

GUIDANCE DOCUMENT

SEC III—IL—TECHNICAL GUIDE
Guidance Documents—Cropland

Identified problems: Scouring and deposition tends to be a problem in this area due to runoff from the uplands and the inability of ditches to handle the runoff. Seep water from the Mississippi River, makes it difficult to plant and harvest when the river is high for long duration; sometimes causing flooding problem. Ground preparation and harvest is done sometime when ground is too wet, and this is causing soil compaction problems. The lack of vegetation and tillage operation, adjacent to ditch channel is causing unstable ditch banks.

Resource Setting

CRA-B-MLRA-115B

Soils: 456 Ware

Land use: Cropland (corn-soybeans)

Applied practices: Drainage ditch

Tillage operations: Chisel/disc, 10% Residue

RESOURCE CONCERNS	SOIL					WATER							
	Erosion		Condition	Deposition		Quantity				Quality Ground		Surface	
	Streambank	Scour	Compaction	Onsite Damage	Offsite Damage	Seep Excess Amounts	Runoff/Ponding	Poor Soil Drainage	Inadequate Outlets	Pesticides	Nutrients & Organics	Pesticides	Nutrients & Organics
Alt. #1													
328 Conservation Crop Rotation	0	0	0	0	0	0	SI+	0	0	SI+	0	0	0
329b Residue Management, Mulch Till	0	SI+	Sig+	Mod+	Mod+	SI+	SI+	SI-	0	0	0	Mod+	Sig+
342 Critical Area Planting	Mod+	Sig+	Mod+	Sig+	Sig+	Mod-	Mod+	0	0	N/A	N/A	0	0
393 Filter Strip	0	SI+	Mod+	Sig+	Mod+	0	0	0	0	SI-	SI-	SI+	SI+
590 Nutrient Management	0	0	0	0	0	0	0	0	0	0	Sig+	0	Sig+
595 Pest Management	N/A	0	0	0	0	N/A	N/A	N/A	N/A	Sig+	0	Sig+	0
608 Surface Drainage, Main or Lateral	0	0	SI+	0	0	Sig+	Sig+	Mod+	Mod+	SI+	SI+	SI-	SI-

GUIDANCE DOCUMENT (continued)

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RESOURCE CONCERNS	AIR	PLANTS			ANIMALS	
	Quality	Management			Food	Cover or Shelter
RMS Practices	Airborne Chemical Drift	Establishment	Nutrient Management	Pest		
Alt. #1						
328 Conservation Crop Rotation	0	0	0	0	0	0
329b Residue Management, Mulch Till	SI-	0	0	0	Sig+	SI+
342 Critical Area Planting	N/A	Sig+	Sig+	N/A	Sig+	Mod+
393 Filter Strip	0	0	0	SI-	Mod+	Sig+
590 Nutrient Management	0	Sig+	Sig+	SI+	Sig+	SI+
595 Pest Management	Mod+	Sig+	N/A	Sig+	Mod+	SI-
608 Surface Drainage, Main or Lateral	0	Sig+	SI+	SI+	0	0