

Increase Production with Center Pivot Irrigation



Irrigated Sugarcane

Irrigation allows you to grow a productive crop regardless of climate conditions. Many areas of the world experience significant increases in crop production under center pivots and linears, and irrigation serves as insurance against the dry conditions that can devastate sugarcane crops when they happen at the wrong time.



Irrigating sugarcane offers:

- Increased yields – in a recent study, each 0.4 inches (10 mm) of irrigation resulted in an increase of 800 pounds per acre (1 ton/hectare)
- Drought protection – severe drought can depress sugarcane yield up to 40%; irrigation offers insurance against nature's uncertainty
- Water and energy savings – Pivots and linears (laterals) offer uniformity of water distribution, and up to 97% application efficiency
- Labor savings – Multiple machines can be monitored and managed by one person
- Chemigation and fertigation – Easily apply water, nutrients and pesticides accurately at any crop stage

Valley Solutions

- The industry's longest and strongest spans – Valley pivots and linears (laterals) are designed with two high-clearance options to allow adequate clearance for growing sugarcane: 12.3 or 15 feet (3.75 or 4.6 m)
- The most durable drive train – Built to handle the toughest conditions and most difficult terrain efficiently, including the dense, wet growth of sugarcane fields
- Customizable options – Valley machines are adaptable enough to meet the needs of any grower, area, field size, climate, and soil type. The final product is delivered according to your exact specifications, and the team members involved in your project are factory trained, ensuring Valley quality.



Pivot Irrigation - The Best Choice for Sugarcane

There are several methods of irrigation used around the world, but pivot irrigation offers the greatest combination of efficiency and precision for the best value.

Water Efficiency

Only about 50% of water is absorbed using flood irrigation; with center pivot and linear irrigation, water absorption rates improve to up to 97%.



The Valley Difference: Value

Valley Irrigation pioneered the center pivot industry. Generations of growers have trusted Valley equipment because it's designed and field-tested to be the most durable.

- Lower maintenance costs
- Better return on investment for your operation
- Valley pivots can last 25-35 years with proper maintenance, and retain their value better than any other brand

Cost Efficiency

Center pivots require significantly lower initial investment when compared to drip irrigation – saving more than \$600 (USD) per acre (\$1,700 per hectare).

	Initial Cost	Drip	Center Pivot
Total		\$206,300	\$89,010
Total Savings		–	\$117,290
Cost per acre		\$1,331	\$712
Savings per acre		–	\$619

Source: Lamm, Freddie R.; O'Brien, Daniel M.; Rogers, Danny H. "Using the K-State Center Pivot Sprinkler and SDI Economic Comparison Spreadsheet – 2018": 2-4

The Valley Service

The Valley dealer network is the largest and most responsive in the irrigation industry. Your Valley dealer is your trained partner, providing the expertise you need to produce more while using fewer resources.