SBAR

Sustainable Bioeconomy for Arid Regions

Kimberly Ogden University of Arizona

TAC Panel 11/15/17



















Resin

285,000 MT/yr

Bio-fractionation Products Market Size Natural Rubber Natural Rubber \$3.10 kg⁻¹ 440,000 MT/yr **Bio-Jet** Bagasse \$3 gal⁻¹ 3.65 Million MT/yr

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Adhesives (10 billion), Tackifiers (billions), Fragrances (billions), Pharmaceutical (100s billion)



Feedstock:	Guayule				Region: AZ/SW US
FSRL Scoring Summary	Production	Market	Policy	Rubber Conversion	Linkage to Conversion
Current Status	6.2	5.3	4.2	4.3	4.3
Anticipated Status	7	6.2	5.4	7	6









Impacts

Center of Excellence

- Add value to the bioeconomy for rural, arid regions through production of rubber, fuel, guar gum, and high value products
- Long term sustainability of water usage in Southwest through cultivation of drought resistant crops
- Increase student diversity in STEM fields



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