

Message

From: Elliott Barry B GBAP [/O=MESSAGING/OU=BE-AG/CN=RECIPIENTS/CN=BARRY.ELLIOTT]
Sent: 11/22/2007 9:27:29 AM
To: Botham Phil GBJH [/O=MESSAGING/OU=BE-AG/CN=RECIPIENTS/CN=PHIL.BOTHAM]
Subject: FW: PQ/Parkinson's News article

fyi

-----Original Message-----

From: Smith Lewis CHBS
Sent: 16 November 2007 23:27
To: Pastoor Tim USGR; Breckenridge Charles USGR; Akins Jonathan USGR; Elliott Barry B GBAP
Subject: Re: PQ/Parkinson's News article

All

This appears to be the same as the press release some months ago. As far as I can see it is the information and statements from the Parkinson's Institute.

The new information which was given at the Neurotoxicology meeting is that non human primates given toxic doses of PQ show increases in alpha synuclein in the brain. They were not able to show neuronal cell loss but this was probably due to the small number of animals. Also, Tanner showed data from the Ag Health study that showed a progressive increase in the incidence of PD with time. The RR was less than 2 and the slide was not up for long enough to get a clear assessment. Tanner said it was preliminary data but the whole content of her and other talks implied confidently that pesticides increase the incidence of PD and PQ in particular looks to be a significant contributor.

I shall provide the project team with a more specific update but I was really worrying to listen to the certainty with which some speakers implicated pesticides despite the lack of causal evidence.

Regards

Lewis

----- Original Message -----

From: Pastoor Tim USGR
To: Smith Lewis CHBS; Breckenridge Charles USGR; Akins Jonathan USGR
Sent: Fri Nov 16 20:52:59 2007
Subject: PQ/Parkinson's News article

Apparently, this will be considered by the PRF Approach Committee. In any event, the Cooperative Extension Newsletter is attached and the article is as follows...

NEW EVIDENCE FOUND
REGARDING LINK
BETWEEN PARKINSON'S
AND PESTICIDES

Three new studies presented earlier this month at the Collaborative Centers for Parkinson's Disease Environmental Research (CCPDER) meeting combined information from human and animal studies, thus strengthening the alleged link between the disease and exposure to pesticides, scientists say.

"All of these pieces really look like they are coming together now," William Langston, founder of the nonprofit Parkinson's Institute, which serves as the CCPDER coordinating center, told Reuters.

One study examined 80,000 licensed pesticide applicators and their spouses and found that farm workers exposed to the pesticide paraquat had twice the expected risk of developing Parkinson's than others. The pesticide dieldrin also raised the risk, the study found.

A second study found that rodents exposed to paraquat have a build-up of the protein alpha-synuclein in their brains.

The protein has been linked to Parkinson's in the past and the third study found that the build-up of the alpha-synuclein protein destroys dopamine producing cells – the same cells that die in people afflicted with Parkinson's.

"This increase in alpha-synuclein in the brain could be the missing link between the exposure to this agent and how this agent causes the disease," Donato Di Monte of the Parkinson's Institute said.

(Pesticide & Toxic Chemical News, Vol. 35, No. 27, April 30, 2007)

Tim Pastoor

Case ID: 220300429

SYNG-PQ-20736066_R

336-632-2226

-----Original Message-----

From: Hackett Dennis USGR
Sent: Friday, November 16, 2007 9:41 AM
To: Parr-Dobrzanski Bob GBJH
Cc: Hertl Peter USGR; Pastoor Tim USGR; Dixon Monty USGR
Subject: PRF for Consideration by Approach Committee FW: June07pr[1].pdf
Importance: High

Bob,

Please see the article on page 5 of the attached newsletter for consideration by the PRF Approach Committee. The article concerns paraquat link to Parkinson's Disease.

Thanks and best regards

Dennis

Dennis S. Hackett
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-----Original Message-----

From: Dixon Monty USGR
Sent: Thursday, November 15, 2007 10:57 PM
To: Hackett Dennis USGR
Subject: FW: June07pr[1].pdf

Dear Dennis,

Eileen Kennedy just forwarded this information to me. Can you please look at the information on page 5. I want to ensure proper steps are taken if this is reportable. I am not sure that it is being in a publication but would like to have confirmation.

Could you please let me know your thoughts.

Kind Regards,

Monty

-----Original Message-----

From: Kennedy Eileen USGR
Sent: Thu 11/15/2007 6:23 PM
To: Dixon Monty USGR
Subject: FW: June07pr[1].pdf

FYI, scary stuff

From: Kennedy Eileen USGR
Sent: Tuesday, October 23, 2007 6:36 PM
To: Heard Nina USGR; Joseph Timothy USGR
Subject: June07pr[1].pdf

<<June07pr[1].pdf>>

FYI. See page 5. Article claims a link between PQ and higher incidence of Parkinson's.

Case ID: 220300429

SYNG-PQ-20736067_R