

Message

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: 4/27/2015 10:02:14 PM
To: JENKINS, DANIEL J [AG/1920] [REDACTED]
Subject: Re: WHO report on Glyphosate and Cancer

I keep saying it but I don't expect a response until the panel firms up.

Eric

Sent from my iPhone

On Apr 27, 2015, at 5:00 PM, JENKINS, DANIEL J [AG/1920] <[REDACTED]> wrote:
Will call Jess Rowland tomorrow. Any insight on whether i will go for Monsanto?

Dan Jenkins
US Agency Lead
Monsanto Company
[REDACTED]
[REDACTED]

On Apr 27, 2015, at 5:30 PM, SACHS, ERIC S [AG/1000] <[REDACTED]> wrote:
All – thanks for your perspectives and suggestions...

** This panel ultimately is not about arguing the science and evidence but about the consequences of signaling cancer risk based upon precaution and potential hazard rather than a robust risk-based assessment as is conducted by regulatory authorities.

The ICABR program committee wants a panel to address the following points:

- <!--[if !supportLists]--><!--[endif]--> Explain the IARC process and classification (Blair or Hoppin)
- <!--[if !supportLists]--><!--[endif]--> Discuss regulator's [more robust] risk assessment process (Solecki or Roland)
- <!--[if !supportLists]--><!--[endif]--> Discuss ramifications/consequences of the IARC classification for regulators, companies, farmers and society (Monsanto, e.g., Dan Jenkins)
- <!--[if !supportLists]--><!--[endif]--> Examine the consequences in the context of the political economy – Identify the issues and opportunity costs that arise for society when science and politics are blurred in situations like this one (economist from the ICABR leadership)

Here is what I recommend:

1. <!--[if !supportLists]--><!--[endif]--> Recommend the committee invite Hoppin to talk about IARC classification
2. <!--[if !supportLists]--><!--[endif]--> Recommend the committee invite Roland to talk about the conclusions of a more robust risk assessment
3. <!--[if !supportLists]--><!--[endif]--> Identify Monsanto participant and gain travel approval
4. <!--[if !supportLists]--><!--[endif]--> Ask the committee to identify the discussant and offer support if needed

Eric

From: JACOBS, ERIK [AG/1000]
Sent: Monday, April 27, 2015 11:30 AM
To: JENKINS, DANIEL J [AG/1920]; SACHS, ERIC S [AG/1000]; LISTELLO, JENNIFER J [AG/1000]
Cc: VICINI, JOHN L [AG/1000]; HEYDENS, WILLIAM F [AG/1000]; GARNETT, RICHARD P [AG/5040]; REYNOLDS, TRACEY L [AG/1000]
Subject: RE: WHO report on Glyphosate and Cancer

Copying Jen Listello

From: JENKINS, DANIEL J [AG/1920]
Sent: Monday, April 27, 2015 11:26 AM
To: SACHS, ERIC S [AG/1000]
Cc: VICINI, JOHN L [AG/1000]; HEYDENS, WILLIAM F [AG/1000]; GARNETT, RICHARD P [AG/5040]; REYNOLDS, TRACEY L [AG/1000]; JACOBS, ERIK [AG/1000]
Subject: Re: WHO report on Glyphosate and Cancer

It's possible. EPA budgets are tight and they typically need a few months for this kind of travel approval. Certainly willing to try. What's the short statement on ICABR and the purpose of the panel?

Dan Jenkins
US Agency Lead
Monsanto Company

On Apr 27, 2015, at 9:50 AM, SACHS, ERIC S [AG/1000] <[REDACTED]> wrote:

See message below from Justus Wesseler who reached out to Roland Solecki of BfR regarding the proposed ICABR panel on IARC and Glyphosate. Unless you have other ideas, it does not appear that BfR will participate at all. Aaron Blair has also been unwilling to commit. How do you feel about revisiting Jane Hoppin to provide a perspective on IARC? There remains a clear opportunity to consider the implications of IARC decisions generally, and glyphosate specifically, on the Ag sector and the Bioeconomy. Given the BfR is balking, should we try to engage EPA? Is there another "expert" that could provide that needed perspective?

There is another e-mail string where Jose Falck-Zepeda (IFPRI) is supporting the panel because of the implications and apparent lack of scientific rigor in reaching such an important position. This is important because Jose is on the NRC GE Crops panel and is no doubt looking at the implications of the IARC position on how the public views the safety of RR crops. It is a stretch but perhaps the NRC panel could recommend EPA to participate if they need encouragement. Dan????? Do you think Jess Roland could be convinced to participate?

Eric

From: Wesseler, Justus [REDACTED]
Sent: Monday, April 27, 2015 1:31 AM
To: SACHS, ERIC S [AG/1000]; 'Carl Pray'
Cc: 'David ZILBERMAN'; 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'
Subject: RE: WHO report on Glyphosate and Cancer

Dear All,

I did talk with Roland Solecki of BfR. As this a still ongoing debate within WHO and EFSA, he (and others within his department) does not like to participate in public debates on the topic, as his group participates in the panels discussing the topic. I also asked him if he could recommend someone else, who could talk about the topic, but he could not recommend someone on the spot. In general, he was not very enthusiastic to talk about the topic at the ICABR but also reluctant to help. My feeling was that he does not want to talk about the topic at this point in time but also let nobody else to talk about it. I do find this a bit weird and cannot understand why people are not informed about the status of the debate and what it is about.

Sorry, for not having better news.

With kind regards,

Justus

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: donderdag 23 april 2015 21:30
To: 'Carl Pray'; Wesseler, Justus
Cc: 'David ZILBERMAN'; 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'
Subject: RE: WHO report on Glyphosate and Cancer

Carl – Is there anything that I can or should do to help to move the panel ahead? This is becoming a big deal – as we believed it would – and the larger implications of the IARC characterization of glyphosate need to be considered.

Here is an example – not an isolated one – of the impacts of the IARC action.

Eric

Advocacy group offers U.S. testing for herbicide feared linked to cancer

BY [CAREY GILLAM](#)

(Reuters) - An advocacy group seeking a ban on the world's most widely used herbicide said Wednesday it is launching a U.S. public testing project to gather data on detectable levels of the herbicide in drinking water, human urine and breast milk.

The project, backed in part by organic organizations and critics of genetically modified crops, is the latest move in a brewing battle pitting agribusiness interests against consumer and environmental groups over the fate of the weed-killer called glyphosate.

Feed the World, the group behind the effort, is offering test kits that can be ordered for \$119 each on its website, feedtheworld.info/, and sent to a central laboratory for processing.

Director Henry Rowlands said the group is providing validated testing that meets regulatory standards. The results are to be used to pressure regulators and lawmakers to limit and eventually ban glyphosate, he said.

Glyphosate is the active ingredient in Roundup herbicide sold by Monsanto Co and is found in hundreds of products sold worldwide by many companies. It was first registered for use in the United States in 1974 and has long been considered safe by U.S. and many foreign regulatory bodies. It is widely used on crops, lawns, gardens and golf courses.

But some scientific studies have linked it to health problems, and last month a research unit of the World Health Organization classified glyphosate as "probably carcinogenic to humans."

Monsanto spokeswoman Charla Lord said all labeled uses of glyphosate are safe and had no further comment about the Feed the World Project.

The U.S. Environmental Protection Agency (EPA) is concluding an extended review of glyphosate and has said it will issue a preliminary risk assessment for public comment later this year. The agency has the power to ban the herbicide, impose new limits on its use or keep current rules in place.

The U.S. government does not test for glyphosate residues in foods, though it does test for other pesticide residues. But a number of organizations have been sampling foods, urine and breast milk themselves, to try to determine the pervasiveness of glyphosate residues.

Glyphosate is used on corn, soybeans, sugar beets and other crops genetically altered to withstand it. It is also used by farmers growing wheat, oats and other crops. Its use has surged with the advancement of genetically engineered crops.

(Reporting by Carey Gillam in Kansas City; Editing by [Cynthia Osterman](#))

From: Carl Pray [REDACTED]
Sent: Monday, April 20, 2015 3:29 PM
To: SACHS, ERIC S [AG/1000]; 'Wessler, Justus'
Cc: 'David ZILBERMAN'; 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'
Subject: RE: WHO report on Glyphosate and Cancer

No results yet. I have invited (twice) but not gotten any response from Aaron Blair. I invited Jane Hoppin and she was interested but has visitors the entire week of our conference. She is trying to contact Aaron and encourage him to respond.

The only other possibility that I have is one of our Deans Mark Robson <http://plantbiopath.rutgers.edu/faculty/robson/robson.html> who was a farmer in NJ, then an entomologist, then public health guy looking at impact of pesticides – particularly in Thailand and the US, He is a AAAS Fellow. He I currently working with my Chinese colleague, Hu Ruifa, on the health impacts of reducing pesticides in China due to the adoption of Bt cotton.

Carl

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: Monday, April 20, 2015 9:07 AM
To: 'Wessler, Justus'
Cc: Carl Pray; David ZILBERMAN; Stuart Smyth; Jose Falck-Zepeda; Sara Savastano
Subject: RE: WHO report on Glyphosate and Cancer

Justus et al.

Can anyone provide a status update on the invitations for panel focused on the IARC outcomes and impacts?

Eric

From: Wessler, Justus [REDACTED]
Sent: Saturday, April 11, 2015 4:30 AM
To: SACHS, ERIC S [AG/1000]
Cc: Carl Pray; David ZILBERMAN; Stuart Smyth; Jose Falck-Zepeda; Sara Savastano
Subject: RE: WHO report on Glyphosate and Cancer

Thanks!

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: vrijdag 10 april 2015 22:27
To: Wesseler, Justus
Cc: Carl Pray; David ZILBERMAN; Stuart Smyth; Jose Falck-Zepeda; Sara Savastano
Subject: Re: WHO report on Glyphosate and Cancer

I believe this is the correct email address. Try it, and let me know if it works. I'm still checking.

[REDACTED]
Eric
Sent from my iPhone

On Apr 10, 2015, at 1:37 PM, Wesseler, Justus [REDACTED] wrote:
Not yet. Eric can you send me the e-mail of the BfR person that I can speed-up the process.
Regards, Justus

Sent from my iPhone

On Apr 10, 2015, at 18:46, Carl Pray <[REDACTED]> wrote:

OK, thanks.

Justus, have we heard anything from your German contacts?

Carl

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: Friday, April 10, 2015 11:40 AM
To: 'Carl Pray'; 'Wesseler, Justus'; 'David ZILBERMAN'
Cc: 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'
Subject: RE: WHO report on Glyphosate and Cancer

Carl,
No. I believe it is very important that the invitation come from the ICABR program committee. My colleagues and I can provide contact information if needed. As I said below, most important is getting commitment from either Roland Solecki of BrR or Jess Roland at EPA to participate. They provide a critical perspective.

Please let me know how I can help further.
Eric

From: Carl Pray [REDACTED]
Sent: Friday, April 10, 2015 10:35 AM

To: SACHS, ERIC S [AG/1000]; 'Wesseler, Justus'; 'David ZILBERMAN'

Cc: 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'

Subject: RE: WHO report on Glyphosate and Cancer

Eric,

Thanks. Have you contacted any of them?

Regards,

Carl

From: SACHS, ERIC S [AG/1000] [REDACTED]

Sent: Thursday, April 09, 2015 5:28 PM

To: 'Carl Pray'; 'Wesseler, Justus'; 'David ZILBERMAN'

Cc: 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'

Subject: RE: WHO report on Glyphosate and Cancer

All,

My recommendation is below. Here are a few additional salient points to consider:

- Based on conversations with persons that know both Jane Hoppin and Aaron Blain quite well, I get the sense that they will provide a similar perspective. Consequently, the best choice would be Aaron Blair since he was directly involved in the IARC.
- It is critical to get participation by Roland Solecki at BfR. He will provide the regulator's perspective on risk assessment process, including both hazard and exposure assessment. If he is unavailable or cannot participate then reach out to Jess Roland at US EPA. He was present at the IARC proceedings and potentially would point out elements of the IARC process that fall short of more in depth reviews by regulators. More importantly, he would share EPA's assessment and conclusions.
- This panel ultimately is not about arguing the science and evidence but about the consequences of signaling cancer risk based upon precaution and potential hazard rather than a robust risk-based assessment as is conducted by regulatory authorities.
- My proposal to include someone from Monsanto was not to wade into the science but to explain the ramifications of the IARC classification for regulators, farmers, and society.
- I strongly encourage you to include a Discussant or additional panel member to point out the issues and opportunity costs that arise for society when science and politics are blurred in situations like this one. One of you would be ideal.

Proposed panel:

- Discussant (economist) – to examine the consequences in the context of the political economy

- Aaron Blair (IARC) – to explain the IARC process and classification
- Roland Solecki (BfR) – to discuss the BrR in-depth review of glyphosate and conclusions. If not available then...

Jess Roland (EPA) – to explain the differences between the IARC hazard-only approach and the more in-depth risk assessment approach used by regulators

- Dan Jenkins (Monsanto) – to explain the potential consequences of the IARC classification for regulators, farmers and society.

Please let me know if you would like contact information for any of these persons.

Thanks for the opportunity to provide input.

Eric

From: Carl Pray [REDACTED]
Sent: Wednesday, April 08, 2015 3:53 PM
To: SACHS, ERIC S [AG/1000]; 'Wesseler, Justus'; 'David ZILBERMAN'
Cc: 'Stuart Smyth'; 'Jose Falck-Zepeda'; 'Sara Savastano'
Subject: RE: WHO report on Glyphosate and Cancer

Eric,

I think you are on the right track. I guess for me a panel of 3 or 4 at maximum. My ideal panel would be Blair, Hoppin, Kula and Jenkins. We definitely want some balance.

Carl

From: SACHS, ERIC S [AG/1000] [REDACTED]
Sent: Wednesday, April 08, 2015 4:05 PM
To: 'Wesseler, Justus'; David ZILBERMAN; Carl Pray
Cc: Stuart Smyth; Jose Falck-Zepeda; Sara Savastano
Subject: RE: WHO report on Glyphosate and Cancer

All – I am seeking some input from our team in Brussels and will get back to you tomorrow. Here are the persons we are discussing for the panel. I focused on persons that were present during the IARC process, regulators that have recently examined glyphosate risk for cancer in humans, and a couple of persons from industry. I also considered persons that live in Europe to save on travel costs.

Please don't take any action to reach out to these folks yet. I will have final recommendations tomorrow. In the mean time, it would be great to know if the direction I have taken is consistent with your goals.

Regards,

Eric

Potential Panel members

1. Jane Hoppin (epidemiologist and co-PI of Ag Health Study) is currently at NC State in the Center on Genetic Engineering and Society (already contacted)
 - a. She would talk about the Ag Health Study and the lack of evidence that glyphosate causes cancer in the farming community
2. Aaron Blair (chair of IARC Panel) is retired from the National Cancer Institute (as you know)
 - a. He likely would defend the IARC process and decision along the lines of their public statement
 - b. If invited, he would provide balance to the discussion
3. Dr. Kula (BfR) is knowledgeable about the recent findings of the BrR review of glyphosate
 - a. He would communicate the findings of the German authorities review of glyphosate and the lack of evidence that glyphosate causes cancer in humans
4. Chris Strupp (ADAMA) and member of ECPA and the Glyphosate Task Force
 - a. He was present at IARC and could point out some of the weaknesses of the IARC process; or differences from other regulatory reviews
 - b. He is a member of industry
5. Jess Roland (EPA) was present at the IARC proceedings
 - a. Ideally, he would be willing to discuss EPA's assessment of glyphosate and conclusion it is not carcinogenic
 - b. Minimally, he would participate and point out elements of the IARC process that fall short of more in depth reviews by regulators
6. Dan Jenkins (Monsanto) is based in our Washington DC office and is responsible for all interactions with the US regulatory agencies
 - a. He could explain how Monsanto responded and why, as well as answer other questions
 - b. He could speak about the implications and potential consequences of the IARC decision for regulators and other authorities

From: Wesseler, Justus [REDACTED]

Sent: Wednesday, April 08, 2015 1:05 AM

To: David ZILBERMAN; Carl Pray

Cc: SACHS, ERIC S [AG/1000]; Stuart Smyth; Jose Falck-Zepeda; Sara Savastano

Subject: RE: WHO report on Glyphosate and Cancer

Indeed, we need to have a strong panel. If we can get Aaron Blair and Jane Poppin would be great...

From: David ZILBERMAN [REDACTED]

Sent: woensdag 8 april 2015 7:13

To: Carl Pray

Cc: SACHS, ERIC S [AG/1000]; Wesseler, Justus; Stuart Smyth; Jose Falck-Zepeda; Sara Savastano

Subject: Re: WHO report on Glyphosate and Cancer

It will be important to have a strong panel on this topic- people started to harass me already...

David

On Tue, Apr 7, 2015 at 2:10 PM, Carl Pray <[REDACTED]> wrote:
Eric and the program committee,

I just talked to Jane Poppin at NC State who is an epidemiologist working on agricultural chemicals and was a Staff Scientist at the National Institute of Environmental Health Sciences (NIEHS) and co-Principal Investigator (PI) of the Agricultural Health Study, which is a 20 year study of the health of farmers and their spouses in North Carolina and Iowa. She has not been on one of these WHO panels but knows about how they work and was somewhat surprised by their decision on Round-up. She is very curious to look at the monograph when it comes out.

She suggested that we send a note to Aaron Blair who was the head of the IARC panel. He is retired from the National Cancer Institute and is still in the Washington area. Before I try to contact him I wondered if you (Eric) had contacted him or anyone else at WHO.

I think Jane might be a good choice for the panel. She could describe how these panels work, what is known about glyphosate other herbicides like atrazine and then talk about some of the results from the Agricultural Health study. She just joined NC State and is associated with their Center on Genetic Engineering and Society. She has been trying to figure out how to get started on studies of the impact of genetically engineered plants and society. So, she might enjoy talking to us in Ravello.

Regards,

Carl

From: SACHS, ERIC S [AG/1000] [REDACTED]

Sent: Tuesday, March 31, 2015 10:02 AM

To: 'Carl Pray'

Cc: 'David ZILBERMAN'; 'Wesseler, Justus'; Stuart Smyth; Jose Falck-Zepeda [REDACTED]

[REDACTED]; Sara Savastano

Subject: RE: WHO report on Glyphosate and Cancer

Carl – I discussed your proposal internally and my team is in full agreement. I am pursuing your request. Also, I want to make a suggestion for the group to consider. While the categorization by IARC is without robust scientific foundation as

the BfR and EPA (among others) can attest to, there are important ramifications that impact regulators, policy makers and the public. The cost to society of such actions while potentially difficult to quantify are very real. I would like for the panel to consider including a speaker from Monsanto to discuss these implications and the potential consequences to the Ag sector and farmers.

Best,
Eric

From: Carl Pray [REDACTED]
Sent: Friday, March 27, 2015 10:31 AM
To: SACHS, ERIC S [AG/1000]
Subject: FW: WHO report on Glyphosate and Cancer

Dear Eric,

As you can see below, I think it would be interesting and useful to have a session on the WHO classification of Round-up and the rest of the program committee is interested also. Stuart reports that there was just an in depth review of glyphosate in Germany which found it safe and Justus has found somebody who was involved in that and could come to Ravello. I am trying to find somebody that is either currently or formerly was on the IARC or WHO who could talk to us about how these decisions are made. I think it would be really useful to have somebody who could compare the risks of the main herbicides. Can you suggest somebody from academia who could do that? Do you have some way of identifying somebody from WHO who might be willing to come to Ravello to talk about either this decision or the general process by which chemicals are classified?

Regards,

Carl

From: Carl Pray [REDACTED]
Sent: Wednesday, March 25, 2015 11:29 AM
To: 'David Zilberman'; [REDACTED]; [REDACTED] 'Smyth, Stuart'; Falck-Zepeda, Jose (IFPRI) [REDACTED]; [REDACTED] 'Sara Savastano'
Subject: WHO report on Glyphosate and Cancer

Given the recent publicity about Round-up and cancer, should we try to put together a session at Ravello on this topic? Ideally we would have somebody from the IARC or WHO or at least somebody from WHO.

<http://www.nytimes.com/2015/03/21/business/who-report-links-ingredient-in-roundup-to-cancer.html>

<http://www.nytimes.com/2015/03/25/opinion/stop-making-us-guinea-pigs.html?ref=opinion>

[http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045\(15\)70134-8/fulltext](http://www.thelancet.com/journals/lanonc/article/PIIS1470-2045(15)70134-8/fulltext)

<http://www.monsanto.com/iarc-roundup/pages/default.aspx>

We already have a session on herbicide tolerance which presumably will be talking about different types of herbicides along with management practices....

Carl

Carl E. Pray Ph.D.
Distinguished Professor
Department of Agriculture, Food, and Resource Economics
School of Environmental and Biological Sciences
Rutgers University

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

http://www.dafre.rutgers.edu/documents/CV/Pray_March-2014.pdf

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--

David Zilberman
Professor and Robinson Chair
Department of Agricultural and
Resource Economics
207 Giannini Hall
University of California
Berkeley, CA 94720-3310

[REDACTED]

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