

Minutes of WSSA Herbicide Resistant Plant Committee (E12) Meeting
9 February 2009

Members:

Chair

-Vencill, William (2011-S)

Members

-Fischer, A. (2010-W)

-Johnson, W. (2010-NC)

-Perez-Jones, A. (2010-W)

-Stachler, J.M. (2010-W)

-Curran, W. (2012 – NE)

-Smeda, R. (2013-NC)

-Tardif, F. (2013-C)

-Burgos, N (2014-S)

-Nandula, V. (2012-S)

Attendance:

Siyuan Tan (BASF); Terry Wright (DowAgro Sciences); Marvin Schulz (DowAgro Sciences); John Soteres (Monsanto); Francois Tardif (U. Guelph); Ian Heap; Dale Shaner (USDA/ARS); Mike Owen (Iowa State); Jill Schroeder (NMSU); Wesley Everman (Michigan State); Ian Burke (Washington State); Harry Streck (Bayer); Martin Hess (Bayer); Brent Philbrook (Bayer); Alejandro Perez-Jones (Oregon State); Bob Nichols (Cotton Inc.); Les Glasgow (Syngenta); Albert Fischer (UC Davis); Vijay Nandula (Mississippi State); William Vencill – Chair (Univ. Georgia)

Members from each regional society provided an update.

NEWSS – William Curran

PA – There is a potential case of glyphosate-resistant common ragweed. It is on 800 acres of no-till soybean that has been in continuous Roundup Ready use since 1996. Glyphosate-resistant horseweed is still spreading but mostly confined to southeastern PA. It is more common to find common lambsquarters escapes from glyphosate.

DE – About 80% of the lima bean acres are infested with ALS-resistant pigweed (about 3000 A).

VA – A common chickweed biotype has been discovered with 32X resistance to thifensulfuron.

WSWS

Alejandro Perez-Jones– Oregon State

There are five cases of multi-resistant *Lolium multiflorum* in filbert orchards. They still seem susceptible to some ACCase inhibitors.

In areas planted with Clearfield wheat, cases of imidazolinone-resistant jointed goatgrass-wheat hybrids are reported. Wheat is the male parent of these hybrids and the F1 is not controlled by a 1 x rate.

Hexazinone-resistant shepard's purse have been reported in alfalfa. These plants seem to be susceptible to atrazine.

NCWSS

Glyphosate-resistant common ragweed is suspected in Minnesota. Glyphosate-resistant *Kochia* is reported from South Dakota and Nebraska. In Illinois, there are biotypes with 4-way resistance reported (ALS, PSII, EPSP, PROTOX). A suspected case of HPPD-resistance is reported from Illinois as well.

SWSS

Glyphosate-resistance in Palmer amaranth is spreading rapidly in Georgia, South Carolina, North Carolina, Arkansas, Tennessee, and Mississippi.

CWSS – Francois Tardiff

Alberta – ACCase-resistant wild oat is reported for 40% of fields.

Manitoba – ALS-resistant kochia is widespread.

Quebec – ALS-resistant common lambsquarters is reported and a linuron-resistant *Amaranthus* in carrots. The resistance is target site based with a shift to Valine at bp 219. A biotype of imazethapyr-resistant *Chenopodium glaucum* has been reported but not confirmed.

In Europe, glyphosate-resistant *Conyza canadensis* is increasing in the Mediterranean region and ALS-resistant *Conyza Canadensis* in central Europe is increasing. A case of low level glyphosate-resistance in *Conyza benhalensis* has been reported from the Czech Republic.

Les Glasgow, chair of HRAC, made a few announcements.

The Wonderful World of Herbicides poster is close to being ready to print. Hard copies will not be available, it will be available to download and print.

A redesign of the HRAC web site is underway.

The HRAC classification of HPPD inhibitors is being made from Class 28 from Class 27.

Boerboom and Owens discussed GAO regulation of herbicide-resistant weeds.

Jill Schroeder discussed the status of herbicide resistance issues with EPA. The National Academies are preparing to release a report on sustainability of GM crops.

Vencill provided an overview of a Herbicide Resistant Weeds report that is being prepared by the WSSA on behalf of EPA and APHIS.

CropLife is working on a white paper on herbicide resistance.

The committee agreed that the joint meeting with HRAC was a good thing and should be continued.