USDA DRAFT 2005-2006 Transition Plan for Soybean Rust and Other Legume Pests

Bill Hoffman, CSREES National Program Leader (Ag Homeland Security)
CSREES Mission

- CSREES' unique mission is to advance knowledge for agriculture, the environment, human health and well-being, and communities by supporting research, education, and extension programs in the Land-Grant University System and other partner organizations.

- USDA/CSREES, USDA/RMA, & the Southern Region Integrated Pest Management Center (SRIPMC) at NCSU recently signed a cooperative partnership agreement that will provide funding for soybean rust activities in 2006
2005-2006 USDA Transition Priorities

• Continue to provide soybean rust information and diagnostic services to stakeholders at or above 2005 levels
  • Timely information to assist soybean grower decision making
  • Proper communication channels w/ government stakeholders
  • Quick turnaround diagnostic services at nominal cost
  • Improve functionality of current system through added risk management documentation tools

• Decrease APHIS involvement in national soybean rust management
  • Transition these responsibilities to the LGU/Cooperative Extension System, with CSREES as federal partner

• Improve functionality of current system through added crop/pest combinations
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Separate Management Paths for SBR and Expansion

• SBR management path should favor measured transition of national leadership responsibility from APHIS/PPQ to the SRIPMC; as opposed to fast transition or outright handoff
  • Shows deference to order of previously mentioned priorities
  • Helps to ensure high level of service and improved risk management documentation as highest priorities
  • Acknowledges that the movement of national leadership responsibility from APHIS to LGU/Cooperative Extension System represents substantial but surmountable challenge
  • Additional risk management utility will be incorporated into this management path

• Crop/pest expansion management path will be led by the SRIPMC
2006 Soybean Rust Services Management Path

• APHIS (Coanne O’Hern) & SRIPMC (Jim VanKirk) personnel will have national co-leadership of [www.sbrusa.net](http://www.sbrusa.net) components
  – FY 2006 funding for sentinel plots, mobile teams, diagnostics, IT Operations via ZedX, & educational programming will be routed through the SRIPMC through RMA/CSREES/NCSU partnership agreement (under the federal oversight of CSREES: Hoffman, Fitzner, Cardwell, Otto)
  – Coanne has agreed to remain involved as co-leader and train the SRIPMC

• Julie Golod, an APHIS funded employee at Purdue, will continue to serve as data manager
  – Will continue to work with independent scouts, industry, & ensure smooth data movement through the system

• Joe Russo at ZedX will continue to provide meteorology and modeling expertise as well as manage the [www.sbrusa.net](http://www.sbrusa.net) website
  – Will work with SRIPMC & RMA to develop additional SBR risk management documentation functionality
2006 SBR Sentinel Plot Strategy

• Plan for strategic distribution of sentinel plots (attached)
  – Developed by Don Hershman (UKy), Erick DeWolf, Glen Hartman (ARS), Loren Geisler (UNb)
  – Science based plan driven by disease forecasting needs
  – 349 soybean rust plots total
  – Additional 30 in non SR states to address added crop/pest combinations
  – Funding for each plot based on “monitoring weeks”
  – Shared with specialists at 10/20-21 meeting in Quincy, FL
    • Included Coanne O’Hern & Roger Magarey ofAPHIS, Monte Miles of ARS, & additional LGU scientists
  – Would welcome input from other stakeholders groups, at or after the APS Soybean Rust Symposium

• As SBR is not a federally regulated (quarantine) pest, post-detection management of SBR in sentinel plots is a state issue
  – LGU and ARS scientists are doubtful that small plots would be a significant contributor to the spread of SBR
  – However current science cannot completely rule out all risk to adjacent fields if the disease is left to develop in these plots
Approximate 2006 Budget Breakdown of CSREES/RMA/NCSU Agreement

<table>
<thead>
<tr>
<th>Activity</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sentinel Plots</td>
<td>1,000,000</td>
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<tr>
<td>(349 SBR, Few Alternative Crop/Pest Combinations)</td>
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<tr>
<td>Diagnostics</td>
<td>800,000</td>
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<tr>
<td>(SBR Sampling @ Nominal Cost, Quick Turnaround)</td>
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<tr>
<td>Monitoring</td>
<td>185,000</td>
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<tr>
<td>(Mobile Teams, Aerobiology, Alternate Host)</td>
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<tr>
<td>Education</td>
<td>150,000</td>
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<tr>
<td>(Electronic &amp; Printed Materials, Stakeholder Workshops)</td>
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<tr>
<td>IT Subcontracts</td>
<td>125,000</td>
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<tr>
<td>(PSU &amp; ZedX)</td>
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<tr>
<td>NCSU Management</td>
<td>42,000</td>
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<tr>
<td>(Time, Travel, Supplies, Other Direct Costs)</td>
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More detailed information is available.

We welcome your questions & comments!

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