

Technical Guide  
Section III-A-2  
Part 2

Alamogordo Field Office  
Basic Conservation System  
Irrigated Cropland Guide Sheet  
Resource Data

MLRA - 39 Arizona & New Mexico Mountains

Soils - all in WEG 4,4L,6,8

WEQ

T-5

C-60

I-86 or less

The following alternatives are acceptable provided the minimum specified residues are managed as indicated in the Management Requirements section. The Critical Wind Erosion period is February through April.

**Irrigated Cropland Alternatives**

**APPLE ORCHARDS** - Continuously in orchard.

Minimum crop residue amount--350 pounds of ground cover, i.e. grass, clover, etc.

**IRRIGATED PASTURE** - Continuously in pasture.

Minimum crop residue amount--700 pounds of grass residue.

**ANY CROP** - Continuously in crops with comparable levels of protection. Use WEQ to insure that erosion estimates are less than "T".

**Management Requirements**

Residue must equal or exceed amount shown in crop alternatives to control erosion. Soil will be tilled to control wind erosion as often as necessary. Tillage should be unnecessary when minimum residue amounts are maintained during the windy season.

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MLRA - 70      Canadian Plains & Valleys

Soils - all in WEG 4,4L,6,8  
WEQ  
T-5  
C-60  
I-86 or less

**Irrigated Cropland Alternatives**

**APPLE & CHERRY ORCHARDS** - Continuously in orchard.  
Minimum crop residue amount--600 pounds of ground  
cover, ie. grass, clover, etc.

**IRRIGATED PASTURE** - Continuously in pasture.  
Minimum crop residue amount--600 pounds of grass  
residue.

**ANY CROP** - Continuously in crops with comparable levels  
of protection. Use WEQ to insure that erosion  
estimates are less than "T".

**Management Requirements**

Residue must equal or exceed amount shown in crop  
alternatives to control erosion. Soil will be tilled to  
control wind erosion as often as necessary. Tillage should  
be unnecessary when minimum residue amounts are maintained  
during the windy season.

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Resource Data

MLRA - 4Z      Southern Desertic Basins, Plains & Mountains

Soils - all in WEG 3,4,4L,5,6,7  
WEQ  
T-5  
C-80  
I-86 or less

**Irrigated Cropland Alternatives**

**PECAN & PISTACHIO ORCHARDS (>7 YEARS OLD) -**  
Continuously in orchard.

Minimum crop residue amounts--650 pounds of tree litter.

**CHRISTMAS TREES (>4 YEARS OLD) -** Continuously in orchard.

Minimum crop residue amount--700 pounds of tree cuttings and litter.

**SMALL GRAIN -** Continuously in small grain.  
Minimum crop residue amount--700 pounds of residue.

**ALFALFA-5 YEARS; SMALL GRAIN-1 YEAR; SORGHUM SUDAN-1 YEAR -** Minimum flat crop residue amounts: Alfalfa 600 pounds of residue; small grain - 700 pounds of residue; sorghum sudan - 1000 pounds of residue.

**SMALL GRAIN-1 YEAR; SORGHUM SUDAN-1 YEAR -** Minimum flat crop residue amounts: Small grains - 700 pounds of residue Sorghum sudan - 1000 pounds of residue.

**IRRIGATED PASTURE -** Continuously in pasture.  
Minimum crop residue amount--700 pounds of residue.

**ANY CROP** - Continuously in crops with comparable levels of protection. Use WEQ to insure that erosion estimates are less than "T".

#### **Management Requirements**

Residue must equal or exceed amount shown in crop alternatives to control erosion. Soil will be tilled to control wind erosion as often as necessary. Tillage should be unnecessary when minimum residue amounts are maintained during the windy season.

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