

TG Section III-A-2 Basic Conservation Systems - Part 2

Mountainair Field Office  
Irrigated Cropland Guide Sheet  
Resource Data

MLRA - 70

Soils - all in WEG 3,4,4L,5,6,7

T=4

WEQ

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C - 120  
I - 86 or less

USLE

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R - 50  
K - .37

The following alternatives are acceptable regardless of the tillage method used provided the minimum specified amounts of residue are managed as indicated in the Management requirements section. The Critical windy period is Feb. - May.

Irrigated Cropland Alternatives \*

Alternative 1: Alfalfa 8 years, Corn (silage) 2 years, Corn (grain) 2 year,  
Small Grain 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (silage) - 600 pounds  
Corn (grain) - 1300 pounds  
Small Grain - 400 pounds

Alternative 2: Alfalfa 6 years, Corn (silage) 1 years, Corn (grain) 1 year,  
Small grains 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (silage) - 600 pounds  
Corn (grain) - 1300 pounds  
Small Grain - 400 pounds

Alternative 3: Any rotation with comparable levels of protection.  
(Use WEQ and ULSE to ensure that erosion estimates are less than "T".)

\* All crop residue amounts shown are lbs./acre air dry residue.

\*\* Condition reductions in estimated erosion rates may be achieved through the application of manure to corn ground which is a common practice.

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Management Requirements:

Alfalfa: Leave a minimum of 4 inches of standing stubble during the blow season.

Corn Silage: Leave a minimum amount of residue (6 inch standing stubble) on the soil surface until April 1 or as near planting time as possible.

Corn Grain: Leave the corn stalks standing as near to planting time as possible.

Wheat: Leave the minimum specified amounts of growing small grain or standing stubble during the blow season.

Approved by:

Ray N. Coir  
SWCD

6/13/88  
Date

James Miller  
District Conservationist

6/13/88  
Date

Richard J. Smith  
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6/13/88  
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7/7/88  
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Mountainair Field Office  
Irrigated Cropland Guide Sheet  
Resource Data

MLRA - 70  
Soils - all in WEG 3,4,4L,5,6,7

T=5

WEQ	USLE
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C - 120	R - 50
I - 86 or less	K - .37

The following alternatives are acceptable regardless of the tillage method used provided the minimum specified amounts of actual residue are managed as indicated in the Management requirements section. Critical Wind erosion season is Feb. - May.

Irrigated Cropland Alternatives \*

Alternative 1: Alfalfa 8 years, Corn (grain) 2 years, Corn (silage) 1 year, Potatoes 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (grain) - 1300 pounds  
Corn (silage) - 600 pounds  
Potatoes - 200 pounds

Alternative 2 \*\*: Alfalfa 6 years, Corn (silage) 3 years, Corn (grain) 2 year, Small grains 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (grain) - 1300 pounds  
Corn (silage) - 600 pounds  
Small Grain - 400 pounds

Alternative 3: Alfalfa 8 years, Corn (silage) 2 years, Beans 1 year, Small grains 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (silage) - 600 pounds  
Beans - 200 pounds  
Small Grain - 400 pounds

Alternative 4: Alfalfa - 8 years, Corn (silage) - 2 year, Corn (grain) - 2 year, Small grains - 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (grain) - 1300 pounds  
Corn (silage) - 600 pounds  
Small Grains - 400 pounds

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Alternative 5: Alfalfa - 5 years, Corn (silage) - 2 year, Corn (grain) - 2  
years, Small grains - 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (grain) - 1300 pounds  
Corn (silage) - 600 pounds  
Small Grains - 400 pounds

Alternative 6 \*\*: Alfalfa - 8 years, Corn (silage) - 2 year, Idle - 1 years,  
Small grains 1 year

Minimum Crop Residue Amounts: Alfalfa - 1600 pounds  
Corn (silage) - 600 pounds  
Idle - 200 pound  
Small Grain - 400 pounds

Alternative 7: Any rotation with comparable levels of protection.  
(Use WEQ and USLE to ensure that erosion estimates are  
less than "T".)

\* All residue amounts shown are in lbs/acre air dry residue

\*\* Addition reductions in estimated erosion rates may be achieved thru  
the application of manure to corn ground which is a common practice.

Management Requirements:

Alfalfa: Leave a minimum of 4 inches of standing stubble during the blow season.

Corn Silage: Leave a minimum amount of residue (6 inch standing stubble) on  
the soil surface until April 1 or as near planting time as possible.

Corn Grain: Leave the corn stalks standing as near to planting time as  
possible.

Wheat: Leave the minimum specified amounts of growing small grain or standing  
stubble during the blow season.

Potatoes, Beans and other vegetables: If a cover crop cannot be planted,  
leave the soil in a ridged cloddy condition.

Idle Land: Leave the standing stubble from the preceding crop and the volunteer  
annuals during the blow season. Manage so that idle land is always preceded  
by a high residue crop.

Approved by:

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