

New Mexico- Portales Field Office

FY 2004 Ranking Criteria Worksheet - Irrigated Cropland

Applicant:		Date:		Total Points:	
Farm No.:		Tract No.:		Field No.:	
Tribal Land	Non-Tribal Land				

1. Water Quantity - 100 Potential Points (21% of Total)

Irrigation Efficiency - Use FIRS to Evaluate. Benchmark & After points equal actual % efficiency. <u>Ranking Score equals After minus Benchmark.</u>						Total After Points	Total Benchmark Points	Ranking Score Points
Benchmark			After					
% Efficiency	% of Area in Contract	Weighted Score	% Efficiency	% of Area in Contract	Weighted Score			
_____ X _____	= _____	_____	_____ X _____	= _____	_____	_____ - _____	= _____	_____
_____ X _____	= _____	_____	_____ X _____	= _____	_____			
_____ X _____	= _____	_____	_____ X _____	= _____	_____			
Benchmark Total: _____			After Total: _____			1. Water Quantity		

2. Water Quality - 110 Potential Points (23% of Total)

A. Surface Water Pollutants - 55 Points Maximum

There is a probability that runoff water from irrigated fields contains sediment, salt, pesticides, and/or nutrients (or other associated chemicals). Treatment is needed to prevent these pollutants from entering live waters, or re-entering a shared irrigation system. Points will be awarded based on distance from the end of field to the nearest live waters or re-entry point into a shared irrigation system. If there is no run-off, after points will be 0.

Distance of Surface runoff to Live Water	Points	Benchmark	After
<100 Ft.	55	0	
101 - 500 Ft.	40	0	
501 - 1,320 Ft.	30	0	
1,320 - 2,640 Ft.	20	0	
>2,640 Ft.	0	0	
A. Surface Water	Total		

B. Ground Water Pollutants - 55 Points Maximum

There is a probability that irrigation water containing salt, pesticides, and/or nutrients (or other associated chemicals) is leaching into the ground water. Treatment is needed to prevent these pollutants from contaminating ground water, through leaching and direct return flow into wells. Points to be awarded based on depth to the water table, or elimination of any direct discharge to ground water (regardless of depth to water table).

Depth to Water Table	Points	Benchmark	After
1 - 10 Ft or elimination of any direct discharge into ground water.	55	0	
10 - 50 Ft.	35	0	
50 -100 Ft.	20	0	
>100 Ft.	0	0	
B. Ground Water	Total		
2. Water Quality		Total	

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3. Selected Conservation Practice(s) - 220 Potential Points (45% of Total)

	Potential Points	Percent of Need to be Installed	Points
Soil Erosion: Wind			
Range Planting (550)	15		
Windbreak/Shelterbelt Establishment (380)	5		
Field Borders (Buffer Strip) (386)	5		
Water Quality: Excessive Nutrients and Organics in Groundwater			
Chemigation Valve (442)	35		
Water Quantity: Inefficient Use on Irrigated Lands			
Irrigation Water Conveyance, Pipeline (430-EE)	25		
Flowmeter (587)	30		
Computer Panels (442)	30		
Drip Tape/LEPA (442)	50		
LESA (442)	40		
Air Quality: Undesirable Air Movement			
Windbreak/Shelterbelt Establishment (380)	5		
Animal Wildlife: Inadequate Cover/Shelter			
Range Planting (550), multiple species with shrubs	20		
3. Selected Conservation Practices	Total		

4. Other Considerations - 55 Potential Points (11% of Total)

	Potential Points	Benchmark Points	After Points
A. At risk species are in the area and the contract will enhance habitat for the species. <i>Lesser Prairie Chicken</i>	15	0	
B. Treatment of this land could have a beneficial impact on a 303d listed stream segment.	15	0	
C. Treatment of this land could enhance the benefits of an active sec. 319 proj.	15	0	
D. This land is within a NMED designated Category I watershed.	10	0	
4. Other Considerations	Total		

I understand that if I accept points for LEPA: I will only apply water in the spray mode during Germination or Chemigation. If I plant row crops, I will be required to farm in a circle and apply water in every or every other furrow.

Note: In the event of a tie, contracts will be awarded to applicants which have greater points in Sect. 1.

Producer _____
Date

Designated Conservationist _____
Date