

GUIDANCE DOCUMENT

SEC III—IL—TECHNICAL GUIDE
Guidance Documents—Cropland

Identified problems: Deep rapid permeable, nearly level soils formed in sandy glacial outwash on uplands which are farmed intensely to row and specialty crops. These soils are also subject to a high seasonal water table, low available water capacity and natural fertility and the hazard of soil blowing.

Resource Setting

CRA-S-MLRA-98

Soils: 49 (Watseka), 501 Morocco

Land use: Specialty Crops

Applied practices: Surface Drainage Ditches

Tillage operations: Center pivot irrigation, mulch till <30% residue

RESOURCE CONCERNS	SOIL				WATER						AIR	
	Erosion		Deposition		Quantity		Quality Ground Water		Surface Water		Condition	
	Wind	Ephemeral	Onsite	Offsite	Restricted Capacity Onsite	Restricted Capacity Offsite	Pesticides	Nutrients Organic	Pesticides	Nutrient Organic	Temperature	Movement
329a Residue Management (No Till)	Sig+	SI+	Mod+	Mod+	Mod+	Mod-	Mod+	Mod+	Mod+	Mod+	0	SI+
340 Cover Crop	Mod+	SI+	SI+	SI+	SI+	SI+	SI+	SI+	SI+	SI+	SI+	SI+
342 Critical Area Planting	Sig+	Sig+	Mod	Mod	SI+	Mod+	0	0	0	0	SI+	SI+
380 Windbreak/Shelterbelt Establishment	Mod+	N/A	SI+	SI+	0	0	0	0	0	0	Mod+	Mod+
386 Field Border	Mod	0	0	0	0	0	0	0	0	0	SI+	SI+
442 Irrigation System Sprinkler	0	SI-	SI+	SI+	Mod+	Mod+	SI+	SI+	SI+	SI+	0	0
449 Irrigation Water Management	SI+	SI-	Mod+	SI+	0	0	0	SI+	SI+	SI+	0	0
590 Nutrient Management	0	0	0	0	0	0	Mod+	0	0	0	0	0
595 Pest Management	0	0	0	0	SI-	SI-	Mod+	Mod+	Mod+	Mod+	N/A	N/A
606 Subsurface Drainage	SI+	SI+	0	0	SI-	SI-	SI+	SI+	SI+	SI+	0	N/A
608 Surface Drainage, Main or Lateral	0	SI+	0	0	Mod+	Mod+	SI+	SI+	SI	SI+	SI+	0
612 Tree Planting/Shrub Establishment	SI+	Sig+	SI+	SI+	Mod+	Mod+	Mod+	Mod+	Mod+	Mod+	SI+	Mod+
645 Upland Wildlife Management	Mod+	Mod+	Mod-	Mod-	Mod+	Mod+	Mod+	SI+	0	0	SI+	SI+
644 Wetland Wildlife Habitat Management	SI+	SI	SI	0	SI+	Mod	0	0	Mod	Mod	Mod	Mod

GUIDANCE DOCUMENT (continued)

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RESOURCE CONCERNS	PLANTS		ANIMALS	
	Management		Habitat (wildlife)	
RMS Practices	Estimated Growth, Harvest	Nutrient Management	Cover/Shelter	Population Resource Balance
329a Residue Management (No Till)	SI-	SI-	Mod+	SI+
340 Cover & Green Manure Crop	SI+	SI+	SI+	SI+
342 Critical Area Planting	SI+	Mod+	SI+	Mod+
380 Windbreak/Shelterbelt Establishment	0	0	Mod+	SI+
386 Field Border	N/A	N/A	Mod+	SI+
422 Irrigation System Sprinkler	SI+	Mod+	N/A	N/A
449 Irrigation Water Management	Mod+	Mod+	Mod+	SI+
590 Nutrient Management	SI+	N/A	Mod+	SI+
595 Pest Management	SI+	N/A	Mod+	Mod+
606 Subsurface Drainage	SI+	SI+	SI+	SI+
608 Surface Drainage, Main or Lateral	Mod+	Mod+	Mod+	Mod+
612 Tree Planting/Shrub Establishment	Mod+	Mod+	Mod+	Mod+
645 Upland Wildlife Management	Mod+	N/A	SI+	Mod+
644 Wetland Wildlife Habitat Management	0	0	0	0