USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service

# 331- Contour Orchard and Other Perennial Crops Implementation Requirements

**Producer:** _____ **Project or Contract:** _____

**Location:** _____ **County:** _____

**Farm Name:** _____ **Tract Number:** _____

## Practice Location Map

*(showing detailed aerial view of where practice is to be installed on farm/site, showing all major components, stationing, relative location to any landmarks, and survey benchmarks)*

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____ Cover Sheet

____ Specifications

____ Drawings

____ Cost Estimate and Project Bid Form

____ Operation & Maintenance

Utility Safety / One-Call System Information

On the map, delineate the contour baseline(2) and stable outlets for concentrated flow.

**Description of work:**

_____

NRCS Review Only

| | | | |
|---|---|---|---|
| **Designed By:** | _____ | **Date:** | _____ |
| **Checked By:** | _____ | **Date:** | _____ |
| **Approved By:** | _____ | **Date:** | _____ |

## 331- Contour Orchard and Other Perennial Crops
## Implementation Requirements

**The Practice Purpose(s):**

__ Reduce sheet and rill erosion.

__ Reduce transport of sediment, other solids, and the contaminants attached to them.

__ Increase water infiltration.

| Site Planning Conditions for the Dominant Critical Soil Map Unit/Component | | | |
|---|---|---|---|
| **Planning Map Unit/Component** | **Planning Slope %** | **Planning Length of Slope (ft)** | **Percent Absolute Contour Row Grade Planned** |
| | | | |

| Maximum and Minimum Contour Row Grades | |
|---|---|
| **Minimum Contour Row Grade (Percent)** | **Maximum Contour Row Grade (Percent)** |
| The crop rows shall have sufficient grade to ensure that runoff water does not pond and cause unacceptable crop damage. | The maximum row grade shall not exceed: (a) one-half of the up-and-down hill slope percent used for conservation planning, or (b) 10 percent, whichever is less. Up to a 25 percent deviation from the design row grade is permitted within 150 feet of a stable outlet. |
| | |

## OPERATION AND MAINTENANCE

__ Perform all cultural operations between tree or vine rows on or near the contour.

__ Periodically inspect and make repairs to runoff water outlets.

__ Protect uphill and downhill farm roads from erosion.

__ Maintain adequate vegetation to control erosion.