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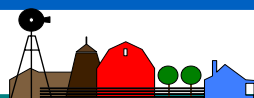
**USDA**

# **Funding Opportunities for Biobased Products**

Chavonda Jacobs-Young, Ph.D.

*National Program Leader*

*USDA National Research Initiative*



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# Enhancing Value and Use of Agricultural and Forest Products

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- ❖ **Improving Food Quality (71.1)**
- ❖ **Improved Utilization of Wood and Wood Fiber (73.0)**
- ❖ **Biobased Products and Bioenergy Production (71.2)**



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# Enhancing the Competitive Value of US Agriculture

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## ***Accomplished Through:***

- Development of New Products
- Improving Existing Products
- Increasing Process Efficiency
- Greater Use of Co-Products and Waste Materials

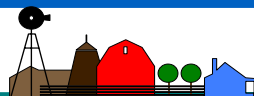


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# Value-added Products: Biobased Products and Biofuels Production

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- **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.



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# 2003 Proposal Submissions

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



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# Chemical/Enzyme/Feed Production

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



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# Materials Development

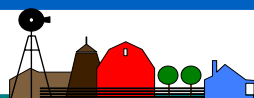
- Composites and Plastics
- Coatings/Films/Adhesives & Foams
- Fibers and Textiles
- Emulsifiers/Surfactants/Lubricants & Gels
- Paper/Pulping/Panel & Board Products



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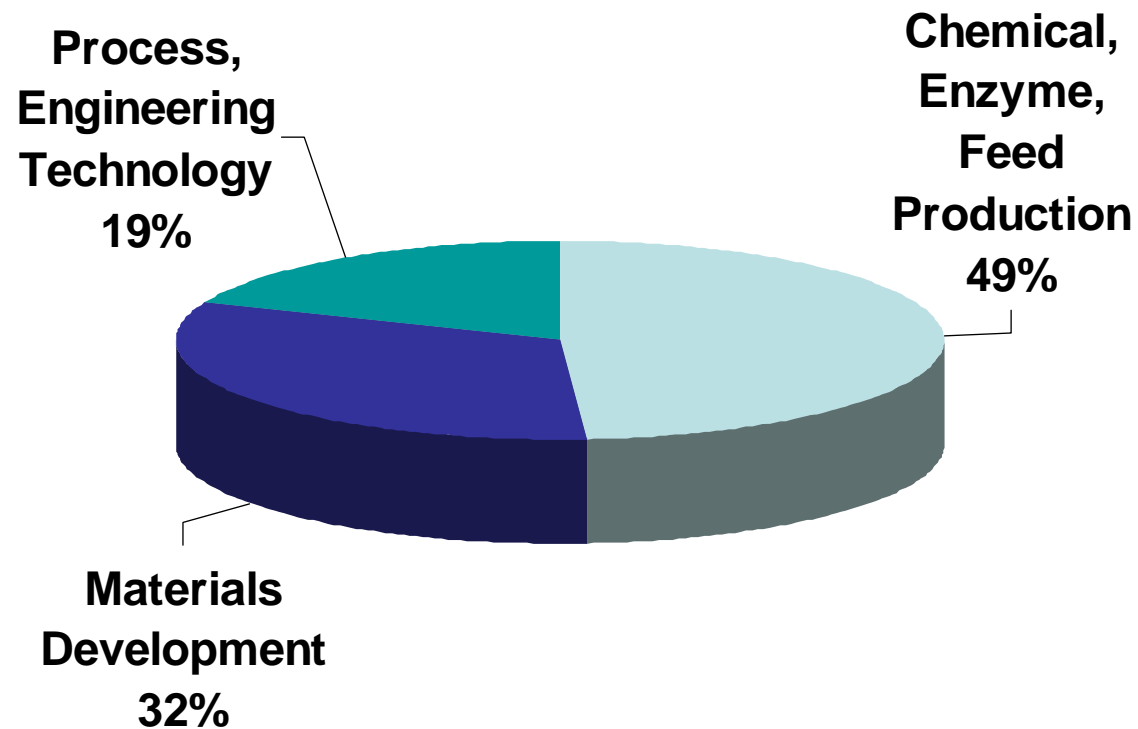
# Process/Engineering Technology

- Separations/Extractions
- Fermentation/Reactor Design
- Waste Processing and Treatment



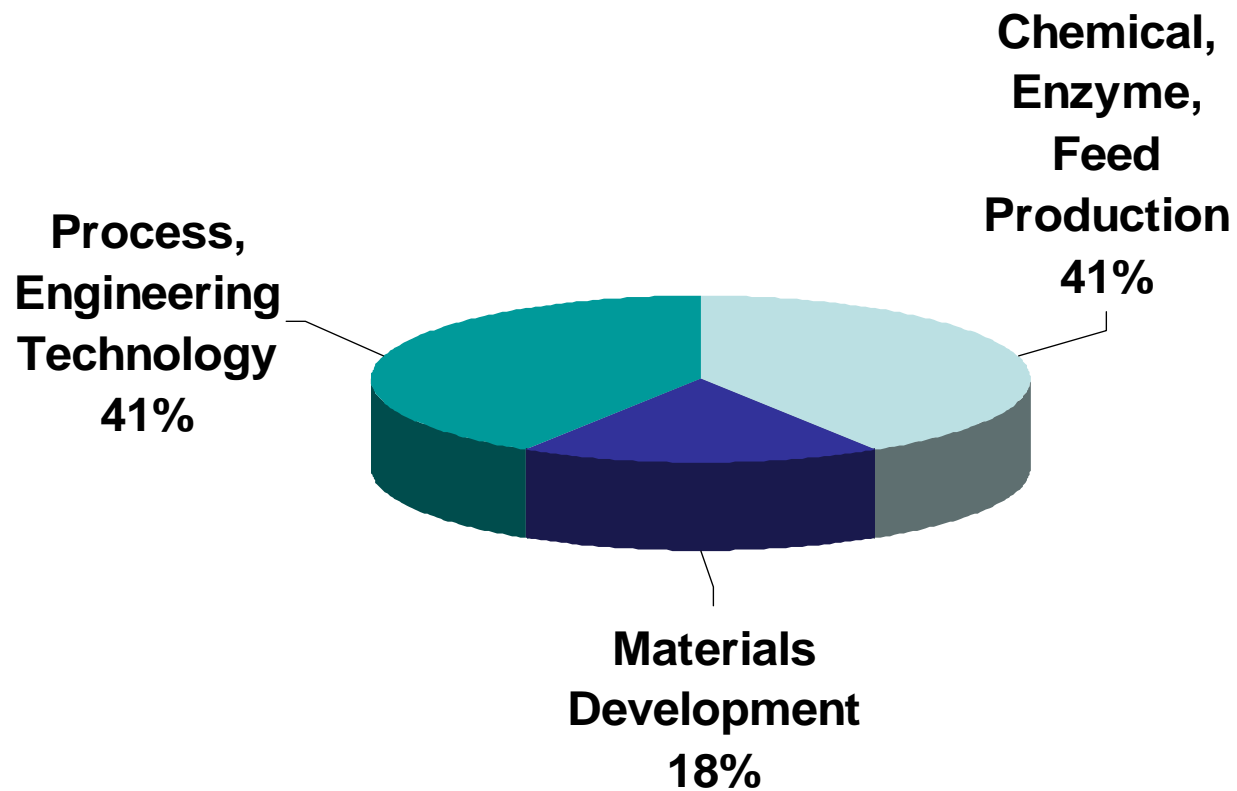
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# 2003 Proposal Submissions



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# 2003 Proposal Awards



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# Enhancing Value and Use of Agricultural and Forest Products - 2003

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Program Area	Proposals, #	Awards, #	Awarded, \$M
Bio-products	111	18	2.80
Improved Wood	95	18	1.95

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# Success Rates and Average Sizes in FY 2003

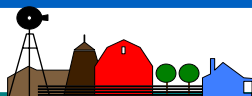
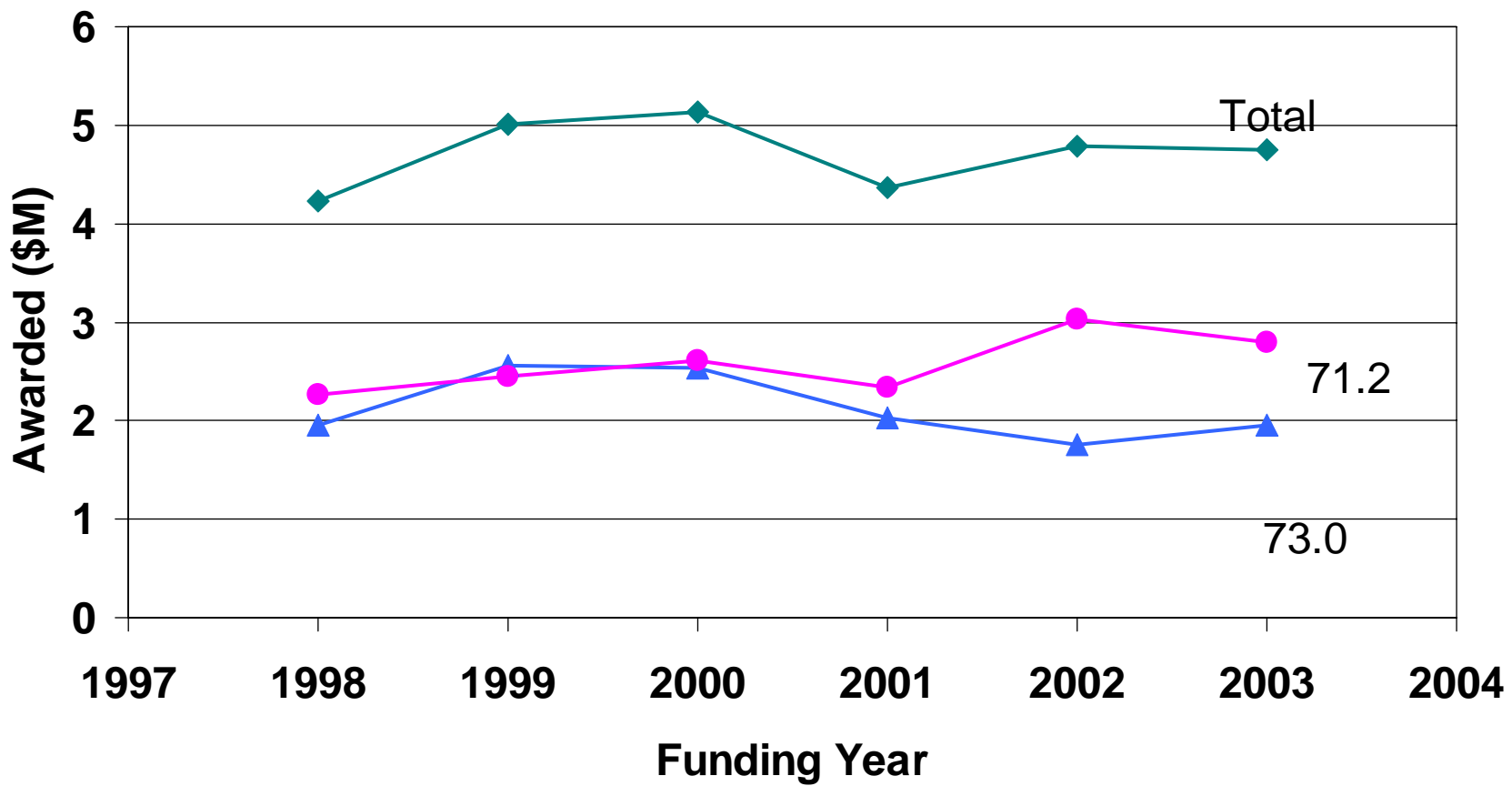
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Program	Success Rate, %	Avg. Size, \$	Avg. Duration, Y
Bio-products	16	182,000	2.3
Improved Wood	19	127,000	2.4

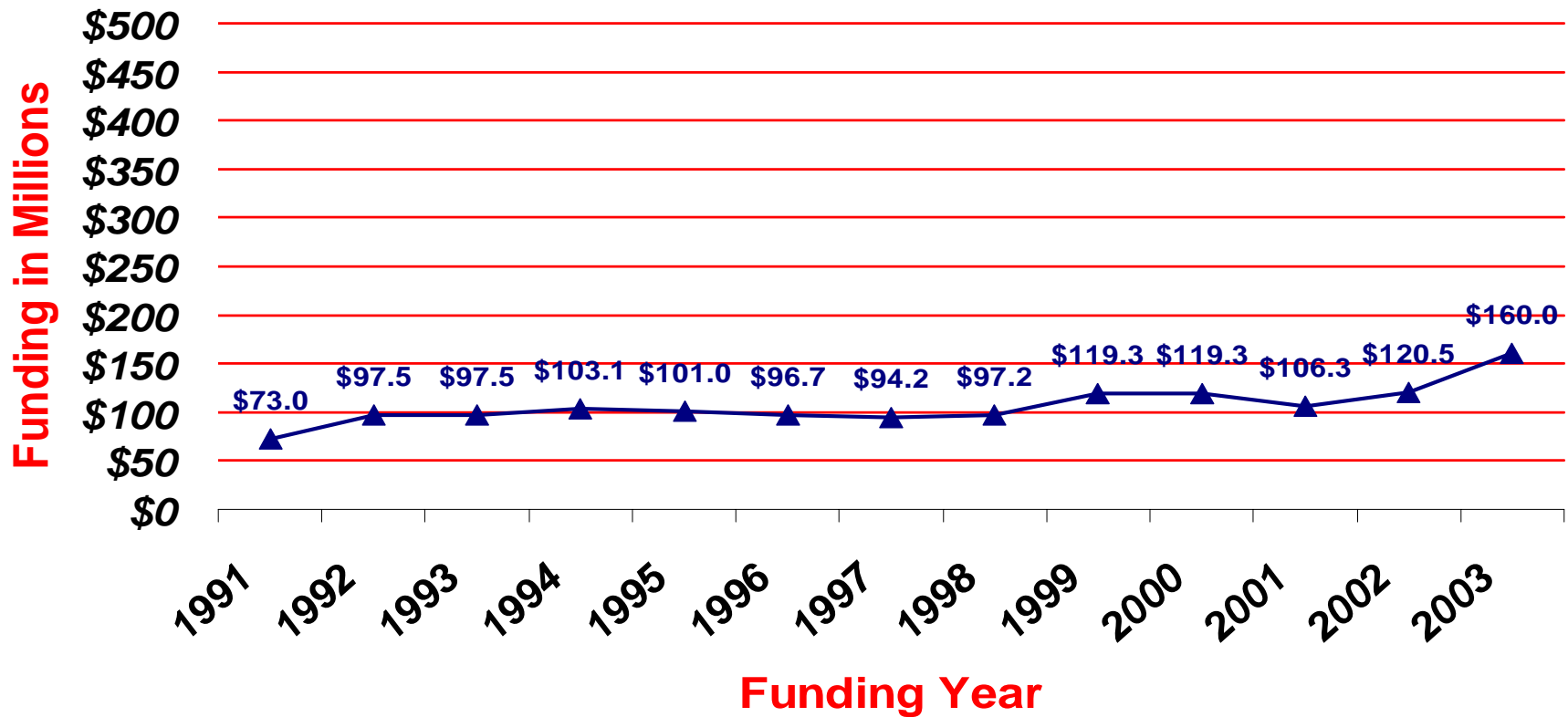
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# NRI APPROPRIATIONS 1991 TO 2003



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# 2004 NRI Update

- 2004 RFA
- Awards will range from \$300K- 1.5M for 2-4 years of support
- Issue based funding



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# INTERNET SITES OF INTEREST

- USDA: [www.usda.gov](http://www.usda.gov)
- CSREES: [www.reeusda.gov](http://www.reeusda.gov)
- NRI: [www.reeusda.gov/nri](http://www.reeusda.gov/nri)

