PORTALES FIELD OFFICE

ALTERNATIVE CONSERVATION SYSTEMS

IRRIGATED CROPLAND GUIDESHEETS 1/

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 220 or less
L = 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY THE FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE AND IS BASED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH APRIL.

IRRIGATED CROP ALTERNATIVES:2/

ALTERNATIVE #1: CONTINUOUS WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT -	600 LBS

ALTERNATIVE #2: CONTINUOUS GRAIN SORGHUM*

FLAT STALKS W/LEAVES	MILO -	1800 LBS
FLAT STALKS ONLY	MILO -	3000 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	1500 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	800 LBS

ALTERNATIVE #3: CONTINUOUS CORN

FLAT STALKS W/LEAVES	CORN -	2000 LBS
FLAT STALKS ONLY	CORN -	4500 LBS
STANDING CORN STALKS	CORN -	1400 LBS

PORTALES F.O. I-220 IRRIGATED CROPLAND ACS

ALTERNATIVE #4: MILO/WHEAT/FALLOW

FLAT STALKS W/LEAVES	MILO -	1800 LBS
FLAT STALKS ONLY	MILO -	3000 LBS
STANDING STALKS	MILO -	1500 LBS
GROWING WHEAT	WHEAT -	600 LBS
STANDING WHEAT RESIDUE	WHEAT -	300 LBS
FLAT WHEAT RESIDUE	WHEAT -	600 LBS

ALTERNATIVE #5: MILO/WHEAT/FALLOW/COTTON

FLAT STALKS W/LEAVES	MILO -	1800 LBS
FLAT STALKS ONLY	MILO -	3000 LBS
STANDING STALKS	MILO -	1500 LBS
STANDING RESIDUE	MILO -	800 LBS
GROWING WHEAT	WHEAT -	600 LBS
STANDING WHEAT RESIDUE	WHEAT -	300 LBS
FLAT WHEAT RESIDUE	WHEAT -	600 LBS
STANDING COTTON STALKS	COTTON -	1100 LBS
FLAT COTTON STALKS	COTTON -	2000 LBS

ALTERNATIVE #6: CORN/WHEAT

FLAT STALKS W/LEAVES	CORN -	2000 LBS
FLAT STALKS ONLY	CORN -	4500 LBS
STANDING CORN STALKS	CORN -	1400 LBS
GROWING WHEAT	WHEAT -	600 LBS

ALTERNATIVE #7: PEANUTS OR POTATOES FOLLOWED BY A COVER CROP OF WHEAT MAY BE REPEATED OR FOLLOWED BY SMALL GRAINS, CORN OR GRAIN SORGHUM AS LONG AS THE FOLLOWING RESIDUES ARE MAINTAINED.

PEANUT RESIDUES	PEANUT -	2000 LBS
WHEAT GROWING	WHEAT -	300 LBS
GRAIN SORGHUM-FLAT WITH LEAVES	MILO -	1800 LBS
GRAIN SORGHUM-FLAT STALKS ONLY	MILO -	3000 LBS
GRAIN SORGHUM-STANDING STALKS	MILO -	1500 LBS
GRAIN SORGHUM-STANDING RESIDUES	MILO -	800 LBS
CORN-FLAT STALKS W/LEAVES	CORN -	2000 LBS
CORN-FLAT STALKS ONLY	CORN -	4500 LBS
CORN-STANDING STALKS	CORN -	1400 LBS

PORTALES F.O. I-220 IRRIGATED CROPLAND ACS

ALTERNATIVE #8: PEANUTS FOLLOWED BY PEANUTS MUST BE ROTATED TO WHEAT, CORN OR MILO FOR THREE YEARS BEFORE RETURNING TO PEANUTS. PEANUTS FOLLOWED BY WHEAT, CORN OR MILO MAY RETURN TO PEANUTS IN TWO YEARS.

PEANUT RESIDUE	PEANUTS -	2000 LBS
CORN-FLAT STALKS W/LEAVES	CORN -	6000 LBS
CORN-FLAT STALKS ONLY	CORN -	10000 LBS
CORN-STANDING CORN STALKS	CORN -	4000 LBS
MILO-FLAT STALKS W/LEAVES	MILO -	5500 LBS
MILO-FLAT STALKS ONLY	MILO -	10000 LBS
MILO-STANDING GRAIN SORGHUM STALKS	MILO -	4500 LBS
MILO-STANDING GRAIN SORGHUM RESIDUE	MILO -	2250 LBS
WHEAT GROWING	WHEAT -	1500 LBS

ALTERNATIVE #9: ANY ROTATION WITH COMPARABLE LEVELS OF PROTECTION AS THE PRECEDING ALTERNATIVES.

1/-CONSERVATION SYSTEMS IN THIS GUIDESHEET OF ANY OTHERS USING THIS CRITERIA ARE NOT TO BE USED IN THE CASE OF SODBUSTING.

2/-WATER EROSION CONTROL PRACTICES MAY BE ADDED IF WATER EROSION RATES ARE DETERMINED TO BE UNACCEPTABLE.

*DEEPBREAKING IS ALLOWED EVERY OTHER YEAR IF NECESSARY.

Irrigated Cropland Management Requirements

Cotton	-Leave the minimum specified amounts of standing stalk residues on soil surface until April 1, or as near planting time as possible, or when plowdown is required leave soil in a ridged and cloddy condition. If necessary use irrigation in conjunction with tillage operations.
Grain Sorghum	-Leave the minimum specified amounts of standing stalk residue on soil surface until April 1, or as near planting time as possible, whichever is later.
Wheat	-Leave the minimum specified amounts of growing small grain residue through regular blow season. (Nov. - April)
Peanuts	-Keep required minimum residues in windrows as late as possible into the blow season. When plowdown is necessary to prepare for following crop season, keep soil in rough ridged, cloddy condition. Irrigation will be used as necessary to prevent soil blowing.
Idle Land	-Fallow, set aside, etc. - Fallow - keep a minimum of 1500 pounds flat small grain equivalent through 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.

IRRIGATAED CROPLAND MANAGEMENT REQUIREMENTS

[illegible]	3/11/88
SWCD BOARD REPRESENTATIVE	DATE
Kenneth D. Walker	7/8/88
DISTRICT CONSERVATIONIST	DATE
Robert D. Brune	7/25/88
AREA CONSERVATIONIST	DATE
Ray Vmargo Jr.	8/19/88
STATE CONSERVATIONIST	DATE

ALTERNATIVE CONSERVATION SYSTEMS

IRRIGATED CROPLAND GUIDESHEETS 1/

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 86 OR LESS
L - 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE AND IS BASED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH APRIL.

IRRIGATED CROP ALTERNATIVES:2/

ALTERNATIVE #1: CONTINUOUS WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT -	450 LBS

ALTERNATIVE #2: CONTINUOUS GRAIN SORGHUM*

FLAT STALKS W/LEAVES	MILO -	500 LBS
FLAT STALKS ONLY	MILO -	600 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	400 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	300 LBS

ALTERNATIVE #3: CONTINUOUS CORN

FLAT STALKS W/LEAVES	CORN -	450 LBS
FLAT STALKS ONLY	CORN -	1000 LBS
STANDING CORN STALKS	CORN -	375 LBS

ALTERNATIVE #4: CONTINUOUS COTTON

STANDING COTTON STALKS	COTTON -	425 LBS
FLAT COTTON STALKS	COTTON -	850 LBS

PORTALES F.O. I-86 IRRIGATED CROPLAND ALT

ALTERNATIVE #6: MILO/FALLOW/WHEAT/COTTON

FLAT STALKS W/LEAVES	MILO	-	500 LBS
FLAT STALKS ONLY	MILO	-	600 LBS
STANDING STALKS	MILO	-	400 LBS
STANDING RESIDUE	MILO	-	300 LBS
GROWING WHEAT	WHEAT	-	450 LBS
STANDING WHEAT RESIDUE	WHEAT	-	350 LBS
FLAT WHEAT RESIDUE	WHEAT	-	450 LBS
STANDING COTTON STALKS	COTTON	-	425 LBS
FLAT COTTON STALKS	COTTON	-	850 LBS

ALTERNATIVE #7: CORN/WHEAT

FLAT STALKS W/LEAVES	CORN	-	450 LBS
FLAT STALKS ONLY	CORN	-	1000 LBS
STANDING CORN STALKS	CORN	-	375 LBS
GROWING WHEAT	WHEAT	-	450 LBS

ALTERNATIVE #8: CONTINUOUS PEANUTS

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS

ALTERNATIVE #9: PEANUTS/WHEAT

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS
GROWING WHEAT	WHEAT	-	450 LBS
STANDING WHEAT RESIDUE	WHEAT	-	350 LBS
FLAT WHEAT RESIDUE	WHEAT	-	450 LBS

ALTERNATIVE #10: PEANUTS/CORN

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS
FLAT STALKS W/LEAVES	CORN	-	450 LBS
FLAT STALKS ONLY	CORN	-	1000 LBS
STANDING CORN STALKS	CORN	-	375 LBS

ALTERNATIVE #11: PEANUTS/MILO

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS
FLAT STALKS W/LEAVES	MILO	-	500 LBS
FLAT STALKS ONLY	MILO	-	600 LBS
STANDING GRAIN SORGHUM STALKS	MILO	-	400 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO	-	300 LBS

ALTERNATIVE #12: ANY ROTATION WITH COMPARABLE LEVELS OF

Cotton	-Leave the minimum specified amounts of standing stalk residues on soil surface until April 1, or as near planting time as possible, or when plowdown is required leave soil in a ridged and cloddy condition. If necessary use irrigation in conjunction with tillage operations.
Grain Sorghum	-Leave the minimum specified amounts of standing stalk residue on soil surface until April 1, or as near planting time as possible, whichever is later.
Wheat	-Leave the minimum specified amounts of growing small grain residue through regular blow season. (Nov. - April)
Peanuts	-Keep required minimum residues in windrows as late as possible into the blow season. When plowdown is necessary to prepare for following crop season, keep soil in rough ridged, cloddy condition. Irrigation will be used as necessary to prevent soil blowing.
Idle Land	-Fallow, set aside, etc. - Fallow - keep a minimum of 1500 pounds flat small grain equivalent through 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.

The planned conservation system using this guide sheet must not exceed the present erosion losses on a farm. Conserva-

Geo. E. Hay	3/11/88
SWCD BOARD REPRESENTATIVE	DATE
Kenneth R. Walker	7/8/88
DISTRICT CONSERVATIONIST	DATE
Robert D. Bruce	7/25/88
AREA CONSERVATIONIST	DATE
Ray Margolf.	8/19/88
STATE CONSERVATIONIST	DATE

PORTALES FIELD OFFICE

ALTERNATIVE CONSERVATION SYSTEMS

IRRIGATED CROPLAND GUIDESHEETS 1/

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 134 or less
L = 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY THE FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE AND IS BASED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH APRIL.

IRRIGATED CROP ALTERNATIVES:2/

ALTERNATIVE #1: CONTINUOUS WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT -	600 LBS

ALTERNATIVE #2: CONTINUOUS GRAIN SORGHUM*

FLAT STALKS W/LEAVES	MILO -	1100 LBS
FLAT STALKS ONLY	MILO -	1700 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	850 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	550 LBS

ALTERNATIVE #3: CONTINUOUS CORN

FLAT STALKS W/LEAVES	CORN -	1200 LBS
FLAT STALKS ONLY	CORN -	2400 LBS
STANDING CORN STALKS	CORN -	750 LBS

PORTALES F.O. I-134 IRRIGATED CROPLAND ACS

ALTERNATIVE #5: MILO/FALLOW/WHEAT

FLAT STALKS W/LEAVES	MILO	-	1100 LBS
FLAT STALKS ONLY	MILO	-	1700 LBS
STANDING STALKS	MILO	-	850 LBS
GROWING WHEAT	WHEAT	-	600 LBS
STANDING WHEAT RESIDUE	WHEAT	-	250 LBS
FLAT WHEAT RESIDUE	WHEAT	-	450 LBS

ALTERNATIVE #6: MILO/FALLOW/WHEAT/COTTON

FLAT STALKS W/LEAVES	MILO	-	1100 LBS
FLAT STALKS ONLY	MILO	-	1700 LBS
STANDING STALKS	MILO	-	850 LBS
STANDING RESIDUE	MILO	-	550 LBS
GROWING WHEAT	WHEAT	-	600 LBS
STANDING WHEAT RESIDUE	WHEAT	-	250 LBS
FLAT WHEAT RESIDUE	WHEAT	-	450 LBS
STANDING COTTON STALKS	COTTON	-	1100 LBS
FLAT COTTON STALKS	COTTON	-	2000 LBS

ALTERNATIVE #7: CORN/WHEAT

FLAT STALKS W/LEAVES	CORN	-	1200 LBS
FLAT STALKS ONLY	CORN	-	2400 LBS
STANDING CORN STALKS	CORN	-	750 LBS
GROWING WHEAT	WHEAT	-	600 LBS

ALTERNATIVE #8: CONTINUOUS PEANUTS

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS

ALTERNATIVE #9: PEANUTS/WHEAT

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS
GROWING WHEAT	WHEAT	-	600 LBS
STANDING WHEAT RESIDUE	WHEAT	-	250 LBS
FLAT WHEAT RESIDUE	WHEAT	-	450 LBS

ALTERNATIVE #10: PEANUTS/CORN

STANDING PEANUT RESIDUE	PEANUTS	-	2000 LBS
FLAT STALKS W/LEAVES	CORN	-	1200 LBS
FLAT STALKS ONLY	CORN	-	2400 LBS

PORTALES F.O. I-134 IRRIGATED CROPLAND ACS

1/-CONSERVATION SYSTEMS IN THIS GUIDESHEET OF ANY OTHERS USING THIS CRITERIA ARE NOT TO BE USED IN THE CASE OF SODBUSTING.

2/-WATER EROSION CONTROL PRACTICES MAY BE ADDED IF WATER EROSION RATES ARE DETERMINED TO BE UNACCEPTABLE.

*DEEPBREAKING IS ALLOWED EVERY YEAR IF NECESSARY

Irrigated Cropland Management Requirements

Cotton	-Leave the minimum specified amounts of standing stalk residues on soil surface until April 1, or as near planting time as possible, or when plowdown is required leave soil in a ridged and cloddy condition. If necessary use irrigation in conjunction with tillage operations.
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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.

IRRIGATAED CROPLAND MANAGEMENT REQUIREMENTS

[illegible]	3/11/88
SWCD BOARD REPRESENTATIVE	DATE
Kenneth L Walker	7/8/88
DISTRICT CONSERVATIONIST	DATE
Robert W. Brue	7/25/88
AREA CONSERVATIONIST	DATE
Ray Margolf.	8/15/88
STATE CONSERVATIONIST	DATE

PORTALES FIELD OFFICE

ALTERNATIVE CONSERVATION SYSTEMS

DRY CROPLAND GUIDESHEETS 1/

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 86 OR LESS
L = 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY THE FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE, AND IS BASED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH APRIL.

DRY CROP ALTERNATIVES:2/

ALTERNATIVE #1: CONTINUOUS WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT - 700 LBS

ALTERNATIVE #2: WHEAT/FALLOW/WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT - 700 LBS
STANDING WHEAT RESIDUE	WHEAT - 300 LBS
FLAT WHEAT RESIDUE	WHEAT - 600 LBS

ALTERNATIVE #3: CONTINUOUS GRAIN SORGHUM*

FLAT STALKS W/LEAVES	MILO - 2100 LBS
FLAT STALKS ONLY	MILO - 3500 LBS
STANDING GRAIN SORGHUM STALKS	MILO - 1650 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO - 900 LBS

ALTERNATIVE #4: WHEAT/MILO/FALLOW

MINIMUM GROWING WHEAT AMOUNTS	WHEAT - 700 LBS
STANDING WHEAT RESIDUE	WHEAT - 300 LBS
FLAT WHEAT RESIDUE	WHEAT - 600 LBS
FLAT STALKS W/LEAVES	MILO - 2100 LBS
FLAT STALKS ONLY	MILO - 3500 LBS
STANDING GRAIN SORGHUM STALKS	MILO - 1650 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO - 900 LBS

PORTALES F.O. I-8A DRY CROPLAND ACS

ALTERNATIVE #5: MILO/COTTON/FALLOW/WHEAT

FLAT STALKS W/LEAVES	MILO -	2100 LBS
FLAT STALKS ONLY	MILO -	3500 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	1650 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	900 LBS
STANDING COTTON RESIDUE	COTTON -	500 LBS
MINIMUM GROWING WHEAT AMOUNTS	WHEAT -	700 LBS
STANDING WHEAT RESIDUE	WHEAT -	300 LBS
FLAT WHEAT RESIDUE	WHEAT -	600 LBS

ALTERNATIVE #6: COTTON/MILO/MILO/MILO**

STANDING COTTON RESIDUE	COTTON -	500 LBS
FLAT STALKS W/LEAVES	MILO -	2100 LBS
FLAT STALKS ONLY	MILO -	3500 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	1650 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	900 LBS

ALTERNATIVE #7: COTTON/MILO
(COTTON STRIPS NOT TO EXCEED 60 FT)

STANDING COTTON RESIDUE	COTTON -	250 LBS
FLAT STALKS W/LEAVES	MILO -	2100 LBS
STANDING GRAIN SORGHUM STALKS	MILO -	1650 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO -	900 LBS

ALTERNATIVE #8: ANY ROTATION WITH COMPARABLE LEVELS OF PROTECTION AS THE PRECEDING ALTERNATIVES.

*-DEEP-BREAKING IS ALLOWED 1 OUT OF 3 YEARS.

**-DEEP-BREAKING IS ALLOWED 1 OUT OF 4 YEARS.

1/-CONSERVATION SYSTEMS IN THIS GUIDESHEET OR ANY OTHERS USING THIS CRITERIA ARE NOT TO BE USED IN THE CASE OF SODBUSTING.

2/-WATER EROSION CONTROL PRACTICES MAY BE ADDED IF WATER EROSION RATES ARE DETERMINED TO BE UNACCEPTABLE.

DRY CROPLAND MANAGEMENT REQUIREMENTS:

GRAIN SORGHUM: LEAVE THE MINIMUM SPECIFIED AMOUNT OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

COTTON: LEAVE THE MINIMUM SPECIFIED AMOUNT OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

WHEAT: LEAVE THE MINIMUM AMOUNT OF GROWING WHEAT AND/OR WHEAT RESIDUES ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

DOUBLE CROPPING: ALLOWABLE WITHIN THE ALTERNATIVES AS LONG AS THE STATED RESIDUES REMAIN.

FALLOW, SET-ASIDE: LEAVE REQUIRED AMOUNTS OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

GRAZING: GRAZING IS ALLOWED AS LONG AS THE MINIMUM REQUIRED AMOUNT OF RESIDUES REMAIN ON THE SOIL SURFACE.

EMERGENCY TILLAGE: WHEN IT IS IMPOSSIBLE TO PRODUCE SUFFICIENT RESIDUES TO MEET EROSION REQUIREMENTS, THROUGH NO FAULT OF THE PRODUCER, OR MANDATORY PLOWDOWN IS REQUIRED, THE SOIL SHOULD BE KEPT IN A ROUGH CONDITION BY LISTING, CHISELING, OR OTHER MEANS.

NON-COMPLIANCE: WILL NOT OCCUR IF RESIDUE REQUIREMENTS ARE NOT MET THROUGH NO FAULT OF THE PRODUCER. NON-COMPLIANCE WILL OCCUR IF RESIDUE WAS GROWN AND DESTROYED EITHER BY PLOWING OR GRAZING.

SWCD BOARD REPRESENTATIVE	3/11/88 DATE
Kenneth R Walker DISTRICT CONSERVATIONIST	7/8/88 DATE
Robert D. Bruce AREA CONSERVATIONIST	7/25/88 DATE
Gary Margo Jr. STATE CONSERVATIONIST	8/19/88 DATE

TG Section III-A-2 PORTALES FIELD OFFICE

ALTERNATIVE CONSERVATION SYSTEMS

DRY CROPLAND GUIDESHEETS 1/

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 134 or less
L = 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY THE FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE AND IS BSED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH ARPIL.

DRY CROP ALTERNATIVES:2/

ALTERNATIVE #1: CONTINUOUS WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT - 750 LBS

ALTERNATIVE #2: WHEAT/FALLOW/WHEAT

MINIMUM GROWING CROP AMOUNTS	WHEAT - 750 LBS
STANDING WHEAT RESIDUE	WHEAT - 400 LBS
FLAT WHEAT RESIDUE	WHEAT - 900 LBS

ALTERNATIVE #3: CONTINUOUS GRAIN SORGHUM

FLAT STALKS W/LEAVES	MILO - 2500 LBS
FLAT STALKS ONLY	MILO - 4500 LBS
STANDING GRAIN SORGHUM STALKS	MILO - 2000 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO - 1100 LBS

ALTERNATIVE #4: WHEAT/MILO/FALLOW

MINIMUM GROWING WHEAT AMUUNTS	WHEAT - 750 LBS
STANDING WHEAT RESIDUE	WHEAT - 400 LBS
FLAT WHEAT RESIDUE	WHEAT - 900 LBS
FLAT STALKS W/LEAVES	MILO - 2500 LBS
FLAT STALKS ONLY	MILO - 4500 LBS
STANDING GRAIN SORGHUM STALKS	MILO - 2000 LBS
STANDING GRAIN SORGHUM RESIDUE	MILO - 1100 LBS

PORTALES F.O. I-134 DRY CROPLAND ALT

ALTERNATIVE #5: ANY ROTATION WITH COMPARABLE LEVELS OF PROTECTION AS THE PRECEDING ALTERNATIVES.

1/ - CONSERVATION SYSTEMS IN THIS GUIDESHEET OR ANY OTHERS USING THIS CRITERIA ARE NOT TO BE USED IN THE CASE OF SODBUSTING.

2/ - WATER EROSION CONTROL PRACTICES MAY BE ADDED IF WATER EROSION RATES ARE DETERMINED TO BE UNACCEPTABLE.

DRY CROPLAND MANAGEMENT REQUIREMENTS:

GRAIN SORGHUM: LEAVE THE MINIMUM SPECIFIED AMOUNT OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

COTTON: LEAVE THE MINIMUM SPECIFIED AMOUNT OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

WHEAT: LEAVE THE MINIMUM AMOUNT OF GROWING WHEAT AND/OR WHEAT RESIDUES ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

DOUBLE CROPPING: ALLOWABLE WITHIN THE ALTERNATIVES AS LONG AS THE STATED RESIDUES REMAIN.

FALLOW, SET-ASIDE: LEAVE REQUIRED AMOUNTS OF RESIDUE ON THE SOIL SURFACE AS NEAR PLANTING TIME AS POSSIBLE.

GRAZING: GRAZING IS ALLOWED AS LONG AS THE MINIMUM REQUIRED AMOUNT OF RESIDUES REMAIN ON THE SOIL SURFACE.

EMERGENCY TILLAGE: WHEN IT IS IMPOSSIBLE TO PRODUCE SUFFICIENT RESIDUES TO MEET EROSION REQUIREMENTS, THROUGH NO FAULT OF THE PRODUCER, OR MANDATORY PLOWDOWN IS REQUIRED, THE SOIL SHOULD BE KEPT IN A ROUGH CONDITION BY LISTING, CHISELING, OR OTHER MEANS.

NON-COMPLIANCE: WILL NOT OCCUR IF RESIDUE REQUIREMENTS ARE NOT MET THROUGH NO FAULT OF THE PRODUCER. NON-COMPLIANCE WILL OCCUR IF RESIDUE WAS GROWN AND DESTROYED EITHER BY PLOWING OR GRAZING.

SWCD BOARD REPRESENTATIVE	3/11/88 DATE
Kenneth R. Walker DISTRICT CONSERVATIONIST	7/8/88 DATE
Robert D. Bruce AREA CONSERVATIONIST	7/25/88 DATE
Ray Margo Jr. STATE CONSERVATIONIST	8/19/88 DATE

FEB 16 1989

STATE OFFICE
SCS
ALBUQ., NM

FEB 21 7 49 AM '89

TG Section III-A-2 PORTALES FIELD OFFICE

ALTERNATIVE CONSERVATION SYSTEMS

DRY CROPLAND GUIDESHEETS 1/

AMENDMENT

RESOURCE DATA:
MLRA - 77D
WEG - 3,4,4L,5,6

WEQ:
C = 120
I = 134 or less
L = 3000
K = .6

THESE ALTERNATIVE GUIDESHEETS WERE DEVELOPED BY THE FIELD OFFICE WITH IMPUT FROM THE ROOSEVELT SWCD BOARD OF SUPERVISORS AND THE ASCS COUNTY COMMITTEE AND IS BASED ON THE MOST COMMONLY USED CROP ROTATIONS AND TILLAGE OPERATIONS IN THE AREA. CRITICAL EROSION PERIOD IS NOVEMBER THROUGH ARPIL.

DRY CROP ALTERNATIVES:2/

ALTERNATIVE #1: GRAIN SORGHUM/COTTON
REFER TO MANAGEMENT STATEMENTS FOR RESIDUE REQUIREMENTS

DRY CROPLAND MANAGEMENT REQUIREMENTS:

GRAIN SORGHUM: WILL BE PLANTED IN JUNE AND HARVESTED IN OCTOBER. 1650# OF STANDING RESIDUE WILL BE LEFT UNTIL APPROXIMATELY MARCH 15, WHEN DEEP BREAKING OCCURS. LISTING WILL BE DONE IN APRIL TO PREPARE LAND FOR PLANTING COTTON IN MAY OR EARLY JUNE.

COTTON: HARVEST COTTON AND LEAVE APPROXIMATELY 1350# OF STANDING COTTON RESIDUE UNTIL JANUARY THEN SHRED STALKS AND DEEP BREAK OR CHISEL. LAND WILL THEN BE LEFT ALONE UNTIL LISTED IN APRIL OR MAY AND PLANTED TO MILO.

EMERGENCY TILLAGE: WHEN IT IS IMPOSSIBLE TO PRODUCE SUFFICIENT RESIDUES TO MEET EROSION REQUIREMENTS, THROUGH NO FAULT OF THE PRODUCER, OR MANDATORY PLOWDOWN IS REQUIRED, THE SOIL SHOULD BE KEPT IN A ROUGH CONDITION BY LISTING, CHISELING, OR OTHER MEANS.

NON-COMPLIANCE: WILL NOT OCCUR IF RESIDUE REQUIREMENTS ARE NOT MET THROUGH NO FAULT OF THE PRODUCER. NON-COMPLIANCE WILL OCCUR IF RESIDUE WAS GROWN AND DESTROYED EITHER BY PLOWING OR GRAZING.

1/CONSERVATION SYSTEMS IN THIS GUIDESHEETS OR ANY OTHERS USING THIS CRITERIA ARE NOT TO BE USED IN THE CASE OF SOD-BUSTING.

2/THE PLANNED CONSERVATION SYSTEM USING THIS GUIDE SHEET MUST NOT EXCEED THE PRESENT EROSION LOSSES ON A FARM. CONSERVATION PLANS SHOULD BE DEVELOPED TO REDUCE THE PRESENT EROSION LOSSES WHERE POSSIBLE, OR AT LEAST MAINTAIN THE EXISTING EROSION LEVELS, IF ACCEPTABLE TO THE LOCAL SWCD.

George Hay	2-28-89
SWCD BOARD REPRESENTATIVE	DATE
Ken Walker	2/10/89
DISTRICT CONSERVATIONIST	DATE
John N Vahs (Acting)	2/15/89
AREA CONSERVATIONIST	DATE
[illegible]	3/1/89
STATE CONSERVATIONIST	DATE