

**Practice: 466 - Land Smoothing**

**Scenario: #1 - Minor Shaping**

**Scenario Description:**

Removing irregularities on the land surface of cropland by use of heavy equipment.

**Before Situation:**

Field damaged by flooding, past agricultural practices, or other topographic issues causing drainage or field workability issues. Typically less than 100 cy/acre material moved.

**After Situation:**

Land level, backhoe, bulldozer or other heavy equipment used to correct irregularities and address drainage or workability issues.

**Scenario Feature Measure:** Acres of land treated

**Scenario Unit:** Acre

**Scenario Typical Size:** 40

**Scenario Cost:** \$2,669.75

**Scenario Cost/Unit:** \$66.74

**Cost Details (by category):**

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
<b>Equipment/Installation</b>						
Tractor, agricultural, 160 HP	1203	Agricultural tractor with horsepower range of 140 to 190. Equipment and power unit costs. Labor not included.	Hour	\$66.55	25	\$1,663.75
Scraper, pull, 7 CY	1206	Pull type earthmoving scraper with 7 CY capacity. Does not include pulling equipment or labor. Add Tractor or Dozer, 160 HP typically required for single scraper.	Hour	\$13.69	25	\$342.25
<b>Labor</b>						
Equipment Operators, Heavy	233	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$26.55	25	\$663.75