Making your Pesticide Needs a High Priority

Edith Lurvey  
ELL.10@cornell.edu  
NE Regional Field Coordinator IR-4

Department of Food Science and Technology  
Cornell University - NYSAES  
630 W. North Street  
Geneva, NY 14456

IR-4 Website:  
www.ir4.rutgers.edu
The IR-4 Mission

To support the registration of pest management tools for specialty crops.

Publicly funded program that conducts research and submits petitions to EPA.
- NIFA
- Hatch
- USDA/ARS
Specialty Crops

High value – Low acreage
<300,000 acres

Most Food Crops:
- Fruits
- Vegetables
- Nuts
- Herbs & Spices

Ornamental Horticulture Crops:
- Floral Nursery
- Landscape
- Christmas Trees
IR-4 Factoids

Established 1963

Data has supported almost 50% of current food use tolerances

Also has programs for
- Biopesticides
- Ornamental Horticulture
- Public Health

Leadership role in global harmonization of registrations
Partnerships

Land Grant System/SAES
- Funding in kind: offices, research farms, infrastructure, admin. support
- Expertise

Crop Protection Industry
- test substance & standards
- direct funding for special projects

Growers/Grower Groups
- Commodity Liaison Committee

US EPA
The IR-4 Regulatory Clearance Process

The Process Starts with Requests
Submitted from:
• Growers,
• Grower Groups,
• State/Federal Research & Extension Personnel

Requests Reviewed by Manufacturer
Stakeholder nominations

Requests Prioritized
Top Priority
Research That Year
Second Priorities
Researched as Money Allows

Field and Lab Research
• Measure Residue levels in Crop/Crop Group
• Top Priorities completed in 30 months

Manufacturer Adds Crop/Use to the Product Label

Tolerance Established by EPA

Package Submitted to EPA

Stakeholder:
Define Pest Problem
Identify Pest Management Solution
Request Assistance from IR-4
Active Participation of Stakeholders

Your voice is important as NER is small:
- Geographically
- Average farm size

Provide input on important projects:
- New products
- Problem pests and/or control gaps

Tell us what you need:
- Submit pest management request (PCR)
  Last PCR accepted August 15, 2012
Projects prioritized at IR-4 Food Use Workshop

- **A Priority** - all research started in coming year
  - Project falls under the 30 month timeline
- **B Priority** - projects started as $$ allows
  - No strict adherence to 30 month timeline
- **C Priority** - will not be researched w/o outside support
- **Not nominated:** D = 1st yr; E = 2nd yr; F = 3rd yr
  - Projects removed from active consideration after 3 years

**30 month timeline** – time from start of project to submission to the US EPA
The IR-4 Research Priorities

Priority considerations:

• Products for specific pest management problems
• Products for specific crop protection gaps
• Fit into IPM program
• Reduced risk products

Must have some documentation that they work and do not harm the crop

Performance studies must receive A Priority at the Food Use Workshop
Nominations Process

Project must be nominated or it will not be discussed at IR-4 Food Use Workshop

List of projects for nomination posted
August 17, 2012 (http://ir4.rugers.edu)
Ends August 30

Nominations can be submitted:
- On the website
- Through State Liaison Representative
- Or call Regional Field Coordinator
First Nominations Page

• Select discipline

New requests are added as they come in and can be nominated at a later date
Discipline Page

Arranged by Crop Group (1-20)
1. Root & tuber veg.
9. Cucurbits
11. Pome fruit
12. Stone Fruit
13-07 Berry and Small Fruit
19. Herbs
20. Oil seed
Miscellaneous

Scroll to Crop Group of Interest

Check A, B or C column

---

<table>
<thead>
<tr>
<th>Prmum (Priority)</th>
<th>Pesticide (MFG)</th>
<th>Commodity (Crop Group)</th>
<th>Reason for Need</th>
<th>Performance Data Available</th>
<th>Req States</th>
</tr>
</thead>
<tbody>
<tr>
<td>10056 C</td>
<td>PYRAFLUFEN-ETHYL (NAI)</td>
<td>TURNIP (ROOTS &amp; TOPS) (01AB = ROOT SUBGROUP)</td>
<td>BROADLEAF WEEDS</td>
<td>YES</td>
<td>AR</td>
</tr>
<tr>
<td>10066 C</td>
<td>THOBENCAR (VALEN'T)</td>
<td>TURNIP (ROOTS &amp; TOPS) (01AB = ROOT SUBGROUP)</td>
<td>ANNUAL GRASSES, BROADLEAF WEEDS</td>
<td>YES</td>
<td>AR</td>
</tr>
<tr>
<td>01921 C</td>
<td>FLUAZIFOP-P-BUTYL (SYNGEN)</td>
<td>ENDIVE (04A = LEAFY GREENS SUBGROUP)</td>
<td>GRASS CONTROL</td>
<td>NO</td>
<td>AR OH SC</td>
</tr>
<tr>
<td>19032 B</td>
<td>PYRAFLUFEN-ETHYL (NAI)</td>
<td>SPINACH (04A = LEAFY GREENS SUBGROUP)</td>
<td>WEEDS</td>
<td>YES</td>
<td>AR KY TX</td>
</tr>
</tbody>
</table>
Provide Guidance on Priorities

• Nominated projects posted on IR-4 website in early September

• Communicate your top priorities to someone who can champion that need at the IR-4 Food Use Workshop
  – NE Regional Field Coordinator
  – State Liaison Representatives

• Join conference call to discuss northeast priorities (first week in September)

• Support your local researchers for product efficacy and phytotoxicity data for PCR’s
Contact Information

Mid Atlantic State Liaison Representatives:

Brian Kunkel
- University of Delaware

Ed Beste
- LESREC, University of Maryland

Greg Krawczyk
- Penn State

Harvey Reissig
- Cornell University

Rakesh Chandran
- West Virginia University

Cesar Rodriguez-Saona
- Cranberry/Blueberry Research, Rutgers
Contact Information

- Edith Lurvey, NE Regional Coordinator
  email: ell10@cornell.edu
  Tel. No.: 315-787-2308

LET ME KNOW IF YOU WOULD LIKE TO BE ADDED TO MY E-MAIL LIST