



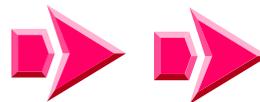
IR-4 and International Biopesticide Registrations for Specialty Crop Agriculture

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USDA IR 4 State Land Grant Universities

IR-4 is the only Publicly funded program that conducts research and submits petitions to EPA for tolerances/clearances (Prepare dossiers)





Biopesticide Program Management

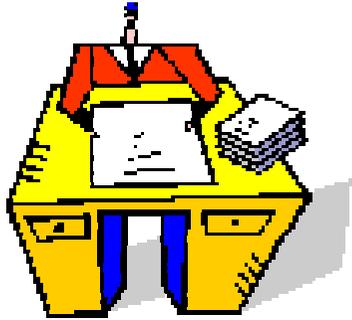
- Biopesticide Grant Program
- Regulatory Assistance

Products Types

Microbial, Biochemicals, Pheromones



Grant to Label Process



Proposal Review



Petition Prep



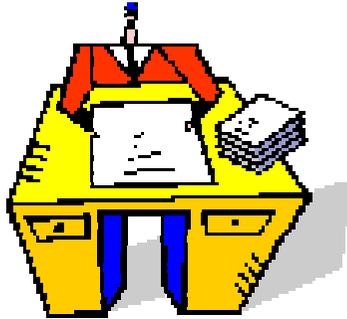
Field Phase



Submission to EPA



Regulatory assistance



Free Service

Review Requests- **Public sector**

New Active Ingredients ▲

Scientist, Lawyer, Businessman

Formatting documents

Government Forms

Label Modification

Communication, Negotiation

Toxicology review



Product registration



The petition is sent to EPA

where it is reviewed



If everything is in order a registration follows



A new product is now available for specialty crop use

Recent **Regulatory** Work

Reynoutria sachanilensis (REYSA) Milsana
KHH BioScience USA. For powdery mildew
and Botrytis control in ornamentals and
some food crops. Also registered as “Plant
Strengthenener” in Germany

Recent **Regulatory** Work

Varroa mite

➤ Registration

Api-Life VAR

Chemicals LAIF

Italy

Thymol



Recent **Regulatory** Work

Control paste- *Chondrostereum purpureum* Bioherbicide in forestry.
Prevent the regrowth of cut tree stumps.

University of Victoria- Canada

Recent **Regulatory** Work

- Dutch Trig (Verticillium isolate WCS 850)
Hyaline mutant- Protection against Dutch
Elm Disease- BTL Netherlands

Recent **Regulatory** Work

ZYMV- Weak strain

Bio-Oz Israel

Priming of plant defense system-RNA post transcription silencing.

Protects against the virulent strain ZYMV.



Contact Information

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[http://ir4.rutgers.edu/Biopesticides/EarlyAdvDemo
GuidelinesForms-2007.doc](http://ir4.rutgers.edu/Biopesticides/EarlyAdvDemoGuidelinesForms-2007.doc)

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