

# Monthly Update

## Irrigation Efficiency Study, Demonstration Project, and Irrigator's Workshop

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January 20, 2025



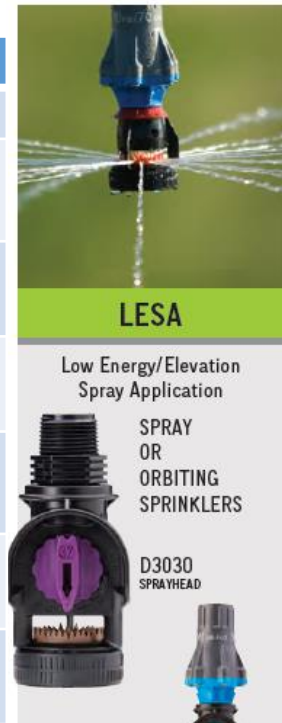
# Sprinkler Recommendation for Martin Goodwin Ranch Pivots 1 and 2

Quotes Received from Agri-Line and H2O Pro

## Quote Comparison – Diamond G (M. Goodwin) North and South Pivots

		Agri-Line	H2O Pro
<b>South pivot convert to LEPA</b>			
		\$ 18,978.00	\$ 15,128.90
	Sprinklers	\$ 11,950.00	
	Installation	\$ 7,028.00	
<b>North pivot convert to LESA</b>			
		\$ 18,041.00	\$ 15,128.90
	Sprinklers	\$ 11,255.00	
	Installation	\$ 6,786.00	

Total Installation and Equip cost for two pivots    \$37,019                    \$30,258



# LESA and LEPA Design Application Rates

## Vendor Design Comparison – Diamond G (M. Goodwin) North and South Pivots

	Acreage	System GPM	Model	# heads	spacing	Elev. off Ground	Application IN @ 100% speed	DU
<b>Agriline - South</b>	106.8	750	D3030	288	~3.5'	18"	0.27 "	>95%
<b>Agriline - North</b>	114.2	750	D3030	299	~3.5'	18"	0.27 "	>95%
<b>H2O Pro - North&amp;South</b>	111.7	790	D3030	239	5.2'	18"	0.295 "	>95%

Nelson D3030 Deflector Plate is “flipped” to change from LEPA to LESAs

# Summary Comparison

## • Agri-Lines

- Triple Drop (3.5' drop spacing)
- DU > 95%
- 289-299 Heads
- 0.27 Inches at 100%
  
- \$18,980/Pivot

## • Pros

- Conventional LEPA

## • Cons

- Higher Maintenance due to more heads (~20% more)

## • H2O Pro

- Double Drop (5.2' drop spacing)
- DU > 95%
- 239 Heads
- 0.29 inches at 100%
  
- \$15,128/Pivot

## • Pros

- Reduced heads/maintenance
- Reduced installation cost

## • Cons

- LEPA configuration (5.2' spacing) not good for grasses/1<sup>st</sup> year alfalfa