Glenn Schur
TAWC Producer

Pivot Irrigation Technology Demonstration
Pivot Irrigation Technology
2017 Demonstration

- LDN
  - Low drift nozzles

- LEPA
  - 40"
  - 80"

- PMDI
  - Precision Mobile Drip Irrigation

- LESA
  - Broadcast spray 80"

*450 gallon per minute from 3 wells
Millet Yield
1647.5 lbs/acre
(Rank 5th - Lowest Yield)

Cotton Yield
1482.8 lbs/acre
(Rank 1st - Highest Yield)
Millet Yield
2104.0 lbs/acre
(Rank 2\textsuperscript{nd} in Yield)

LEPA 40” Span

Cotton Yield
1160 lbs/acre
(Rank 4\textsuperscript{th} in Yield)
Millet Yield
1898.2 lbs/acre
(Rank 4th in Yield)

Cotton Yield
1470.6 lbs/acre
(Rank 2nd in Yield)
Millet Yield
2287.7 lbs/acre
(Rank 1st - Highest Yield)

Cotton Yield
1133.7 lbs/acre
(Rank 5th - Lowest Yield)
Millet Yield
2025.4 lbs/acre
(Rank 3rd in Yield)

Cotton Yield
1230.4 lbs/acre
(Rank 3rd in Yield)
Irrigation Technology Demonstration

<table>
<thead>
<tr>
<th>Irrigation technology type</th>
<th>Micronaire</th>
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<tbody>
<tr>
<td>LDN 80</td>
<td>2.87</td>
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<tr>
<td>LEPA 40</td>
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<td>LEPA 80</td>
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<td>PMDI</td>
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<td>LESA SPRAY</td>
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Different irrigation delivery systems produced different yield results, even in a wet year.

The two irrigation delivery systems that produced the highest yields, delivered water on every other row basis.

In a wet year such as we experienced in 2017, the dry row on LEPA 80 and LDN 80 minimized vegetative growth.

It has been my experience that every other row LEPA or LDN irrigation always produces the best yields regardless of how much or how little rainfall you receive.
Thank You!

Producers Across the Southern High Plains

Questions?