

Herbicides Resistance Action Committee EUROPEAN GROUP

Update Activities

EPPO Resistance Panel Meeting

Rothamstead, UK. 16/17 2015



A large banner for EHRAC. The background is a landscape with a field in the foreground and mountains in the distance under a cloudy sky. The acronym 'EHRAC' is written in large, bold, green letters across the middle of the banner. Below it, the full name 'Herbicide Resistance Action Committee - Europe' is written in smaller, red letters.

EHRAC list of members

Adama

BASF

Bayer Crop Science

Cheminova

Dow

DuPont

Gowan

Monsanto

Nufarm

Syngenta

A banner with a background image of a rural landscape with fields and mountains under a cloudy sky. The text 'EHRAC' is written in large, bold, green letters across the middle. Below it, the text 'Herbicide Resistance Action Committee - Europe' is written in a smaller, red, sans-serif font.

EHRAC
Herbicide Resistance Action Committee - Europe

New Cases of Weed Resistance in Europe : 2014-2015

Heap. Web site:
<http://www.weedscience.com>

A banner for EHRAC featuring a landscape background of a field and mountains under a cloudy sky. The acronym 'EHRAC' is written in large, bold, green letters across the center. Below it, the text 'Herbicide Resistance Action Committee - Europe' is written in red.

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New Cases of Weed Resistance in Europe – 2014-2015

Weeds	Herbicide	HRAC Group	Country	Mechanism	Year
PAPRH	Metsulfuron & florasulam	B/2	Belgium Poland	TSR	2014 2014
MATCH, MATIN	Tribenuron	B/2	Poland	unknown	2014
ALOMY	flupyrsulfuron, mesosulfuron, pyroxulam	B/2	Sweden	NTSR	2014
SORHA	nicosulfuron	B/2	Spain	TSR	2015



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COUNTRY GROUPS REPORTS

Baltics & Nordics: (Syngenta). NOBARAG met at the end of February 2015: monitoring of ALS resistance in *Apera* and *Capsella*..

Benelux: (Syngenta). The group has not met yet. Next meeting planned by end of 2015

France: (Adama). The 'COLUMA' group met in April. The new resistance database (France only) was discussed. The database provides maps of resistance occurrence e.g. ALS resistance in ALOMY. At the moment input to the database has been provided by 10 regional working groups but more groups are required in order for the database to cover all of France. EHRAC asked if a link to the database could be obtained and circulated. a draft field testing method has been prepared by the CEB. GD is under review.

Spain: (DuPont). The University of Lleida is carrying out monitoring of ALS resistance on *Sorghum halepense* in corn. Industry has agreed to participate in this by providing seed samples and rhizomes. Sample sites will include random selected sites as well as efficacy failures. Information from the study is not expected until the end of 2015 although resistance cases are expected as they have already occurred in Italy

UK: (DOW). WRAG last met in March. The main topic was the preparation of the WRAG guidance re. glyphosate resistance.



PPP re-authorization under article 43

If there is no change to the GAP then no assessment of efficacy is required except regarding the possible development of resistance or cross-resistance. Therefore, all that is required is:

- 1) a new resistance risk analysis.
- 2) GAP table including all uses to be renewed.



A large banner for EHRAC spans the bottom of the slide. The background is a landscape with a yellow field, green hills, and blue mountains under a cloudy sky. The acronym 'EHRAC' is written in large, bold, green letters. Below it, the text 'Herbicide Resistance Action Committee - Europe' is written in smaller, red letters.

HRAC Meeting

HRAC recognize that has to do more and to update the web site and the content, urgently.

HRAC looking for a coordinator to help on the organization of the group and a content generator.

Requirements from US-EPA:

- 1) Detection, Recommendation follow up with the farmer if the recommendation works**
- 2) Education package**
- 3) Survey with farmers/users the use of the herbicides:**
- 4) Best practices recommendations**
- 5) Reports**

Working Groups:

- 1) HPPD**
- 2) Auxin: auxin resistance factsheets :**
 - 1) Kochia, wild radish, poppies, wild mustard, lambsquarters, waterhemp**



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Thanks for your attention



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