



**eco-sol**

**Renewable Energy Through  
Sustainable Agriculture**

[www.ecosolgroup.com](http://www.ecosolgroup.com)



*Eco-Sol and its subsidiary Southwestern Agricultural Technologies provide a unique integrated approach to renewable energy and sustainable agriculture, while providing truly environmentally friendly solutions when compared to currently accepted “Green” industry practices. Through pursuit of enabling technologies and oil producing crops Eco-Sol is poised to become a major player in the growing biofuels industry.*

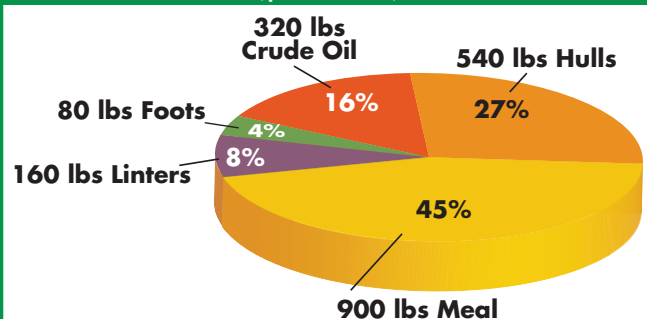


Our commitment is to reduce costs by eliminating unnecessary processing, transportation, and chemicals, while minimizing our environmental impact and carbon footprint. This is done by carefully selecting oilseed feedstocks from area and climate suitable ecosystems while reducing the water and energy used in production. Through cooperative agreements with local gins, mills and farmers, we will provide a locally grown, low maintenance/low input source of raw material. By locating at the points where raw materials are gathered and distributed, Eco-Sol minimizes the fossil fuels used in transport. Eco-Sol's manufacturing process and facilities will be powered by our biodiesel resulting in a nearly closed-loop energy system and a truly green production model with minimal waste and optimal efficiency.

Ready to launch its largest project to date, Eco-Sol has developed a proprietary process that will substantially raise the value of cottonseed, while producing as a by-product significant quantities of virgin oil feed stock for biodiesel

operations. Through a cooperative research agreement (CREDA) with the USDA Agricultural Research Service (ARS), Eco-Sol will work directly with growers and producers and help them close the carbon cycle through providing quality biodiesel specifically for the agricultural and non-highway use markets, as well as improving an undervalued crop by producing a vastly enhanced seed meal for the dairy industry. Initial pilot plant operations will be conducted at the USDA ARS Southwestern Cotton Ginning Research Lab in Las Cruces, New Mexico.

### Crushed Cottonseed Yield (per ton)



## Eco-Sol Offers:

- Proprietary processing techniques: truly green biodiesel production maximizing the use of renewable reactants, and catalysts which provide usable by-products thus eliminating waste, improving safety, and reducing environmental liabilities.
- World class board of advisors, industry and subject matter experts in dairy nutrition, chemistry, cotton ginning, plant genetics, agricultural production.



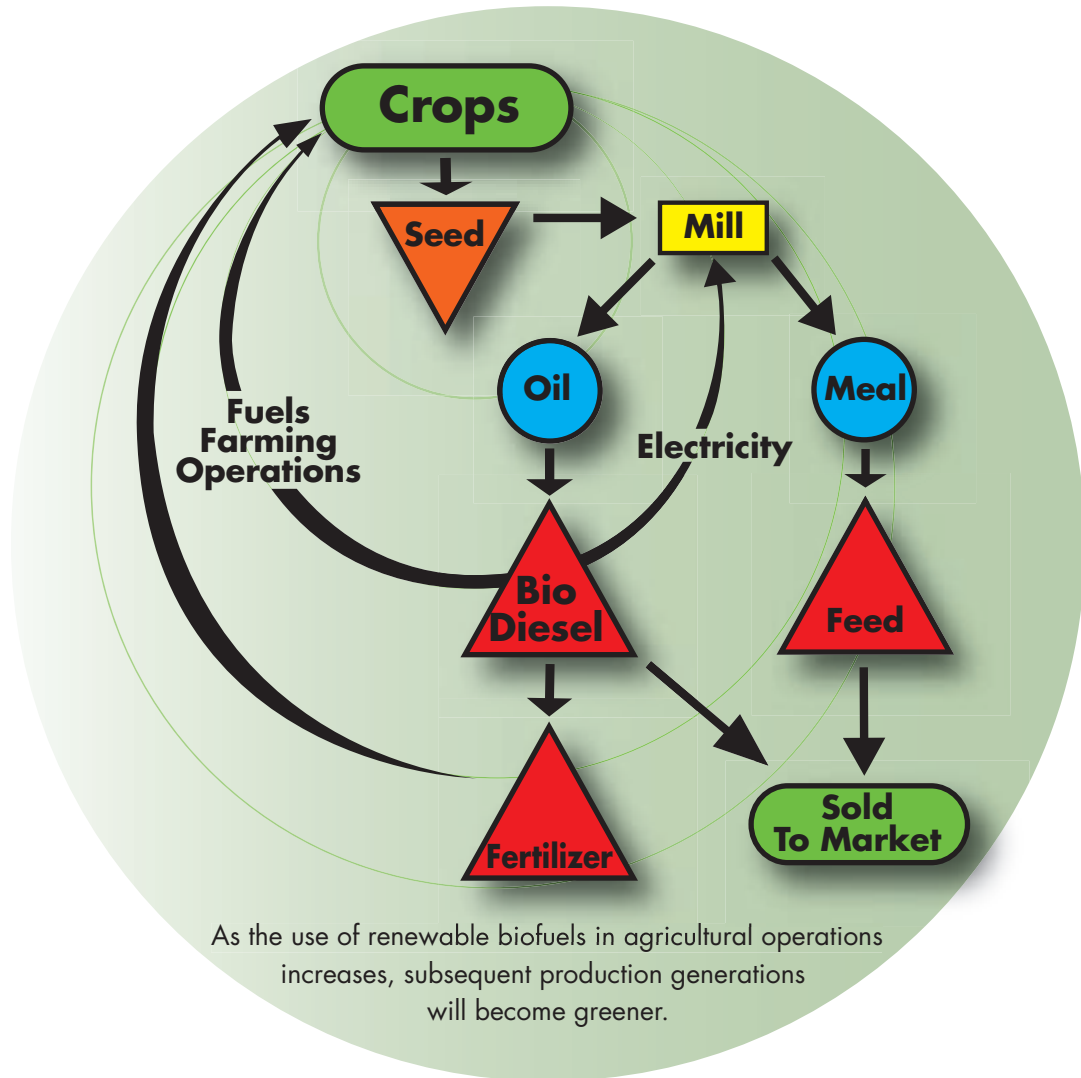
- Stand alone profitability of multiple product closed-loop operations. Eco-Sol's solid business model is not dependent on subsidies. Any subsidies available to us will be taken advantage of and will add to profits, but will not be the source of profitability.
- A clean burning renewable fuel source to help utility companies meet current and future renewable power mandates, at a lower capital cost than wind and solar.



- Proven techniques and results from production runs at Texas A+M University.
- Blind lab testing from top labs for Bypass Protein and Gossypol reduction. (UM, UC Davis, F.A.R.M.E. Institute, and Chandler Analytical).
- Support of local agricultural economies by working with farmers seeking alternatives to traditional crops due to drought and global market fluctuations. Eco-Sol is currently conducting field trials on alternative arid land crops in Southern Arizona.



## Closed-Loop Manufacturing Process



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