

Durable Irrigation Solutions for Your Permanent Crops



Increase Tall Crop Profitability

Every crop is an investment, but not all of them require the commitment that tree crops do. No matter if you raise citrus, fruit, olives, coffee or nuts, you've devoted a great deal of time and money into planning, growing, nurturing and harvesting your tall crop. So you want to earn the largest possible return.

Benefits of Center Pivots on Tree Crops:

- Precision Application – A Valley® center pivot or linear applies the right amount of water exactly where you want it: over canopy, in canopy or below canopy, precisely irrigating to maximize plant growth and development, and to minimize disease risk.
- Lower Costs – The per-hectare/acre cost of irrigating with Valley pivots and linears is significantly lower than other irrigation methods, including drip, micro-spray and overhead sprinkler. With remote management technology, one person can operate multiple irrigation machines, saving both time and labor costs.
- Early ROI – Irrigate seasonal crops (such as onions or potatoes) between the tree rows during early stages of tree growth to achieve ROI prior to production.

Additional Benefits:

- Cool the canopy on hot days
- Apply fertigation
- Promote a larger root zone
- Rinse the tree canopy

Options

- Medium- or low-pressure sprinklers for varying wind conditions
- Many sprinkler and pressure regulator model options to meet the needs of various soils and tree crops
- PolySpan® – a polyethylene liner that is installed inside your span pipe, and it protects your pipe against the effects of acidic, alkaline, corrosive and saline water.

Span Crop Clearances	
Standard	2.74 meters (9 feet)
High-profile	3.75 meters (12.3 feet)
Ultra-high profile	4.6 meters (15 feet)

Why Choose Valley?

Valley machines can succeed where other methods can't. Take a look at these common problems that growers experience when using other types of irrigation:

Drip and Micro-spray

- Damage to the system from field operation equipment
- Damage to the system from rodents
- Emitter plugging and inspection
- Algae growth
- Filter maintenance
- Inability to wash crop canopy

Overhead sprinkler

- Damage to the system from field operation equipment
- High operating costs due to high pressure requirements
- Equipment removal and reinstallation at planting

Eliminate These Common Problems

	Emitter plugging and inspection	Irrigation water applied to leaves	Leaf rinsing and cooling	Algae growth	Filter maintenance	Damage to system from animals and equipment	Equipment reinstallation at replant	Irrigate Between Tree Row Crop	Concentrate water to tree row only	Concept-foliar chemical application
Valley	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION	SOLUTION
Drip Irrigation	PROBLEM	SOLUTION	PROBLEM	PROBLEM	PROBLEM	PROBLEM	PROBLEM	PROBLEM	SOLUTION	PROBLEM
Micro-Spray	PROBLEM	SOLUTION	PROBLEM	PROBLEM	PROBLEM	PROBLEM	PROBLEM	PROBLEM	SOLUTION	PROBLEM
Overhead Solid Set	SOLUTION	PROBLEM	SOLUTION	SOLUTION	SOLUTION	PROBLEM	PROBLEM	SOLUTION	PROBLEM	PROBLEM



Irrigation System Features

	Equipment Lifespan	Water Efficiency	Precision Irrigation	Remote Management
Valley	Up to 25 years or longer	Up to 97%	Yes	Yes
Drip Irrigation	5-15 years	Up to 97%	Yes	Yes
Micro-Spray	5-15 years	75-90%	Yes	Yes
Overhead Solid Set	10-15 years	70-80%	No	No

Valley Center Pivots

- Custom designed to fit your field and irrigation needs
- A wide range of options and features available

Valley Linears

- Irrigate up to 98% of planted area in square or rectangular fields
- Irrigate 4-65 hectares (10-160 acres) with a single linear
- Linear units may be towable between fields
- Both hose drag and ditch feed options are available

Discover why more growers around the world choose Valley Irrigation equipment to assure high yields and increased profitability from their trees and other tall crops, season after season.