

**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

**Total Scenario Cost:** \$43,303.78

**Scenario Cost/Unit:** \$270.65

**Cost Details**

Component Name	Id	Description	Unit	Cost	Qty	Total
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**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	\$2.16	20000	\$43,134.54
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**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	\$169.24	1	\$169.24
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