Texas A&M AgriLife Center at Vernon and Foundation Seed

Measuring total economic impact at Vernon

The Texas A&M AgriLife Research and Extension Center at Vernon and Texas A&M AgriLife Foundation Seed generate considerable economic impacts to the 24-county rural area that comprises Texas A&M AgriLife District 3.

Total economic impact is the accumulation of economic impacts based on organizational spending on salaries, direct purchasing, and indirect spending recirculated through households.

Total Economic Impact 2017-2021

5-year total impact

$33,830,460

116 jobs in the community supported by Texas A&M AgriLife spending in addition to 87 jobs housed directly within AgriLife District 3 (I-O IMPLAN)

Potential economic impact from adopting research-driven solutions

The Texas A&M AgriLife Research & Extension Center at Vernon generates problem-solving knowledge through research.

Researchers collaborate with specialists and county agents to educate stakeholders on emerging solutions.

This sampling of research-driven solutions shows how initiatives of the Vernon Center could bolster financial sustainability among stakeholders.

COVER CROP BENEFITS

$38/ac./yr. increased crop access to nutrients

$12/ac./yr. decreased herbicide use

$7/ac./yr. decreased erosion, improved soil health

5x water infiltration increase due to improved soil health, according to data

12% cotton lint yield increase due to cover crop use on 1 million acres in the Rolling Plains

1,000 lbs. cotton lint per acre average in Rolling Plains

$70 *million* potential annual cotton revenue increase in Rolling Plains due to cover crop use

$3 *million* potential annual savings due to reduced irrigation pump needs from cover crop use in the Rolling Plains

COTTON SEEDING RATE STUDY

60% seed cost decrease compared to seed company recommendations due to 16,000 yield-optimized cotton plants per acre

Continued →

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Total Economic Impact 2017-2021

5-year total impact **$33,830,460**

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Irrigation termination research findings across Rolling Plains

Irrigation termination research conducted by the Texas A&M AgriLife Center at Vernon shows significant water savings without decreased yields. Studies also show significant labor and energy cost savings from wide adoption of an annual irrigation termination around September 1st.

102 *billion gallons (313,000 acre-feet)*

the amount of water savings per year, without decreasing yields, that could result from wide adoption of irrigation termination around September 1st

$27.60 *per water acre-foot*

$8.6 *million/yr.*

combined energy and labor cost savings from adopting irrigation termination recommendations

Irrigation termination research findings: Rolling Plains sorghum, 360,000 irrigated acres

18 *billion gallons*

the amount of water savings per year, without decreasing yields, that could result from adoption of irrigation termination around September 1st in sorghum alone

$1.5 *million/yr.*

energy and labor cost savings from adopting irrigation termination recommendations in sorghum alone

74% *of the current annual water usage in urban Texas*

The combined potential saving of 368,000 acre-feet of water from just sorghum acres

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