

2011 WSSA Committee Progress Report December 2011

Committee Code and Name: Herbicides for Minor Uses (E10)

Committee Chair: Roger Batts, North Carolina State University (roger_batts@ncsu.edu)

Board Coordinator: Rod Lym

Committee Members Rotating Off:

One member is scheduled to rotate off after 2012 annual meeting: Batts.

Current Roster, (term expiration and region):

Arsenovic, Marija **	Fennimore, Steve (2016, W)
Batts, Roger (2012, S)*	MacRae, Andrew (2014, S)
Bellinder, Robin (2014, NE)	Miller, Tim (2015, W)
Colquhoun, Jed (2013, NC)	Monks, David (2014, S)
Culpepper, Stanley (2014, S)	O'Sullivan, John (2015, C)
Doohan, Doug (2015, NC)	Wallace, Russ (2014, S)
Felix, Joel (2013, W)	Zollinger, Richard (2015, NC)

*Chair

**IR-4 Herbicide Coordinator and ex-officio (no term expiration or regional affiliation)

Appropriate Replacements: Nominations for new chair and committee member will be determined at Kona meeting.

2011 Summary of Activities

What were the committee's goals for 2011? To discuss and coordinate important issues related to weed management in minor crops and herbicide registration issues, as well as potential sustainable production.

List the committee's accomplishments (fall 2010-June 30, 2011):

The HMUC met at the WSSA annual meeting in Portland, OR, February, 2011. This session was not limited to HMUC members. HMUC typically meets at the annual IR-4 Food Use Workshop, but due to limited attendance by committee members this past September, no meeting was held.

Portland Meeting

Attendees: Kassim Al-Khatib, Marija Arsenovic*, Roger B. Batts*, Robin Bellinder*, Rick Boydston, Kristen Callow, Sharon Clay, Jed Colquhoun*, Doug Doohan*, Dirk Drost, Joel Felix*, Steve Fennimore*, Dan Heider, John Jachetta, John Lydon, Andrew MacRae*, Tim Miller*, David Monks*, Rob Nurse, Ed Peachey, Marty Williams, Bernie Zandstra*

*= committee members

Order of Discussion:

1. Dual Magnum labels in tomato. Drost pointed out that there are three currently labels for Dual Magnum use in transplanted tomatoes.

1. 30 day PHI label limits the use rate at 1.33 pt product per acre.
2. Several states have 24c labels with 60 day PHI that allow higher rates. If a certain state would like to investigate a 24c, contact Syngenta.
3. National label has 90 day PHI. This existed prior to either of the other labels.

Questions related to Dual Magnum followed. Fennimore asked about Dual Magnum in transplanted lettuce. Drost said report is still in preparation at IR-4. MacRae asked if Dual Magnum will get fully labeled in fruiting vegetables. Florida has 3rd party use in peppers now. Drost told the group that there is no movement for use in eggplant at Syngenta. He explained that Florida could stay with current pepper arrangement or go to indemnified label for pepper.

Post-meeting note from Arsenovic: In the next month or two, IR-4 is planning to submit to the EPA S-metolachlor petition for use in cilantro, beet greens, and is requesting to remove plant back restrictions for leaf and head lettuce from one year to 40 days using spinach tolerance. PCR for that. IR-4 has several current s-Metolachlor residue studies that will be submitted to EPA in spring of 2012. July note: Cilantro and beet greens package likely to be shipped to EPA mid- to late-July 2011. ChemSAC did not approve IR-4 rotation crop argument to remove the plant back restrictions for lettuce, so that will wait until head and leaf lettuce submission scheduled for mid-2012.

2. Reflex use on tomato and potato. Drost explained that expansion of Reflex in these crops will match the soybean 'geographies'. Labels will be for preemergence use in both. PRIA date is currently Feb. 2011. After that, individual state approvals are required. Drost said this is quick in some states and slower in others. *July note: Supplemental label for Reflex use in potato released in April 2011. Syngenta will support indemnified labels for tomatoes and peppers in states that have interest. States must contact Syngenta for this. To date, only GA and FL have shown interest.*

3. Update on Reflex ecological risk assessment process. Drost said that the endangered species decisions on Reflex are due out from EPA in mid-March or early-April. Syngenta seems to be more comfortable with what will be decided. *July note: Drost says Syngenta does not believe the ecological risk assessment on Reflex will affect its use on any registered crops.*

4. Trifluralin/UN Persistent Organic Pollutant (POP) list. Jachetta explained the history of this issue and thanked those who wrote letters highlighting the benefits of trifluralin last Winter. Lots of letters were received to present to the United Nations Economic Commission for Europe (UNECE) convention on Long-range, Transboundary Air Pollution. No consensus was achieved on this in their last meeting. It will, therefore, be revisited in Dec. 2011. Jachetta reminded all that we need to continue support if and when called upon again. Batts asked if the group that makes this decision was simply going to keep revisiting the issue until a decision could be reached that allowed for trifluralin to be added to the POP list. Jachetta stated that this is exactly why we need to stay vigilant.

5. Status of Kerb re-establishment in leaf lettuce. Jachetta explained the history on the removal of leaf lettuce from the Kerb label. He also explained steps that Dow has made to re-establish its

use. Final requested data is scheduled to go to EPA in 2012. After that PRIA date is usually 15 months or so. Look for EPA decision approx. 2014.

Fennimore asked that if the baby leaf lettuce residues now exceed the “dietary cup”, could Dow simply remove some uses in crops where little or no pronamide is use and/or sold in order to add baby leaf lettuce. Jachetta said it is not that easy and the best thing to do is stick with the current timetable.

6. Status of Reflex/cucurbit projects. Arsenovic informed the group that the data package for this submission is currently at Syngenta. IR-4 will likely get it back in some time in Feb. 2011, with EPA submission late Spring 2011. Then PRIA deadline date (approx 15 months or so) will be set. *July note: Submission likely late summer 2011.*

7. IR-4 Herbicides projects: 2010 report and 2011 plan. Arsenovic distributed two handouts with IR-4 information. The first was selected slides from her presentation later in the conference. The second was a listing of herbicide registrations between 2005 and 2010 that have been established through IR-4.

2010 Herbicide Tolerances through IR-4:

Clopyralid: swiss chard, bushberry subgroup (13-07B), and annual strawberry (Florida)

Clethodim: caneberry subgroup (13-07A), bushberry subgroup (13-07B), peach, globe artichoke

Flumioxazin: leafy vegetable petiole subgroup (4B), cucurbit vegetables group (9), and hops

Halosulfuron: tuberous and corm vegetables subgroup (1C), succulent shelled pea and bean subgroup (6B), dried shelled pea and bean, except soybean, subgroup (6C), bushberry subgroup (13-07B), rhubarb, apple, and okra

Prometryn: carrot, celeriac, cilantro, coriander, leafy vegetable petiole subgroup (4B), parsley, and okra. Please see below a portion of an e-mail from Drost related to these tolerances and potential prometryn labels:

“EPA requested that Syngenta conduct additional studies as a condition of registration when they approved this label and established tolerances for subject crops. Syngenta responded to EPA in Sept 2010 and agreed to do some work and asked for a waiver on other work.

Syngenta Crop Protection, LLC is ready to proceed with 24(c) indemnified labels, if requested by states, for the specific crops that were included in the label amendment. I am asking the state university or extension specialist to provide a copy of the locally available crop safety data along with the specific 24(c) request. The requester should also be keeping in contact with the local Syngenta technical service representative in his/her state and keep them informed of need, interest and support.”

s-Metolachlor: sesame, melon subgroup (9A), bushberry subgroup (13-07B), lowbush blueberry, caneberry subgroup (13-07A), sweet sorghum, leafy brassica subgroup (5B), turnip greens, carrot, cucumber, okra, bulb onion, and green onion

Thifensulfuron: safflower

2010 EPA Notice of Filing for IR-4 submissions:

Glufosinate: sweet corn (Liberty-link types)

Linuron: dry pea and parsley

Post-meeting note from Arsenovic: IR-4 had to withdraw the pending petitions for linuron in parsley, dry pea and horseradish since the issue of the enforcement method has not been resolved and the registrant has indicated they will not be prepared to provide these data until some time later in 2011. Until this issue is addressed no additional tolerances can be established for this chemical since an enforcement method is a known requirement and has been identified as a deficiency for quite some time. IR-4 will re-submit linuron petition once the registrant provides enforcement method to EPA, maybe later this year. July note: No change in the status of this issue.

Triflurosulfuron: garden beet

2010 IR-4 Herbicide Submissions:

Dicamba + 2,4-D: teff

Paraquat: perennial subtropical tree fruit

Rimsulfuron: bushberry subgroup (13-07B), caneberry subgroup (13-07A)

2011 IR-4 Herbicide Residue Studies:

Diquat: pepper, tomato

Fluazifop: strawberry, green onion

Flumioxazin: clover

Indaziflam: coffee

Mesotrione: grape

MCPB: southern pea

NAA: pomegranate

Oryzalin: asparagus

Pendimethalin: blueberry, caneberry

Rimsulfuron: cranberry, grasses

Simazine: currant

s-Metolachlor: chicory, swiss chard

Sulfentrazone: mint

2011 IR-4 Herbicide Performance Studies:

Carfentrazone: asparagus

Clopyralid: radish

Flufenacet+Metribuzin: timothy hay

Linuron: basil

Mesotrione: grape

Pendimethalin: blueberry, caneberry, brassicas

Quinclorac: caneberry

Saflufenacil: succulent pea

s-Metolachlor: chicory

Sulfentrazone: apple

8. HMUC letter to IR-4

The WSSA-HMUC letter with suggested changes in data requirements and protocol development was sent to IR-4 in October 2010. Arsenovic said that HQ has accepted the letter and suggestions with open minds and positive attitudes. It has been circulated all HQ personnel and regional coordinators for feedback.

Post-meeting note: Batts spoke with Van Starner at IR-4 HQ. He does not remember receiving any feedback after distribution.

9. 2011 Weed Olympics. This event will be held in Knoxville, TN on July 26 and 27. This will be patterned after the regional contests. A website, (<http://www.weedolympics2011.org/Pages/default.aspx>), has been established with specifics of the contest. Batts encouraged all attendees to consider volunteering to help with the contest. This can be done through the website. Bellinder added that she was involved in 2010 combined contest of NEWSS and NCWWS. She stated that this is an enormous undertaking and also encouraged others to volunteer to help.

10. IR-4/Registrant timeline synchronization. Due to recent actions at/by EPA, IR-4 submissions will have to better synchronize with registrant submission to EPA. Discussion of this issue focused on unexpected EPA data call-in requests to registrant(s) that have occurred on some IR-4 submissions. It was mentioned that situations may occur where IR-4 may only have one opportunity to submit a certain package, given these unexpected data requests. A timeline reduction committee has been formed within IR-4 (Batts and Drost are also members of this committee) to help accelerate the IR-4 process in order to better synchronize with manufacturer submission date(s).

11. WSSA requests to each committee. Each committee was asked to revise their MOP and also identify a project for the committee to work on this year. Some discussion over these occurred, but it was decided for the committee to communicate via e-mail on these. One suggest for a committee project was to implement a page on the WSSA website dedicated to weed management in specialty crops.

ACTION ITEM: Batts to start communications with committee on both issues.

July note: Not much conversation on this topic has occurred at this point.

December note: No action taken on these issues at this point.

12. New IR-4 Food Use Workshop proposal. According to comments heard by Batts in IR-4 teleconference, a new format will be proposed to PMC in March. Based on limited conversation about it, the proposed format will go away from prioritizing by discipline and move towards prioritizing by crop group. This new process will be explained to the IR-4 Regional Coordinators on Feb. 15, for initial input from them, according to Arsenovic. Much concern was expressed by committee over this. It was decided to request specifics on the proposal and the committee will evaluate how this may impact herbicide priorities, tolerances and registrations.

ACTION ITEM: Batts spoke with Kunkel at IR-4 HQ and received list of specific changes that will be proposed. These were forwarded to HMUC membership for review and comment.

Post meeting note: Batts was invited to participate in conference call on this issue with IR-4 HQ personnel and regional field coordinators (RFCs) to express HMUC concerns. An earlier e-mail from Batts to Michelle Samuel-Foo, IR-4 Southern RFC, had been distributed to several participants prior to the conference call. Participants listened to the concerns, but generally, were not dissuaded in moving forward with proposed changes. Changes will be proposed to IR-4 Project Management Committee in March and will most likely be implemented at 2011 FUW, this September.

July note: 2011 FUW will implement this new format.

December note: Forty-two Magnitude of Residue (MOR) priorities have been approved for 2012 IR-4 workload. Of these, 8 (~19%) are herbicides: metribuzin/potato (PHI reduction), flumioxazin/orange, saflufenacil/grasses (seed crop), trifluralin/rosemary, clomazone/asparagus, diquat/banana, saflufenacil/olive, diquat/sugar apple. One herbicide screening project (garden beets) was also prioritized and scheduled for 2012. Twenty (~48%) of the forty-two residue priorities are for fungicides/nematicides and twelve (~29%) are for insecticides/miticides. One bird repellent residue project, one fungicide screening (fruiting vegetables), and one insecticide screening project (herbs and spices) are also prioritized.

Meeting was adjourned at approximate 2:50 pm.

Post meeting notes: Batts attended WSSA Committee Chair Breakfast on Thursday, Feb. 10.

Items that were discussed that may/do have implications for HMUC:

- 1. Review of committee MOP. Any alterations to committee MOP need to be included in summer committee report to WSSA Board of Directors. Meeting is in July. Report is due in late June.*
- 2. Terms of service. Member terms expire at the end of the WSSA Business Meeting in the year listed on the committee roster.)Members with 2011 listed in the roster officially rotated off Feb. 9, 2011)*
- 3. Interaction. Committee communications throughout the year is encouraged. WSSA has teleconference number that can be used for this. Contact Joyce Lancaster if your committee needs a teleconference.*
- 4. Committee makeup. Board encourages more industry representation on each committee. Re-enrolling of members is accepted, but the Board would also like to see new members involved by utilizing member rotation. The Board will be working with WSSA webmaster to establish a 'request for committee membership' type of link on the WSSA website. This should help committee chairs with rotations.*
- 5. Fund requests. These requests from committees are encouraged. WSSA has a proposal form, along with a review process, for such requests.*
- 6. Committee meetings at WSSA. Length of committee meeting at WSSA is normally set at 2 hours. If a committee needs more, or less, time, please contact program chair.*
- 7. Procedure for changing the name of a committee. The proposed name change with justification needs to be added to one of the committee reports to the Board. The Board liaison for the committee also needs to be notified so that he/she can present the request to the Board at one of their meeting. The Board then decides on whether or not to grant the change. It was cautioned that if a name change, and subsequent MOP change(s), implied expanded scope that may be covered by one or more other committee(s), agreement(s) with those committee(s) needed to be secured.*

What information was posted on the WSSA website? I am aware of none.

How much funds were requested? How much was spent? I am aware of no fund requests or expenditures made by this committee.

What was the impact of the committee activities/accomplishments on the following: membership, publication, policy, legislation, and/or education? HMUC members are engaged in the USDA IR-4 Project, which coordinates testing and data submission to US EPA to help growers of these high-value, small-acreage crops obtain new herbicidal tools. Many of our members also hold extension appointments at their institutions and are in excellent positions to share research weed control findings directly with growers.

What is the current state of the committee's projects and activities? The HMUC is highly active in its pursuit of weed control solutions for minor/specialty crop production. Through direct meetings and other communications, we share data and ideas on new weed control solutions. Cooperation and communication from researchers across all regions of the country is particularly strong in this committee.

2012 Plan for Committee Activities

Goals for 2012: To continue to identify and resolve field-level weed control issues in minor/specialty crops and to stay abreast of legislative issues that will affect protecting specialty crops from losses due to weeds.

Plan of Action: Through direct meetings (IR-4, WSSA, and others) and through intra-committee correspondence, issues can be identified and through data and idea exchange, resolutions can be reached through a consolidated approach.

What is needed to further the goals of the committee/project? Continued participation in the committee by members and other interested parties is critical. This may include identification of emerging weed control problems as well as data exchange on weed control agents. Communication with regulatory agencies on weed control issues involving specialty crops will also be essential.

Recommendations for Board/Society Action:

Funds requested for 2012: None

Other requests for the Board: None