

## TG Section III-A-2 - Alternative Conservation System

## RATON FIELD OFFICE

Irrigated Cropland Guide Sheet 1/

## Resource Data

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

WEQ

C-80  
 I-86 or Less

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. Critical erosion period is November thru April.

Irrigated Cropland Alternatives 2/

Alternative 1: Continuous Wheat

Minimum Crop Residue Amounts: Wheat - 1000 pounds

Alternative 2: Continuous Forage Sorghum for Hay

Minimum Crop Residue Amount: Sorghum - 1400 pounds

Alternative 3: Alfalfa - 6 years, Forage sorghum for hay - 1 year,  
 Wheat - 1 year

Minimum Crop Residue Amounts: Alfalfa - 550 pounds  
 Sorghum -1400 pounds  
 Wheat -1000 pounds

Alternative 4: Alfalfa - 6 years, Oats for hay - 2 years

Minimum Crop Residue Amounts: Alfalfa - 500 pounds  
 Oats -1000 pounds

Alternative 5: Forage Sorghum for Hay - 1 year, Wheat - 1 year,  
 Idle land - 1 year

Minimum Crop Residue Amounts: Sorghum - 1400 pounds  
 Wheat - 1000 pounds  
 Idle Land- 850 pounds (previous crop  
 residue 600 lbs. minimum, plus  
 250 lbs. residue from annuals)

Raton-I-86 - Alternative Conservation System  
C-80

Alternative 6: Any rotation with comparable levels of protection.

2/ Acceptable alternatives as long as water erosion does not exceed T.

Management Requirements:

- Alfalfa - Leave the minimum specified amounts of standing residue during the blow season.
- Wheat - Leave the minimum specified amounts of growing wheat residue during the blow season.
- Forage Sorghum for Hay - Leave the minimum specified amounts of standing forage sorghum stalk residue on the soil surface until May 1 or as near planting time as possible, whichever is later.
- Oats for Hay - Leave the minimum specified amounts of growing small grain residue during the blow season.
- Idle Land - Leave a minimum of 600 pounds residue from previous crop residue plus the volunteer annuals during the blow season.
- Emergency Tillage - Any time sufficient residues are not produced to manage as above the land will be left in a rough, ridged, cloddy condition to prevent wind erosion.
- Emergency Irrigation - If insufficient residues or clods are present to prevent blowing, the land will be lightly irrigated.

1/ To be used for conservation compliance and/or sodbusting.

Guidesheet approved by COLFAX SWCD Board.

Alice Moore  
Supervisor

8/2/88  
Date

Charles G. Walker  
District Conservationist

8/2/88  
Date

Robert D. Bruce  
Area Conservationist

8/10/88  
Date

Ray V. Margo  
State Conservationist

8/19/88  
Date

TG III-A-2 - Alternative Conservation System

RATON FIELD OFFICE

Dry Cropland Guide Sheet 1/

Resource Data

MLRA - 70,77  
Soils all in WEG 3,4,4L,5,6,7  
T-5

WEQ

C-100  
I-86 or less

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. Critical wind period is considered November thru April.

Dry Cropland Alternatives 2/

Alternative 1: Continuous Wheat

Minimum Crop Residue Amount: Wheat - 1250 pounds

Alternative 2: Continuous Millet for Hay

Minimum Crop Residue Amount: Standing Millet Stubble - 1200 pounds

Alternative 3: Wheat - 1 year, Millet - 1 year

Minimum Crop Residue Amount: Wheat - 1250 pounds  
Standing Millet Stubble - 1200 pounds

Alternative 4: Wheat - 1 year, Millet - 1 year, Idle - 1 year

Minimum Crop Residue Amount: Wheat - 1250 pounds  
Standing Millet Stubble - 1200 pounds  
Idle Land - 850 pounds (previous crop residue  
600 pounds minimum, plus 250 pounds  
residue from annuals)

Alternative 5: Any rotation with comparable levels of protection.

2/ Acceptable alternatives as long as water erosion does not exceed "T".

Raton-I-86 - Alternative Conservation System  
C-100

Management Requirements:

- Wheat - Leave the minimum specified amounts of growing wheat residue during the blow season.
- Millet for Hay - Leave the minimum specified amounts of standing millet stalk residue on the soil surface until May 1 or as near planting time as possible, whichever is later.
- Idle Land - Leave a minimum of 600 pounds residue from previous crop residue plus the volunteer annuals until the end of the blow season.
- Emergency Tillage - Any time sufficient residues are not produced to manage as above, the land will be left in a rough, ridged, cloddy condition to prevent wind erosion.

1/ This guidesheet is for conservation compliance and/or sodbusting.

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