BioRefineries for Florida:  
PRODUCING BIO-FUELS AND CHEMICALS

CELLULOSIC BIOMASS RESEARCH, DEVELOPMENT AND EXTENSION

Feedstock Research and Development

- Advanced growing systems
- Increased yield
- Improved processing efficiency
- Genetic breeding
- Species identification and comparisons

Extension Education

CONVERSION TECHNOLOGY

Facilities

The Stan Mayfield Biorefinery Pilot Plant

UF/IFAS Extension Education

Feedstock Research and Development

- Advanced growing systems
- Increased yield
- Improved processing efficiency
- Genetic breeding
- Species identification and comparisons

UF INDUSTRY PARTNERS

RENEWABLE PRODUCTS

Biofuels
Bioplastics and Biosolvents
Can replace 50-75% of products derived from petroleum

Ethanol
Organic Acids - Lactic Acid (Poly-L and Poly-D) and Succinic Acid
Sample applications:
Bioplastics & biosolvents, Food/feed additives, Medicine/drugs Cosmetics, Agro-chemical, Textiles

BENEFITS TO FLORIDA

- Stimulates Florida’s economy from domestic bio-industries
- Improves quality of life from new biobased technology and processes
- Decreases dependency on oil imports

UF INDUSTRY PARTNERS

FLORIDA CENTER FOR RENEWABLE CHEMICALS AND FUELS