TG Section III-I-B - Resource Management Systems - Part 2

Grants Field Office

Irrigated Cropland Guide Sheet

Resource Data

MLRA - 36
Soils - WEG 3,4,5,6,7,

T-5

WEQ	USLE
C-100	R - 25
I-86 or less	K -.37 or less
K-.8	LS .44

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 March 15 to May 15.

Alternative Conservation Cropping sequences for Irrigated Cropland

Management groups 2,3,6,and 9.

Alternative 1: Alfalfa - 7 years, Corn - grain - 2 years, Small grains - 1 year

Alternative 2: Alfalfa - 7 years, Corn - 1 year-silage, Small grains - 2 years

Alternative 3: Corn -grain 2 years, Small grains - 3 years

Alternative 4: Any rotation with comparable levels of protection that meet the standards and specifications in Section IV of the FOTG.

MANAGEMENT REQUIREMENTS:

Alfalfa - Leave at least 900 pounds of residue during February 15 to May 15.

Corn - 1000 pounds of residue needed after corn silage to control erosion, 5000 pounds of corn residue needed to meet requirements for a soil improving crop; Leave residue on the soil surface until April 1 or as near planting time as possible.

Vegetatables - 800 pounds of flat residue needed to control erosion, a cover crop may need to be grown to attain the 4000 pounds of residue to meet the requirements for a soil improving crop.

Small Grains and Grass - 1400 pounds of flat residue or 1000 pounds of growing residue needed to meet the requirements for a soil improving crop; Leave flat residue or growing small grain residue during Feb. 15 and May 15.

Non-Irrigated Cropland Guide Sheet

Resource Data

MLRA - 36
Soils - all in WEG 3

T-5

WEQ	USLE
C-80	R - 25
I-86	K - .37
K .8	
800' unsheltered	

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 March 15 to May 15.

Alternative Conservation Cropping sequences for dry cropland

Alternative 1: Small grains - 2 year, Idle land - 1 year

Minimum Crop Residue Amounts: Small grain stubble - 1500 pounds standing residue
Idle land -1500 pounds (small grain residue and residue from annuals)

Alternative 2: Any rotation with comparable levels of protection that meet the standards and specifications in Section IV of the FOTG.

MANAGEMENT REQUIREMENTS:

Small Grains - Leave the minimum specified amounts of small grain residue or growing small grain residue during the blow season.

NOTE: The management systems described above are essential for the Erosion Control and Resource Management components of an RMS. Other practices may need to be planned, if there are additional resource concerns present, to meet a complete Resource Management System.

SWCD Approval	9/1/88 Date
District Conservationist	9/1/88 Date
Area Conservationist	9/1/88 Date
State Conservationist	9/13/88 Date