

RECORDED BENEFITS

- Increased corn oil production by an average of 0.17 lbs per bushel, a 35% improvement on average
- Improved revenue per plant by an average of \$978,000
- Equal to or lower cost in use compared to competitive corn oil extraction aids
- Delivered an average of over \$693,000 profit dollars per plant net of DDGS

Solenis Demonstrates Consistent Delivery of Economic Return to Ethanol Plants

Dimension™ Corn Oil Extraction Aids

Improvement Opportunity

During the past few years, the coproduct corn oil has become an important revenue source for many fuel ethanol producers and is now recognized as major contributor to a plant's bottom line. Solenis, the innovation leader in corn oil extraction aids and associated services, was recently invited to help five ethanol plants (ranging from 35 to 110MM GPY of ethanol production) improve their corn oil yields.

Recommended Solution

Based on thorough system audits, Solenis proposed a specific Dimension corn oil extraction aid for each plant and worked with plant personnel to identify the best feed points and to develop a dosing and control strategy to maximize results. Solenis' strong R&D commitment delivered the right products, applications experts developed the optimal dosing strategies, and the local field service team customized the program for each site.

Results Achieved

The average improvement in profitability was in most cases significant. The five customers, noted in the charts below, shared their before and after performance data when comparing Solenis' corn oil extraction aid program to that of their previous supplier. Net pounds of corn oil produced as well as revenue increased while use in cost held steady or decreased, resulting in an average profit gain of \$693,000 at each plant net of DDGS.



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