

RESOURCE MANAGEMENT SYSTEM

GUIDE SHEET

FOR CROPLAND LAND USE
[Non-Highly Erodible Land]

Major Land Resource Area: 79

Applicable Soils:	Farnum, 1; Kaski, 1; Zenda, 1; Farnum, 1, 0-1; Farnum, 1, 1-3; Zenda, c1; Zenda-Slickspots, complex; Ost, c1, 0-1; Ost, c1, 1-4; Zenda, c1; Farnum, 1, 0-3; Farnum-Slickspots, complex; Zenda-Natrustolls, complex. Farnum-Carwile, Naron, 1, 0-1, Naron, 1, 1-3.			
	I value=48	K value = .28	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Kaw, sil; Kaw, sil, frequently flooded.			
	I value=48	K value = .32	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Tabler, c1; Tabler-Slickspots, complex.			
	I value=48	K value = .37	Average Slope =	250' LENGTH 2% T=4
Applicable Soils:	Lubbock, sil; Bethany, sic1, 1-4; Bethany, sil, 0-1; Bethany, sil, 1-3; Blanket, sil.			
	I value=48	K value = .37	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Slickspots; Drummond, complex.			
	I value=48	K value = .43	Average Slope =	250' LENGTH 2% T=3
Applicable Soils:	Waldeck, 1.			
	I value=56	K value = .28	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Canadian fs1; Naron, fs1, 0-1; Naron, fs1, 1-3; Naron-Farnum, complex; Naron-Pratt, complex; Farnum, fs1, 0-2; Plevna, fs1; Waldeck, fs1.			
	I value=86	K value = .20	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Carwile, fs1; Carwile-Farnum, fs1; Attica, fs1, 1-4.			
	I value=86	K value = .24	Average Slope =	250' LENGTH 2% T=5
Applicable Soils:	Clark, complex, 1-4; Clark, 1, red variant, 1-4.			
	I value=86	K value = .28	Average Slope =	250' LENGTH 2% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
#2							
Conservation Cropping Sequence-S,S,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			
#3							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	
#4							
Conservation Cropping Sequence-S,S,W	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			
#5							
Conservation Cropping Sequence-S,S,W, and 5 yrs. Meadow	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			
#6							
Pasture and Hayland Planting	X			X		X	
#7							
Range Seeding	X			X		X	

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#8

Tree Planting	X	X	X
Wildlife Upl. Hab. Mgt.		X	

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Applicable Soils: Farnum, 1, 3-6; Farnum, cl, 3-6.

I value=48 K value = .28 Average Slope = 175' LENGTH 5% T=5

Applicable Soils: Naron, fs1, 0-1; Farnum, fs1, 0-1.

I value=86 K value = .20 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Albion, sl, 1-4.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=3

Applicable Soils: Canadian, variant, sl.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: Canadian, fs1; Farnum, fs1; Naron, fs1, 0-3; Waldeck, fs1;
Canadian, fs1, sandy subsoil, Naron, fs1; Naron-Farnum,
complex; Plevna, soils; Plevna, soils, channeled; Naron,
fs1, 1-3; Plevna fs1.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Naron, fs1, 3-6.

I value=86 K value = .20 Average Slope = 175' LENGTH 5% T=5

Applicable Soils: Attica, fs1, 0-1.

I value=86 K value = .24 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Carwile, fs1; Attica, fs1, 1-3; Attica-Carwile, fs1;
Carwile-Slickspots, complex; Attica, sl, 1-4; Attica, fs1, 1-4;
Carwile, complex.

I value=86 K value = .24 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Lesho, cl; Zenda, cl, saline.

I value=86 K value = .28 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: Clark, 1, 1-3.

I value=86 K value = .28 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Wet Alluvial Land; Kingman, sic1.

I value=86 K value = .32 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Naron, 1fs, 0-1; Kanza-Plevna, complex; Dillwyn-Plevna, 1fs.
Dillwyn-Plevna, complex.

I value=134 K value = .17 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Attica, 1fs, 1-4.

I value=134 K value = .17 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Pratt, 1fs, rolling; Pratt-Carwile, 1fs, 0-5;
Pratt, 1fs, hummocky; Pratt, 1fs, undulating; Pratt-Brazos, 1fs.
Attica-Carwile, complex, 0-4; Pratt-Carwile, complex;
Pratt, 1fs, 1-5; Pratt, 1fs, 5-10; Pratt-Carwile, complex, 0-8.

I value=134 K value = .17 Average Slope = 175' LENGTH 5% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion * Water Animal Resource Water Offsite Control Disposal Waste & Management Management Effects & Water Agri.-Chem. Quality Management						
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
#2							
Conservation Cropping Sequence-S,S,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			

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#3					
Conservation Cropping Sequence-W,W	X	X	X	X	X
Crop Residue Use	X	X	X	X	X
Conservation Tillage [30 percent cover]	X	X	X	X	X
#4					
Conservation Cropping Sequence-S,S,W, and 5 yrs. Meadow	X	X	X	X	X
Crop Residue Use	X	X	X	X	X
Wildlife Upl. Hab. Mgt.			X		
#5					
Pasture and Hayland Planting	X		X		X
#6					
Range Seeding	X		X		X
#7					
Tree Planting	X		X		X
Wildlife Upl. Hab. Mgt.			X		

* Conservation systems are the erosion control component of resource management systems [column 1] and, as such, become the minimum acceptable level for the Food Security Act. The average annual soil loss shall not exceed the soil loss tolerance value (T).

** Different conservation practices can be substituted to form various combinations for treatment options to achieve both erosion control and complete resource management systems. USLE and WEQ factors used are MLRA averages. Site specific factors should be adjusted for local conditions.

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[Highly Erodible Land]

Major Land Resource Area: 79

Applicable Soils: Natrustolls.

I value=48 K value = .43 Average Slope = 150' LENGTH 10% T=3

Applicable Soils: Sandy Breaks-Alluvial Land , complex.

I value=86 K value = .20 Average Slope = 150' LENGTH 10% T=3

Applicable Soils: Platte, fsl; Platte, soils; Platte, complex.

I value=86 K value = .24 Average Slope = 150' LENGTH 10% T=2

Applicable Soils: Dillwyn-Tivoli, complex, 0-15; Pratt-Tivoli, lfs, rolling;
Las Animas, lfs; Croft, soils; Tivoli, soils, hummocky;
Pratt-Tivoli, lfs; Dillwyn-Tivoli, lfs, 0-15;
Pratt-Tivoli, lfs, hummocky; Dillwyn-Tivoli, complex.

I value=134 K value = .17 Average Slope = 175' LENGTH 8% T=5

Applicable Soils: Tivoli, fs, hilly; Blown-Out Land; Tivoli, fs.

I value=310 K value = .15 Average Slope = 175' LENGTH 8% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion * Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-S,W	X		X	X	X	X	
Conservation Tillage [80 percent cover]	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	
Irrigation Water Mgt.	X			X	X	X	
#2							
Pasture and Hayland Planting	X			X		X	

#3				
Range Seeding	X		X	X
#4				
Tree Planting	X		X	X
Wildlife Upl. Hab. Mgt.			X	

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FOR CROPLAND LAND USE
[Non-Highly Erodible Land]

Major Land Resource Area: 80A

Applicable Soils: Tabler, sic1.

I value=38 K value = .37 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: Brewer, sic1; Brewer, complex.

I value=38 K value = .37 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Farnum, 1, 1-3; Zenda, fs1; Kaski, 1; Zenda, c1;
Milan, 1, 1-3.

I value=48 K value = .28 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Nashville, sil, 1-3.

I value=48 K value = .32 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: Minco, sil, 1-3; Pond Creek, sil, 1-3; Elandco, sil;
Corbin, sil; Dale and Reinach, sil; Elandco, sic1;
Elandco, sil, frequently flooded; Vanoss, sil, 1-3.

I value=48 K value = .32 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Bethany, sil, 1-3.

I value=48 K value = .37 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: McLain, sil; Blanket, sil, 1-3.

I value=48 K value = .37 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Kirkland-Renfrow, soils, 1-3; Renfrow, c1;
Kirkland, sil, 1-3; Kirkland, sic1, 1-3; Renfrow, complex, 1-3.

I value=48 K value = .43 Average Slope = 250' LENGTH 2% T=4

Applicable Soils: Canadian, fs1; Farnum, s1, 0-2; Shellabarger, s1, 1-3;
Waldeck, fs1; Canadian, s1; Crisfield, s1.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Shellabarger, s1, 3-6.

I value=86 K value = .20 Average Slope = 175' LENGTH 5% T=5

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Applicable Soils: Zavala, fs1; Carwile, fs1; Carwile, soils.

I value=86 K value = .24 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Clark, c1, 1-4.

I value=86 K value = .28 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Wet Alluvial Land; Kingman, sic1; Ruella, c1, 1-4.

I value=86 K value = .32 Average Slope = 250' LENGTH 2% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
#2							
Conservation Cropping Sequence-S,S,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			
#3							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	
Conservation Tillage [30 percent cover]	X		X	X	X	X	

(3)

#4					
Conservation Cropping Sequence-S,S,W	X	X	X	X	X
Crop Residue Use	X	X	X	X	X
Conservation Tillage [30 percent cover]	X	X	X	X	X
Wildlife Upl. Hab. Mgt.			X		
#5					
Pasture and Hayland Planting	X		X		X
#6					
Range Seeding	X		X		X
#7					
Tree Planting	X		X		X
Wildlife Upl. Hab. Mgt.			X		

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FOR CROPLAND LAND USE
[Non-Highly Erodible Land]

Major Land Resource Area: 80A

Applicable Soils: Farnum, 1, 0-1; Farnum-Natrustolls, complex, 0-1;
Milan, 1, 0-1.

I value=48 K value = .28 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Minco, sil, 0-1; Pond Creek, sil, 0-1; Vanoss, sil, 0-1.

I value=48 K value = .32 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Bethany, sil, 0-1.

I value=48 K value = .37 Average Slope = 250' LENGTH 1% T=4

Applicable Soils: Blanket, sil, 0-1.

I value=48 K value = .37 Average Slope = 250' LENGTH 1% T=5

Applicable Soils: Kirkland, sil, 0-1; Waurika, sil.

I value=48 K value = .43 Average Slope = 250' LENGTH 1% T=4

Applicable Soils: Clark, cl, 0-1.

I value=86 K value = .28 Average Slope = 250' LENGTH 1% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Crop Residue Use	X		X	X	X	X	

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#2					
Conservation Cropping	X	X	X	X	X
Sequence-S,S,W					
Crop Residue Use	X	X	X	X	X
Wildlife Up1. Hab. Mgt.			X		
#3					
Pasture and Hayland	X		X		X
Planting					
#4					
Range Seeding	X		X		X
#5					
Tree Planting	X		X		X
Wildlife Up1. Hab. Mgt.			X		

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FOR CROPLAND LAND USE
[Highly Erodible Land]

Major Land Resource Area: 80A

Applicable Soils: Farnum, 1, 3-6; Farnum, c1, 2-6, eroded; Farnum, 1, 2-6, eroded;
Milan, 1, 3-6; Milan, 1, 3-6, eroded.

I value=48 K value = .28 Average Slope = 175' LENGTH 5% T=5

Applicable Soils: Minco, s11, 3-6; Dale, s11, 2-8; Pond Creek, s11, 3-6; Pond Creek,
sic1, 2-6, eroded; Vanoss, s1, 3-6.

I value=48 K value = .32 Average Slope = 175' LENGTH 5% T=5

Applicable Soils: Albion, s1, 1-3.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=3

Applicable Soils: Albion, s1, 3-6.

I value=86 K value = .20 Average Slope = 175' LENGTH 5% T=3

Applicable Soils: Waldeck, fs1; Shellabarger, s1, 3-6; Shellabarger, s1, 3-6, eroded.

I value=86 K value = .20 Average Slope = 175' LENGTH 5% T=5

Applicable Soils: Case-Clark, c1, 2-6.

I value=86 K value = .32 Average Slope = 174' LENGTH 5% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion * Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Contour Farming	X	X				X	

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#2						
Conservation Cropping Sequence-S,S,W	X		X	X	X	X
Waterways	X	X		X	X	X
Crop Residue Use	X		X	X	X	X
Terraces	X	X	X	X	X	X
Contour Farming	X	X				X
Wildlife Upl. Hab. Mgt.				X		
#3						
Conservation Cropping Sequence-W,W	X		X	X	X	X
Crop Residue Use	X		X	X	X	X
Conservation Tillage [80 percent cover]	X		X	X	X	X
#4						
Conservation Cropping Sequence-S,S,W	X		X	X	X	X
Crop Residue Use	X		X	X	X	X
Conservation Tillage [80 percent cover]	X		X	X	X	X
Wildlife Upl. Hab. Mgt.				X		
#5						
Pasture and Hayland Planting	X			X		X
#6						
Range Seeding	X			X		X
#7						
Tree Planting	X			X		X
Wildlife Upl. Hab. Mgt.				X		

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Major Land Resource Area: 80A

Applicable Soils: Breaks-Alluvial Land, complex; Ustifluvents, channeled;

I value=48 K value = .32 Average Slope = -- T=5

Applicable Soils: Owinlan, 1, 3-5.

I value=86 K value = .32 Average Slope = -- T=2

Applicable Soils: Ruella-Rock outcrop, complex. 3-40.

I value=86 K value = .32 Average Slope = -- T=5

Applicable Soils: Owens, cl, 3-8; Owens-Elando, complex, 0-25, Owens-Renfrow,
complex, 2-6, eroded; Owens-Shale Outcrop, complex, 8-25.

I value=86 K value = .37 Average Slope = -- T=2

Applicable Soils: Tivoli, fs, hilly.

I value=310 K value = .15 Average Slope = -- T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion *	Water	Animal	Resource	Water	Offsite	
	Control & Water Quality	Disposal	Waste & Agri.-Chem. Management	Management	Management	Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1 Pasture and Hayland Planting	X			X		X	
#2 Range Seeding	X			X		X	
#3 Tree Planting Wildlife Upl. Hab. Mgt.	X			X		X	

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Applicable Soils: Nashville-Quinlan, complex, 5-15.

I value=48 K value = .32 Average Slope = 150' LENGTH 10% T=4

Applicable Soils: Albion, s1, 6-15.

I value=86 K value = .20 Average Slope = 150' LENGTH 10% T=3

Applicable Soils: Shellbarger and Albion soils, 7-15.

I value= 86 K value = .20 Average Slope = 150' LENGTH 10% T=5

Applicable Soils: Lesho, 1; Lesho, c1.

I value=86 K value = .28 Average Slope = 250' LENGTH 1% T=4

Applicable Soils: Case-Clark, c1, 6-15.

I value=86 K value = .32 Average Slope = 150' LENGTH 10% T=5

Applicable Soils: Pratt, 1fs, undulating; Shellabarger, 1fs, undulating; Dillwyn-Plevna, complex;
Lincoln, 1s; Pratt-Carwile, complex, undulating; Pratt-Tivoli, 1fs, rolling;
Shellabarger, 1s, 0-3; Lincoln soils.

I value= 134 K value = .17 Average Slope = 250' LENGTH 2% T=5

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion * Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Contour Farming	X	X				X	

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#2						
Conservation Cropping Sequence-S,S,W	X		X	X	X	X
Waterways	X	X		X	X	X
Crop Residue Use	X		X	X	X	X
Terraces	X	X	X	X	X	X
Contour Farming	X	X				X
Wildlife Upl. Hab. Mgt.				X		
#3						
Pasture and Hayland Planting	X			X		X
#4						
Range Seeding	X			X		X
#5						
Tree Planting	X			X		X
Wildlife Upl. Hab. Mgt.				X		

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FOR CROPLAND LAND USE
[Highly Erodible Land]

Major Land Resource Area: 80A

Applicable Soils: Blanket, sil, 1-4.

I value=48 K value = .37 Average Slope = 250' LENGTH 2% T=5

Applicable Soils: Albion, sl, 0-1.

I value=86 K value = .20 Average Slope = 250' LENGTH 2% T=3

Applicable Soils: Quinlan, l, 1-3.

I value=86 K value = .32 Average Slope = 250' LENGTH 2% T=2

Applicable Soils: Owens, cl, 1-4; Owens, cl, 1-3.

I value=86 K value = .37 Average Slope = 250' LENGTH 2% T=2

RESOURCE MANAGEMENT TREATMENT OPTIONS **

Option	Erosion * Control & Water Quality	Water Disposal	Animal Waste & Agri.-Chem. Management	Resource Management	Water Management	Offsite Effects	
	[1]	[2]	[3]	[4]	[5]	[6]	[7]
#1							
Conservation Cropping Sequence-W,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
#2							
Conservation Cropping Sequence-S,S,W	X		X	X	X	X	
Waterways	X	X		X	X	X	
Crop Residue Use	X		X	X	X	X	
Terraces	X	X	X	X	X	X	
Wildlife Upl. Hab. Mgt.				X			

#3					
Conservation Cropping Sequence-W,W	X	X	X	X	X
Crop Residue Use	X	X	X	X	X
Conservation Tillage [30 percent cover]	X	X	X	X	X
#4					
Conservation Cropping Sequence-S,S,W	X	X	X	X	X
Crop Residue Use	X	X	X	X	X
Conservation Tillage [30 percent cover]	X	X	X	X	X
Wildlife Upl. Hab. Mgt.			X		
#5					
Pasture and Hayland Planting	X		X		X
#6					
Range Seeding	X		X		X
#7					
Tree Planting	X		X		X
Wildlife Upl. Hab. Mgt.			X		

* Conservation systems are the erosion control component of resource management systems [column 1] and, as such, become the minimum acceptable level for the Food Security Act. The average annual soil loss shall not exceed the soil loss tolerance value (T).

** Different conservation practices can be substituted to form various combinations for treatment options to achieve both erosion control and complete resource management systems. USLE and WEQ factors used are MLRA averages. Site specific factors should be adjusted for local conditions.