Practice: 464 - Irrigation Land Leveling

Scenario: #1 - Irrigation Land Leveling

Scenario Description:

Reshaping of the surface of land to be irrigated to planned grades to permit uniform and efficient application of irrigation water to the leveled land. The field is leveled such that it is uniform and drains to a specifically targeted part of the field.

Resource Concern: Excess/Insufficient - Inefficient Use of Irrigation Water

Before Situation:

Irregular field surface reduces uniformity of surface application and thus irrigation efficiency by localized ponding and/or excess runoff/runon.

After Situation:

Cropland will be reshaped to provide uniform distribution of irrigation water in order to promote irrigation efficiencies.

Associated Conservation Practices: 449 - Irrigation Water Management

Scenario Feature Measure: Acre

Scenario Unit: Acre

Scenario Typical Size: 160

Scenario Cost: $42,980.58 **Scenario Cost/Unit:** $268.63

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Equipment/Installation						
Excavation, Common Earth, side cast, small equipment	48	Bulk excavation and side casting of common earth with hydraulic excavator with less than 1 CY capacity. Includes equipment and labor.	Cubic yard	$2.14	20000	$42,800.00
Mobilization						
Mobilization, small equipment	1138	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	$180.58	1	$180.58