

Scenario Worksheet

| Practice and Scenario Description: | |
|------------------------------------|-----------------------|
| Information Type | Data |
| Region | Mid Atlantic |
| State | New Jersey |
| Discipline Group | Agronomy |
| Practice Code/Name | 330 - Contour Farming |
| Scenario ID | 1 |
| Scenario Name | Contour Farming |

Scenario Description

This scenario meets the specifications of the NRCS Contour Farming Standard. This scenario applies to fields greater than 5 acres. Payment reflects the extra labor and initial supervision costs in implementing and following contour farming compared to other methods. More time is usually needed when following contour operations due to more equipment time in shorter rows and more equipment turning. Annual erosion rates for the rotation exceeds tolerance levels. Excessive runoff leads to sedimentation of waterways.

Associated Practices: Conservation Crop Rotation (328), Residue and Tillage Management - No-Till/ Strip Till/ Direct Seed (329), Cover Crop (340), Residue Management , Seasonal (344), Residue amd Tillage Management, Mulch Till (345), Nutrient Management (590).

Before Practice Situation

The typical field size in this geographical region for this scenario is 25 acres. The Field slope averages 6% while the slope length averages 160 feet. All farming operations on this cropland field including disking, bedding, planting, and cultivation are performed parallel to the slope. This row arrangement usually results in longer rows with less time used for turning. Annual erosion rates for the rotation exceeds tolerance levels. Excessive runoff leads to sedimentation of waterways...

After Practice Situation

This practice is installed on the entire field. A survey is completed by trained and certified Federal, State, local personnel or consultant to determine and "stake" contour row arrangement. Permanent row markers are established to ensure that this practice is maintained for the life of this practice All field operations including: disking, bedding, planting, and cultivation are performed on the contour which is near perpendicular to the field slope. The farm manager is initially on site to ensure that equipment operator is properly following contour methods. Soil erosion rates are reduced by nearly half and may be below tolerance depending on the rotation. Likewise, sedimentation has be significantly reduced.

| | |
|--------------------------|------|
| Scenario Feature Measure | acre |
| Scenario Unit | Acre |
| Scenario Typical Size | 25 |

Cost Summary:

| Cost Category | Scenario Cost | Scenario Cost/Unit |
|------------------------------------|-----------------|--------------------|
| Materials | \$0.00 | \$0.00 |
| Equipment/Installation | \$104.64 | \$4.19 |
| Labor | \$353.16 | \$14.13 |
| Mobilization | \$0.00 | \$0.00 |
| Acquisition of Technical Knowledge | \$0.00 | \$0.00 |
| Foregone Income | \$0.00 | \$0.00 |
| Total | \$457.80 | \$18.31 |

