

Valley® Sugar Cane Irrigation

RELIABLE | DURABLE | PRECISE | ADVANCED | RESPONSIVE



VALLEY 

The Leader in Precision Irrigation

Maximize



Sugar Cane Profits

Sugar Cane Growers Worldwide Depend on Valley® Irrigation for Many Reasons

Reliability—Valley® offers a network of dealers worldwide and has a reputation built on rugged, durable equipment.

Labor Savings—Valley irrigation equipment makes water management easy. Multiple center pivots can be operated and managed by one technician.

Cost Effectiveness—Valley pivots and linears offer a lower installed equipment cost per hectare/acre than other comparable forms of irrigation. Once installed, Valley pivots and linears have a low operating cost.

Dependability—Valley pivots and linears do the work when you need it done...any time, day or night. Valley equipment handles all terrain, from heavy clay to light sandy soil.

Designed and Engineered With Sugar Cane Growers in Mind

Crop Clearance—Valley pivots and linears are designed with two high-clearance options. Sugar cane growers may choose from clearances of 3.75 m (12.3 ft) and 4.6 m (15 ft). These options allow the grower to obtain adequate clearance for growing sugar cane.

Heavy-duty Construction—Valley pivots and linears are designed and engineered to handle the dense and wet growth of sugar cane fields.

Adaptability—Valley pivots and linears can be designed to operate efficiently on fields of varying sizes and terrain.

Precision Application—Valley pivots and linears apply the exact amount of water needed, when it is needed, and where it is needed.



The Value of Valley

	Installed Cost Per Hectare*
Valley Pivot or Linear	\$900-\$1,500
Drip Irrigation	\$1,700-\$3,000
Overhead Sprinkler	\$1,700-\$3,000
Big Gun**	\$900-\$2,100

* Installed costs based on minimum field size of 40 hectares. Cost ranges do not include a pump. Cost ranges are in United States Dollars. See your local dealer for more specific prices for each of these irrigation products. 1 hectare is equivalent to 2.47 acres.

** Installed cost range based on equipment utilizing buried pressurized lines. The annual energy cost to operate a big gun is 2 to 3 times more than a pivot or linear. Big guns require 20-60 more hours of labor per hectare/year than a center pivot or linear.

Valley Center Pivot Units

- High-profile (3.75 m/12.3 ft) and ultra high-profile (4.6 m/15 ft) models available to fit all field sizes
- Custom-designed to fit your field and irrigation needs
- A wide range of options and features available

Span Crop Clearances

- High-profile unit 3.75 m (12.3 ft)
- Ultra high-profile unit 4.6 m (15 ft)



Valley Linear Units

- Irrigate up to 98% of planted area in square or rectangular fields
- Irrigate 4–400 hectares (10–1,000 acres) with slopes up to 6%
- Linear units are towable between fields for maximum machine economy

When It's Time to Irrigate — It's Time for Valley

Advantages of Valley Pivots and Linears

Efficient Water Usage—Minimizes waste and evaporation through timely and precise applications.

Uniform Coverage—Irrigates uniformly throughout the entire field.

Low Pressure Delivery—Saves on the cost of energy and enhances profit. Pivot and linear equipment require water pressure similar to drip irrigation.

Chemigation Option—Protects both natural resources and the crop. Applies chemicals and fertilizers inexpensively, accurately, and at any stage of the crop growth.

Eliminate These Common Problems

Drip Method (Surface or Buried Line)

- Filter maintenance
- Plugging
- Root intrusion
- Damage from equipment and animals
- Algae growth
- Equipment reinstallation at replant

Overhead Solid Set Method (Hand Move)

- High labor costs to move set
- Poor water use efficiency
- Poor water application uniformity
- High pressure requirements

Big Gun

- High labor costs
- High energy costs
- Poor water-use efficiency
- Poor water-application uniformity
- High pressure requirements

Flood Method

- High labor costs
- Poor water-use efficiency
- Poor water-application uniformity
- Potential water-logging and salinity problems



See your local authorized Valley dealer for complete details.



Valmont® Irrigation has a policy of continuous product improvement and development. As a result, certain changes in standard equipment, options, price, etc. may have occurred after the publication of this brochure. Some photographs and specifications may not be identical to current production. Your local Valley® dealer is your best source for up-to-date information. Valmont Irrigation reserves the right to change product design and specifications at any time without incurring obligations.

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