



Butanol — A Superior Biofuel

What is this technology?

Production of a superior biofuel, butanol, from wheat straw

What is this research project?

- Butanol is a superior biofuel that can be used in internal combustion engines.
- Its energy content (110,000 Btu/gal) is close to gasoline (114,800 Btu/gal).
- Butanol can be produced from corn and molasses.
- This project involves production of butanol from agricultural residues.

What problem does it address?

- Economically available agricultural residues can be used to produce butanol.
- Use of agricultural residues is expected to improve economics of butanol production by fermentation.

How is the project different from or how does it enhance other projects?

- This project is different from other projects as it utilizes agricultural biomass for biofuel production.

Who are the potential customers?

- United States public and the biofuel industry can benefit from this technology.

Stage of Development

- The process of butanol production from wheat straw is being scaled up to larger bioreactors.

Moving Forward

- Scale up to a larger scale is required for commercialization.
- We would be looking for industrial partners to scale up this technology.

Contact Information

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