Funding Opportunities for Biobased Products

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National Program Leader

USDA National Research Initiative
Enhancing Value and Use of Agricultural and Forest Products

- Improving Food Quality (71.1)
- Improved Utilization of Wood and Wood Fiber (73.0)
- Biobased Products and Bioenergy Production (71.2)
Enhancing the Competitive Value of US Agriculture

Accomplished Through:

- Development of New Products
- Improving Existing Products
- Increasing Process Efficiency
- Greater Use of Co-Products and Waste Materials
Value-added Products:
Biobased Products and Biofuels Production

- **Biobased industrial and consumer products**
  improved methods for producing existing non-food products and developing new (industrial) uses for agricultural commodities

- **Biofuels research**
  Focus on pretreatment, conversion, and product recovery steps that limit technical and economic efficiency of biological production of fuel.
2003 Proposal Submissions

- Chemical/Enzyme/Feed Production
- Materials Development
- Process/Engineering Technology
Chemical/Enzyme/Feed Production

- Biofuels (ethanol, biodiesel, hydrogen, etc.)
- Value-Added Chemicals/Co-Products
- Natural Products and Nutraceuticals
- Enzyme Production and Improvement
- Feed Improvement
Materials Development

- Composites and Plastics
- Coatings/Films/Adhesives & Foams
- Fibers and Textiles
- Emulsifiers/Surfactants/Lubricants & Gels
- Paper/Pulping/Panel & Board Products
Process/Engineering Technology

- Separations/Extractions
- Fermentation/Reactor Design
- Waste Processing and Treatment
2003 Proposal Submissions

- Process, Engineering Technology: 19%
- Materials Development: 32%
- Chemical, Enzyme, Feed Production: 49%
2003 Proposal Awards

- Process, Engineering Technology 41%
- Chemical, Enzyme, Feed Production 41%
- Materials Development 18%
## Enhancing Value and Use of Agricultural and Forest Products - 2003

<table>
<thead>
<tr>
<th>Program Area</th>
<th>Proposals, #</th>
<th>Awards, #</th>
<th>Awarded, $M</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio-products</td>
<td>111</td>
<td>18</td>
<td>2.80</td>
</tr>
<tr>
<td>Improved Wood</td>
<td>95</td>
<td>18</td>
<td>1.95</td>
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</tbody>
</table>
## Success Rates and Average Sizes in FY 2003

<table>
<thead>
<tr>
<th>Program</th>
<th>Success Rate, %</th>
<th>Avg. Size, $</th>
<th>Avg. Duration, Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio-products</td>
<td>16</td>
<td>182,000</td>
<td>2.3</td>
</tr>
<tr>
<td>Improved Wood</td>
<td>19</td>
<td>127,000</td>
<td>2.4</td>
</tr>
</tbody>
</table>
NRI APPROPRIATIONS
1991 TO 2003

Funding Year

Funding in Millions

$0 $50 $100 $150 $200 $250 $300 $350 $400 $450 $500


$73.0 $97.5 $103.1 $101.0 $97.2 $119.3 $119.3 $106.3 $120.5 $160.0
2004 NRI Update

• 2004 RFA
• Awards will range from $300K- 1.5M for 2-4 years of support
• Issue based funding
INTERNET SITES OF INTEREST

- USDA: www.usda.gov
- CSREES: www.reeusda.gov
- NRI: www.reeusda.gov/nri