she continues to work on that.

4 And we gave her Zika to try to entice her to stay. It may have driven
5 her away, I'm not sure. But I'll miss her and wish her luck. Thank you.
6 (applause).

7 So safe travels to everybody and see you next time.

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9 (The meeting was adjourned.)

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1 CERTIFICATE OF TRANSCRIPTIONIST

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I, Marilyn H. McNulty, do hereby certify that

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Transcriptionist

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