



A valmont  COMPANY

Return on Investment

Valley® Irrigation Helps You Produce More
While Using Fewer Resources



The Leader in Precision Irrigation®

Dryland. Drip irrigation. Flood irrigation. Center pivots.

Growers have many ways to get water to their crops. But different irrigation methods can result in dramatically different returns on investment.

Pivot vs. Dryland

Wheat/bushel

FEB. 2021

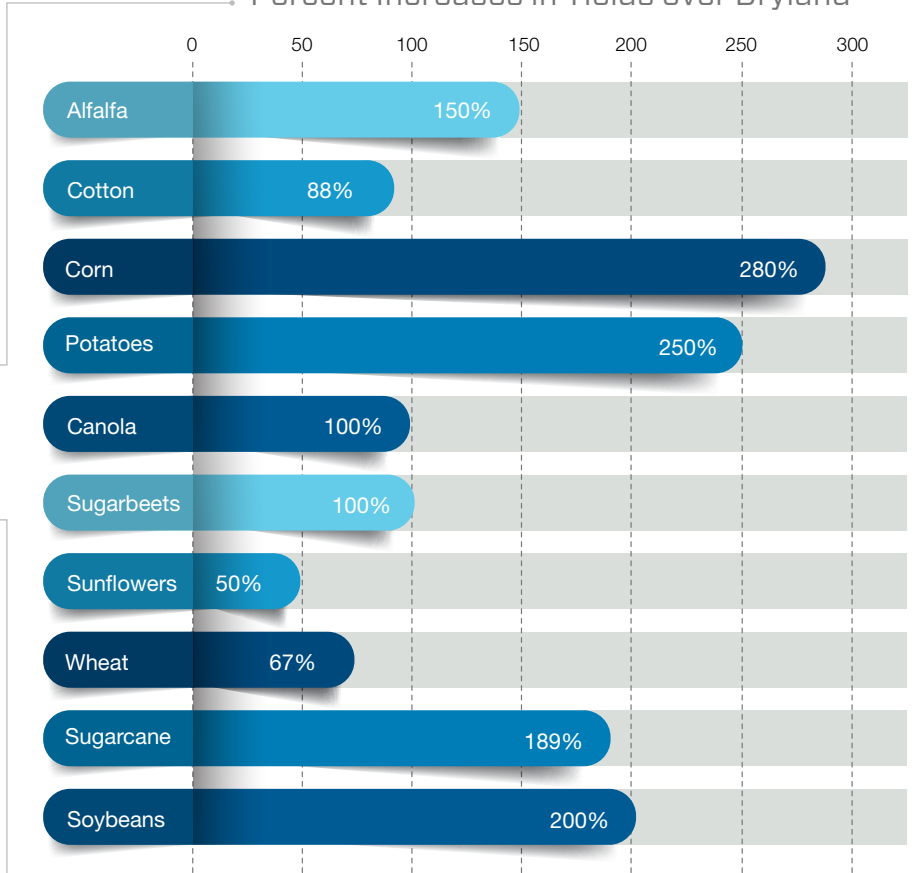
\$6.51

FEB. 2022

\$12.09

Source: <https://www.macrotrends.net/2534/wheat-prices-historical-chart-data>

Percent Increases in Yields over Dryland



Data from FAO Irrigation and Drainage Paper #33, "Yield response to water." <http://www.fao.org/ag/AGL/aglw/cropwater/parta.stm>

Center Pivots Cost Less and Retain their Value

Initial Investment Cost

Center Pivot
\$207,070

Cost per acre (hectare)
\$1,552 (\$628)

Drip Irrigation
\$318,848

Cost per acre (hectare)
\$2,390 (\$967)

Total Savings

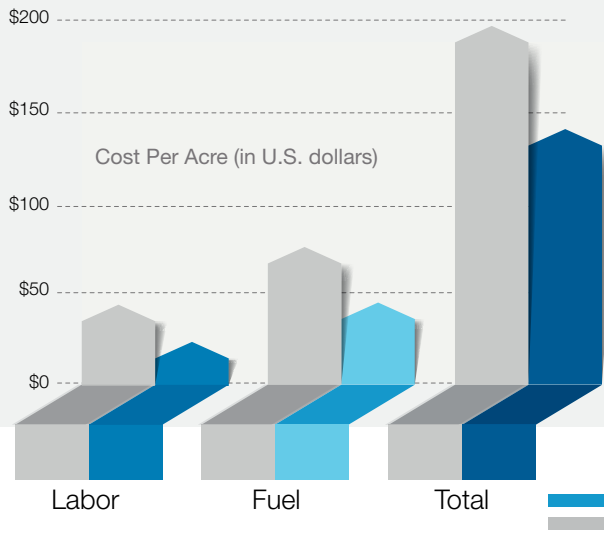
\$117,290

Savings per acre (hectare)
\$830 (\$339)

It all adds up to greater ROI – Center pivot or linear/lateral irrigation machines can last more than 25-35 years with proper use and maintenance, and they retain their value. Plus, with savings on inputs like water and electricity, labor and time, along with an increase in yields and crop quality, the return on investment can happen in just a few growing seasons.

Even after 15 years, a Valley® pivot still holds a resale value of **50%** of the initial purchase price. Drip systems cannot be resold.

Figures are in U.S. dollars. Source: RMC, "Comparison of irrigation system costs – update 2018"



Operation Cost of Flood vs. Center Pivot Irrigation

Pivot vs. Flood

- Flood irrigation efficiency can be as low as **40-50%**.
- Center pivot irrigation reaches **95%** application efficiency or greater.¹

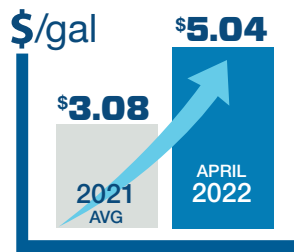
Source: "Center Pivot Irrigation." Texas Agricultural Extension Service.

Fuel Increases



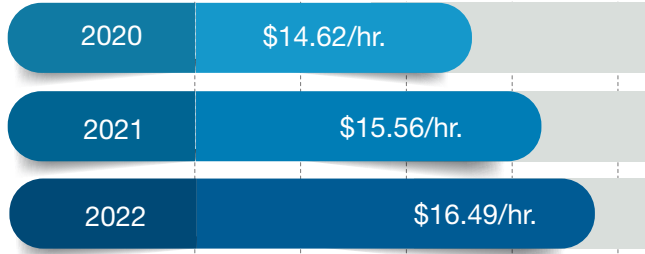
Regular Gas

Source: <https://gasprices.aaa.com/>



Diesel Fuel

Farm Labor



Source: USDA National Agricultural Statistics Services (NASS) 2021 Farm Labor Report

Fertilizer Increases

Diammonium Phosphate (DAP)/ton



Source: <https://www.dtnpf.com/agriculture/web/ag/crops/article/2022/04/05/dap-fertilizer-price-now-highest-dtn>

Potash/ton



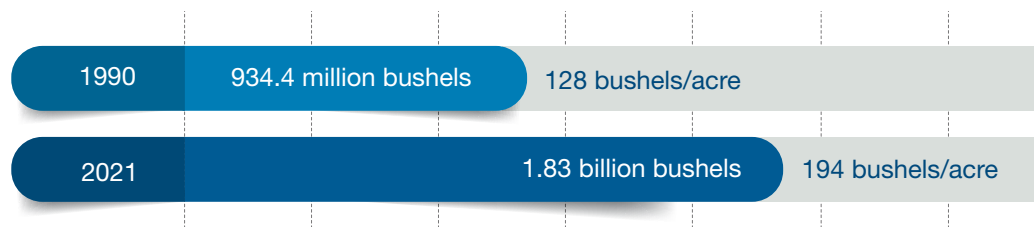
Source: <https://www.dtnpf.com/agriculture/web/ag/crops/article/2021/08/18/potash-price-13-last-month-leads-six>

Center Pivot Irrigation's Efficient Use of Water

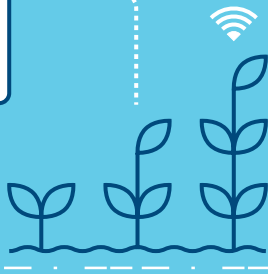


Water usage per bushel of corn produced in Nebraska

3,800 gallons in 1990
2,500 gallons in 2014



Sources: "Nebraska 2021 Crop Production Summary," morningagclips.com, Jan. 13, 2022
farmanddairy.com, April 14, 2022



Proven in Fields

In a 2010 field study, the use of VRI addressed field variability, and light textured soils yielded well, even in a dry year. Also, 12% less water was applied by using the VRI prescription across the field, reducing water and energy use.*

*Variable Rate Irrigation 2010 Field Results for Center Plains Conference. Jacob L. LaRue, Valmont Irrigation. <http://www.ksre.ksu.edu/Irrigate/OOW/P11/Larue11.pdf>

ROI Comparison

	FLOOD	PIVOT	DRIP
Increased Yields Over Dryland	✓	✓	✓
Precision		✓	✓
Labor/Time Savings		✓	
Simple Maintenance	✓	✓	
Versatility of Water Source		✓	
Water Efficiency		✓	✓
Germination		✓	
Fertigation		✓	
Crop Rotation	✓	✓	
Soil Protection		✓	
Reliability		✓	

Field studies during 2018-19 demonstrated the ROI possible with smarter irrigation decisions. Potato fields with Valley Scheduling™ averaged 13 cwt/acre greater yield with an estimated \$24,626 (USD) additional revenue compared to fields without. In another study, silage corn yield increased by 20% with an estimated value of 22,825 (USD) in extra revenue. Both of these examples represent an ROI of 14x!



Unsurpassed Service from the Industry-Best Dealer Network

Valley dealers are your partners – their extensive knowledge and experience lets them find new ways to irrigate those difficult acres, make an operation more efficient, discover new practices for conserving resources, deliver a return on investment and make life simpler through technology.

The bottom line: Your Valley dealer can help you achieve a higher return with top-of-the-line irrigation equipment and technology. Call your Valley Dealer today.



valleyirrigation.com

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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