

# **AGRICULTURE COPY LIBRARY**

## Low Energy Precision Application (LEPA)

## DEFINITION

LEPA is designed to apply water more efficiently for center pivot irrigation systems. This reduces water use and water pump energy consumption by 15-30%.

The concept is simple: a LEPA conversion kit is applied to lower sprinklers down so that the sprinkler heads are closer to crops. This design requires less pressure to deliver the water while significantly reducing the amount of water lost from evaporation.

## LEPA VALUE PROPOSITION

LEPA can significantly decrease the overall energy and water required for irrigation by applying water more efficiently to your crops. By placing sprinklers closer to the ground, direct evaporation is greatly reduced. The LEPA sprinkler system also requires less pressure to operate, making it a more energy efficient option as well.

## LEPA - MESSAGING

Convert your center pivot irrigation system to apply water more efficiently and reduce water and energy consumption. Getting started is easy; request a LEPA test stand to help you assess your topography and soil to ensure LEPA will be a good fit at your location.

## CONSIDERATIONS FOR PRODUCERS

### 1. SIMPLE CHANGES EQUAL MAJOR BENEFITS FOR YOUR CROPS

The real value in a new LEPA system lies in its simplicity. Just by moving sprinklers closer to your crops you will save water, reduce energy consumption, and save big on operating costs.

### 2. INCREASE YOUR YIELD WITH MORE EFFICIENT IRRIGATION

More efficient irrigation helps you save on water and energy use and can potentially lead to a greater overall yield for your crops.

### 3. YOUR LOCAL UTILITY IS HERE TO HELP

Getting started with a new LEPA system is just a call away. Contact your local utility or trade ally for assistance with planning and installation of a new LEPA system.

## LEPA - LONG COPY

### HEADLINE

A low pressure choice for high efficiency irrigation.

### LONG DESCRIPTION

Reduce water and energy usage by up to 30% with a new Low Energy Precision Application (LEPA) conversion. Opportunities are now available to test your field's adaptability for LEPA through your local utility.

LEPA can provide more uniform irrigation application for all of your crops through the conversion of your center pivot irrigation system and lowering sprinkler heads so they are closer to crops. This greatly reduces water evaporation during irrigation, as well as reducing the overall pressure—and energy—required to efficiently water crops for a true low pressure way to save!

LEPA is a great addition for agricultural producers on sandy soils and is currently being tested on additional soil types. Contact your local utility to determine if your soil type and topography is suitable for a LEPA conversion. Your utility can set up a trial with a LEPA test stand to review your field's adaptability.

LEPA provides:

- More uniform application
- Reduced water evaporation
- Lower pressure requirements for greater energy reduction

### CTA

Contact your local utility to get started.

**SUBHEADING**

A simple way to save.

**COPY**

The real value in LEPA lies in its simplicity. All you need to do to start saving is contact your utility. The utility can put you in touch with an irrigation specialist who will help you schedule a visit with the LEPA test stand to determine if your crops will benefit from a LEPA installation.

Once you've determined if your system can be converted to LEPA, your irrigation specialist can recommend the type of LEPA system best suited for your field. This will help you save water by reducing evaporation, possibly lowering the system pressure required, and saving on your overall irrigation and operating costs. LEPA has also been proven to reduce incidence of disease to improve overall crop quality.

A LEPA conversion on a quarter mile pivot is estimated to cost \$10,000. The expense is less if you are planning to purchase a new pivot or replace your existing one with a LEPA pivot.

The combined effects of less water applied, reduced water pressure and resulting energy savings, and improved crop quality and yield often result in a quick return on the initial investment in LEPA.

**SUBHEADING**

One call is all you need.

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Your utility is here to make it easy to start saving. Call today to schedule a visit with an irrigation specialist and the LEPA test stand. The visit will allow you to assess your topography and soil to ensure LEPA will be a good fit, and find assistance with planning and installation of a new LEPA conversion kit.

## LEPA - SHORT COPY

### HEADLINE

A low pressure choice for high efficiency irrigation.

### COPY

Improve the quality of your crops and increase your yield with Low Energy Precision Application, designed to reduce water and save energy with lower pressure, higher efficiency irrigation.

### CTA

Call your local utility to get started.

Your local utility is here to assist as you start planning for the Low Energy Precision Application Pilot Program. Contact your local utility today to learn more.