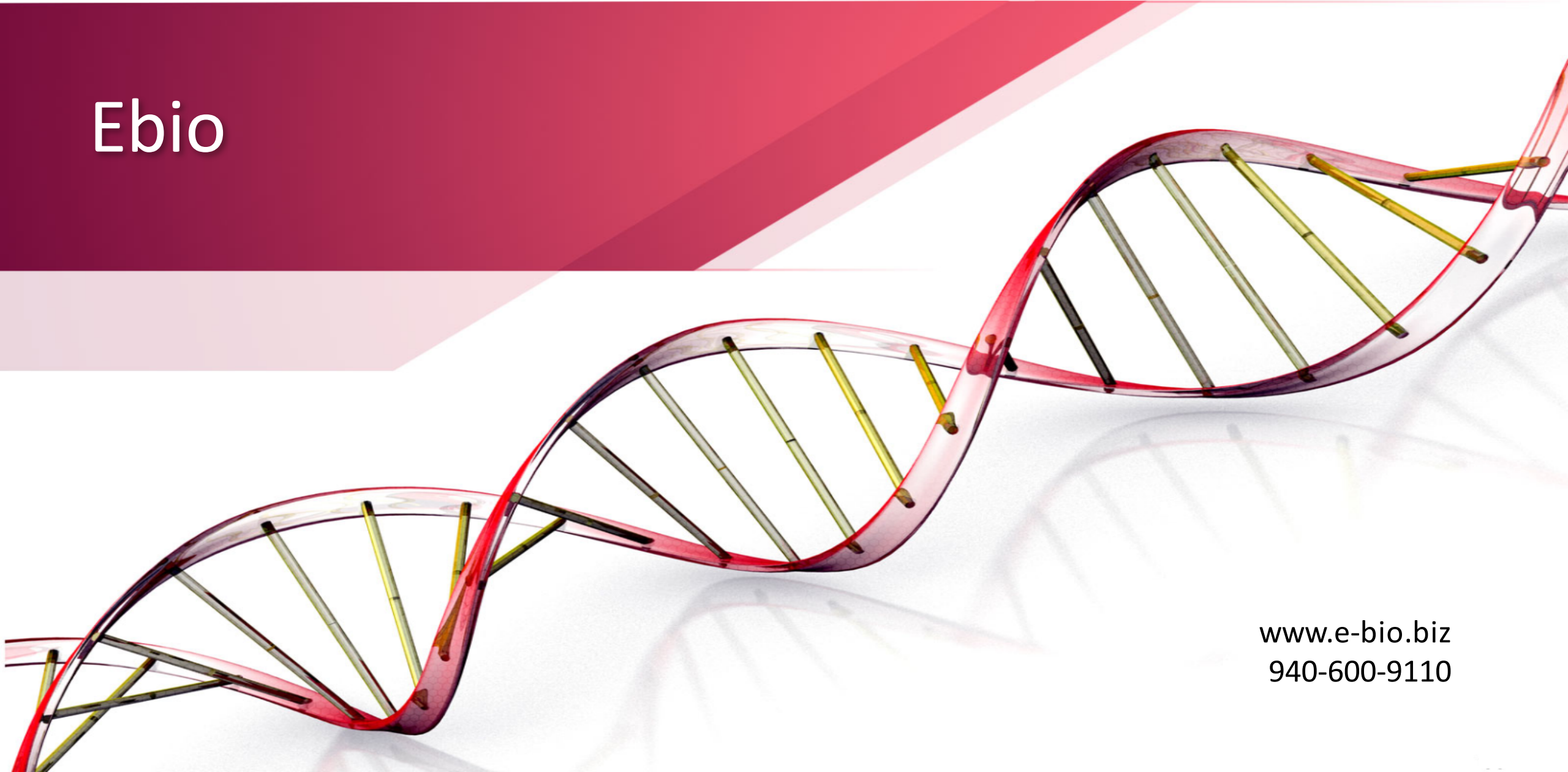


# Ebio



[www.e-bio.biz](http://www.e-bio.biz)  
940-600-9110



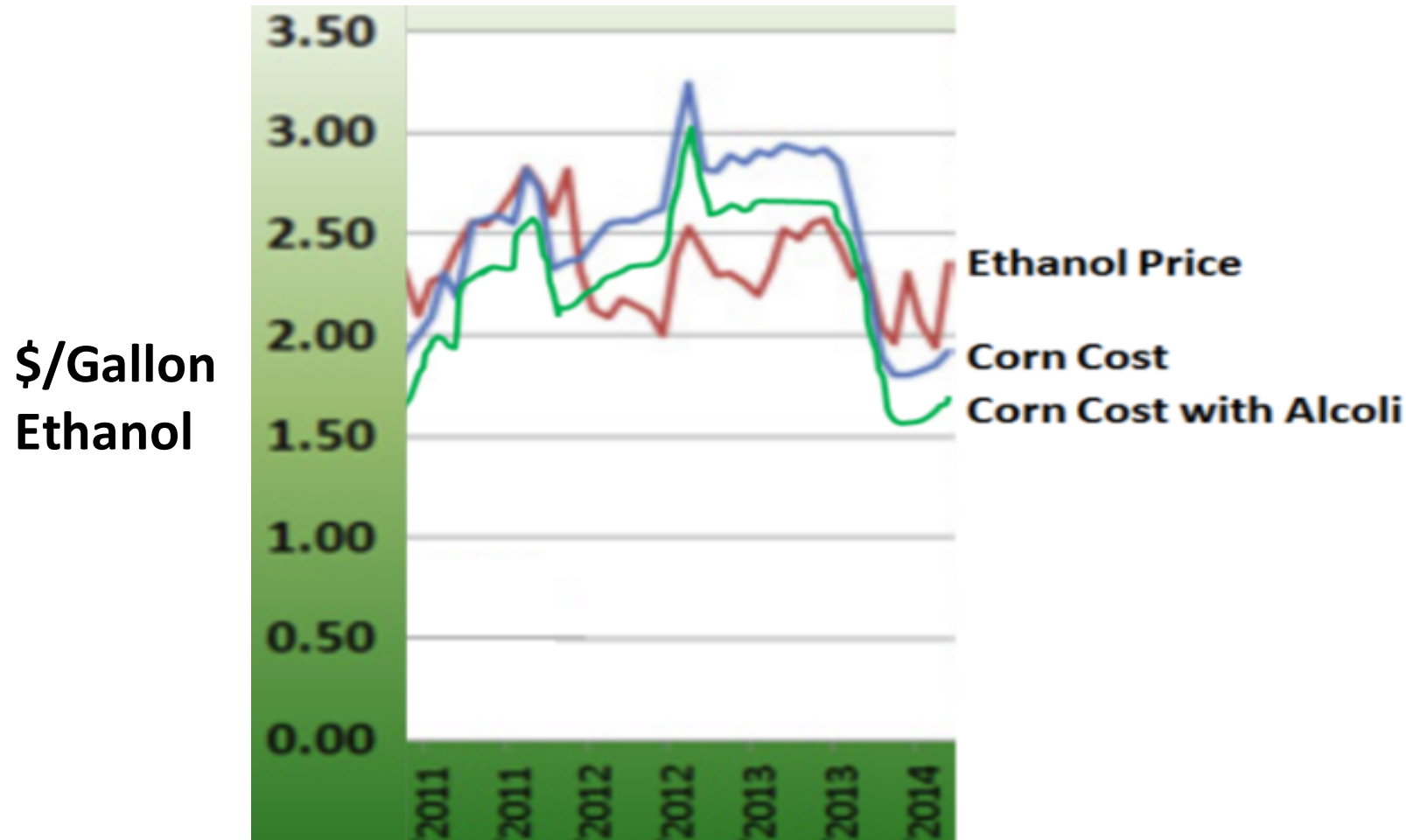
# Ebio Improves Profit of Ethanol Plants

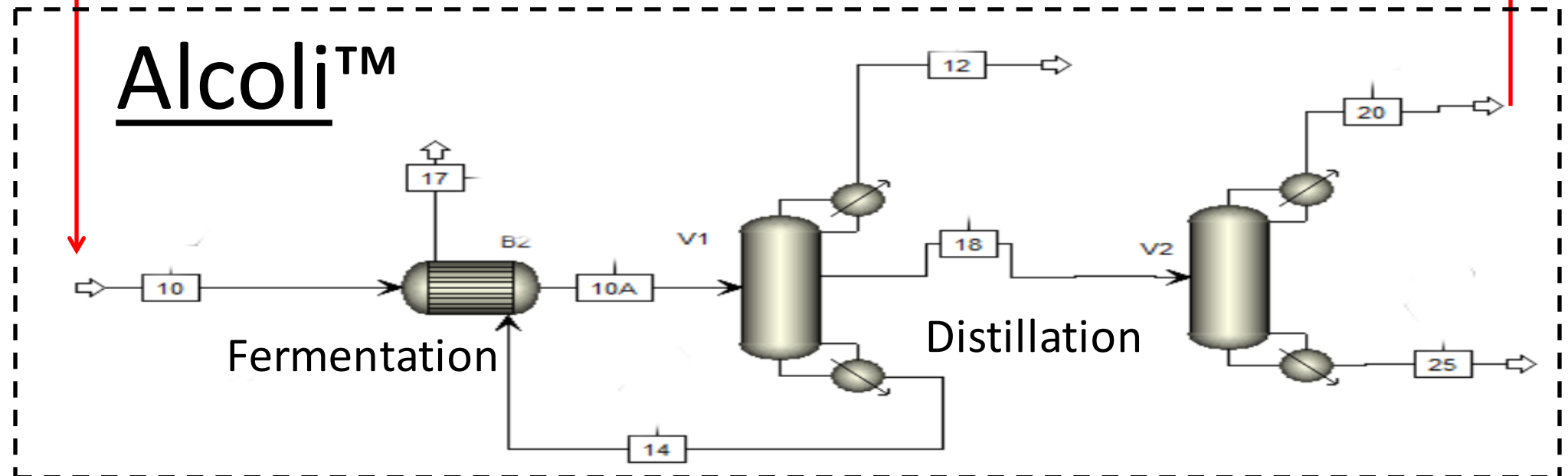
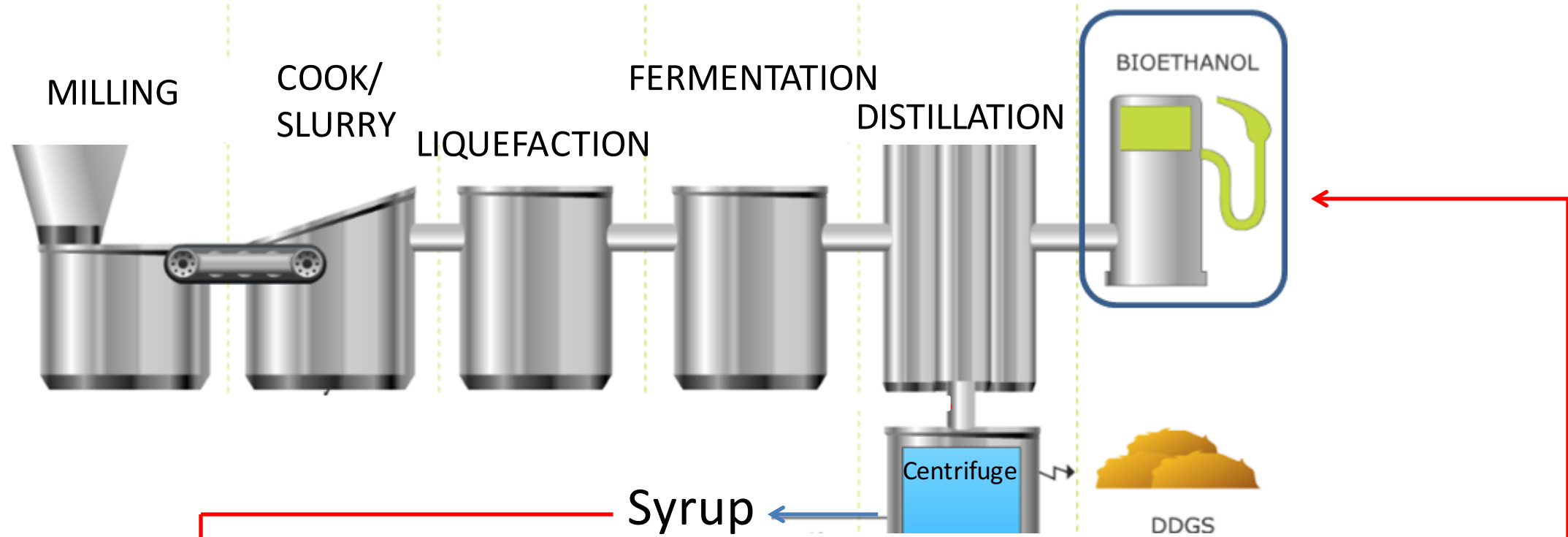
- Patented Alcoli™ process – engineered E. Coli converts fermented ethanol waste to advanced ethanol
- Increases ethanol production by 20% with no additional feedstock
- Minimal impact on DDGS (Distiller's Grain)
- Effective for corn, cellulosic & sugarcane ethanol
- Integrated into new plant designs or retrofitted into existing plants

**Improves efficiency, profit & environmental impact**

# Problem: Low Profit of Ethanol Production

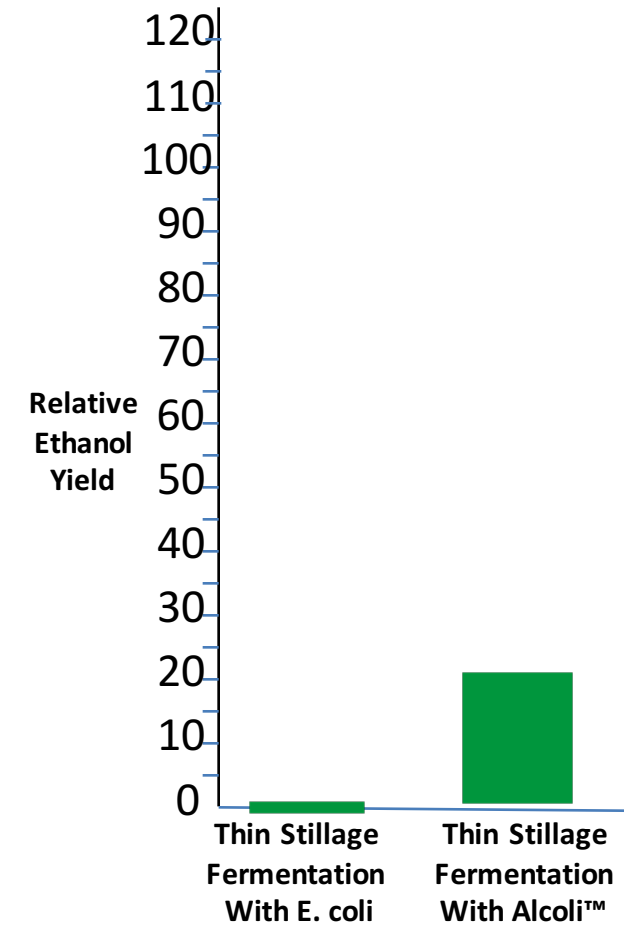
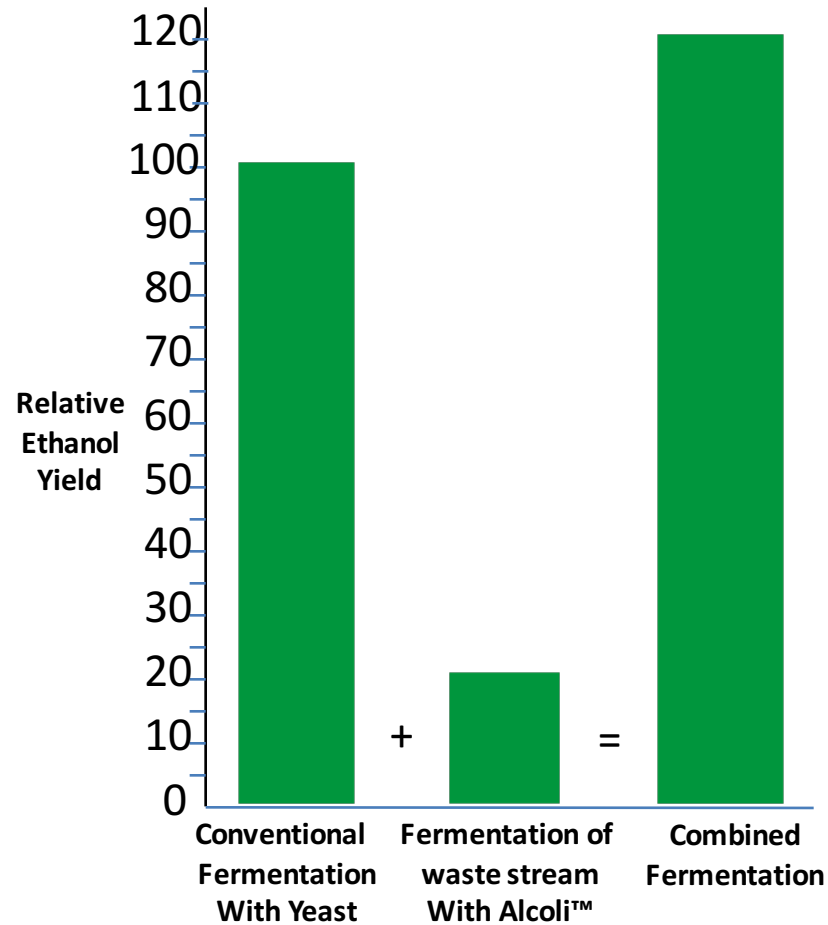
## Solution: Alcoli™ Decreases Corn Cost 28 ¢/Gal





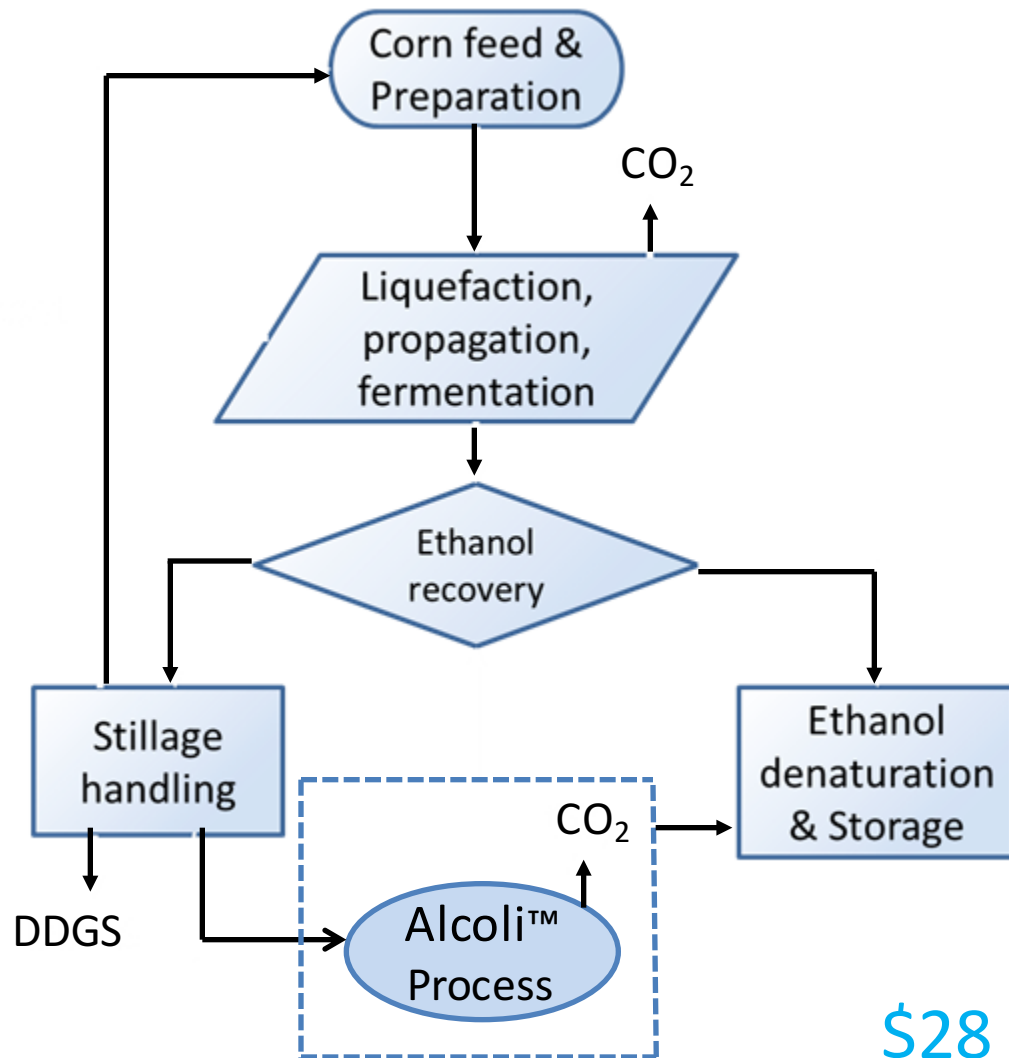


# Alcoli™ Fermentation of Thin Stillage (Syrup)



**20% increase in ethanol yield from waste stream**

# Alcoli™ Economics – 20% less feedstock



## Annually Without Alcoli™ Process

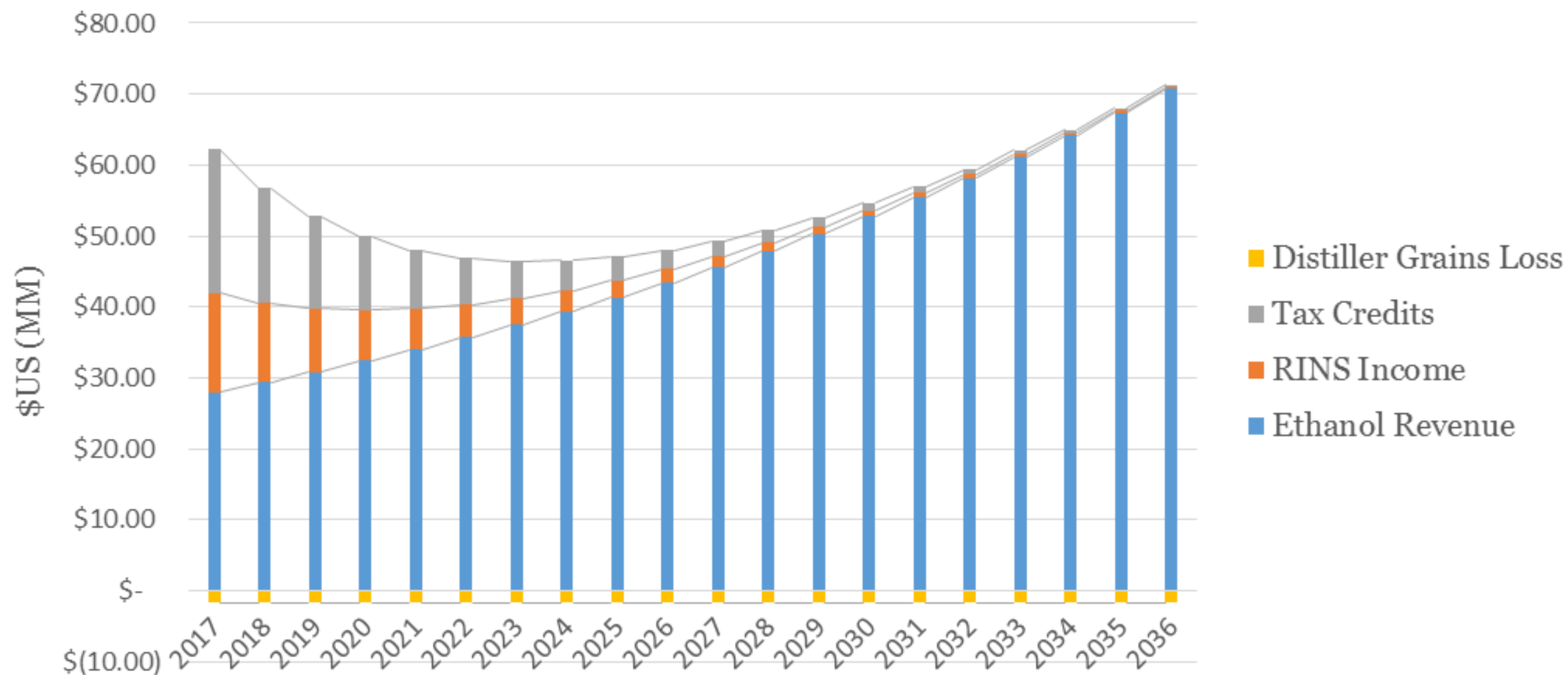
- 100 million gallons ethanol output
- 40 million bushels of corn input
- **\$123 million gross income**

## Retrofit With Alcoli™ Process

- 100 million gallons ethanol output
- 32 million bushels of corn input
- **\$151 million gross income**

**\$28 Millions in corn feedstock saving annually**

## Incremental Revenue Breakdown



# Competitive Advantages

## **Competition:**

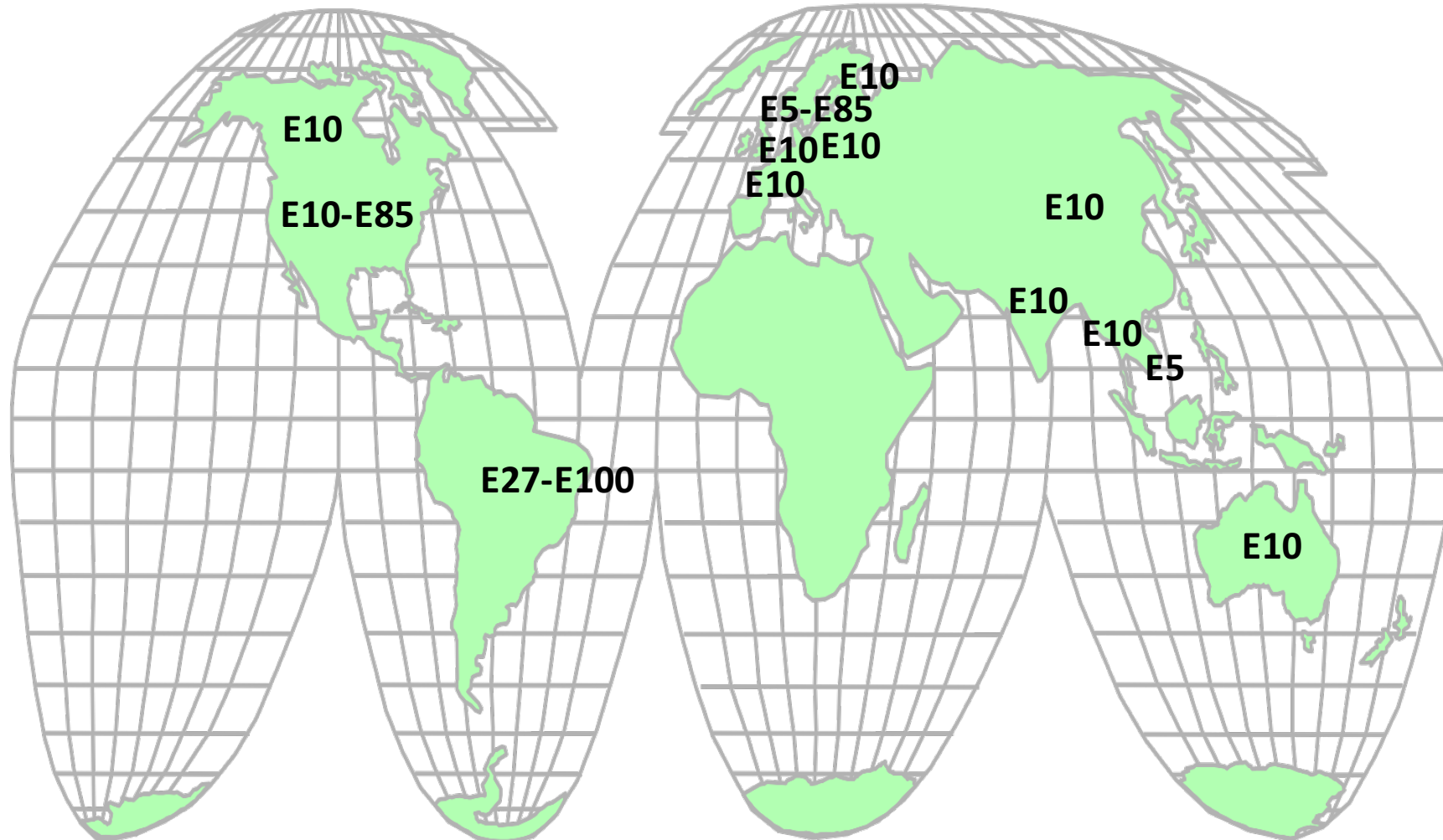
- 7% Increased Efficiency
- 3.5% Cellulosic Ethanol
- Payback 9 months
- Enogen engineered corn
- RINS of D3

## **Ebio:**

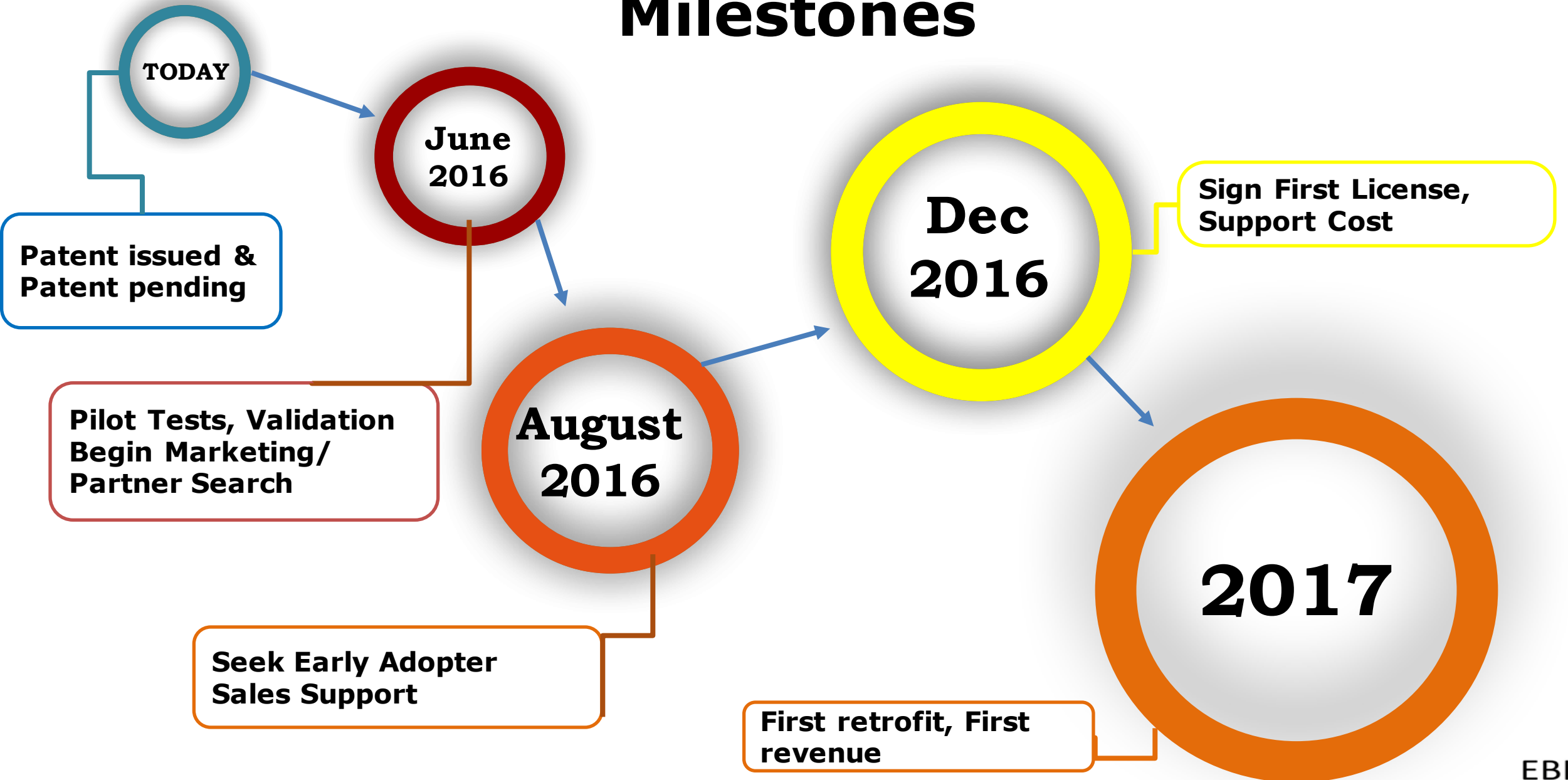
- 20% Increased Efficiency
- 20% Advanced Ethanol
- Payback 5 months
- Any feedstock
- RINS of D5



# Global Opportunity: 30 Bil. Gal/Yr Worldwide



# Milestones



## Management:

Ebio, LLC  
410 Pierce Street  
Houston, Tx 77002  
[Trent.Nguyen@e-bio.biz](mailto:Trent.Nguyen@e-bio.biz)  
Phone: 940-600-9110  
[www.e-bio.biz](http://www.e-bio.biz)



**Trent Nguyen, Ph.D.**  
President & CEO



**Martin Van Sickels**  
Sr. VP Operations.  
Former CTO at KBR.

## Advisory Board:



**Lawrence Kremer,  
Ph.D.**  
Formerly with  
Baker Hughes.



**Malcolm McNeill**  
Former CFO-  
Terrabon,  
Synfuels.



**Keith Thayer**  
Retired President  
and CEO at Stubbs  
Overbeck and  
Associates.



**Nick Tillmann**  
Director Energy  
Acceleration,  
Houston  
Technology  
Center.



**Ruben Derderian**  
Acceleration  
Director , Houston  
Technology  
Center. Retired  
entrepreneur.

# Go To Market Strategy

## Ethanol Partner

- Partner with ethanol producer in exchange for increased revenue sharing

## Venture Capital Partner

- Partner with venture capital firms in exchange for increased revenue sharing

# Summary

- Patented Alcoli™- converts fermented ethanol waste to advanced ethanol
- Increases ethanol production by 20% with no additional feedstock
- Minimal impact on DDGS (Distiller's Grain)
- Effective for corn, cellulosic & sugarcane ethanol

**Improves efficiency, profit & environmental impact**