

**Resource Setting:** Field crops adjacent to surface water. Manure applied. Irrigated.

**RMS Alternative #1**

Conservation Crop  
 Rotation (328)  
 Filter Strip (393)  
 Grassed Waterway (412)  
 Grade Stabilization  
 Structure (410)  
 Irrigation Water  
 Management (449)  
 Nutrient Management  
 (590)  
 Pest Management (595)  
 Residue Management  
 (one or more of the  
 following):  
 Mulch Till (329B)  
 No-till and Strip Till  
 (329A)  
 Riparian Forest Buffer  
 (391)  
 Streambank and Shoreline  
 Protection (580)

**RMS Alternative #2**

Conservation Crop  
 Rotation (328)  
 Critical Area Planting  
 (342)  
 Filter Strip (393)  
 Irrigation Water  
 Management (449)  
 Lined Waterway or Outlet  
 (468)  
 Nutrient Management  
 (590)  
 Pest Management (595)  
 Riparian Forest Buffer  
 (391)  
 Streambank and Shoreline  
 Protection (580)  
 Windbreak/Shelterbelt  
 Establishment (380)

**RMS Alternative #3**

Typical Resource Concerns	Practices that can effectively treat the resource concern*
<b>SOIL Erosion</b>	
1) Sheet & rill erosion	Alley Cropping (311) Conservation Cover (327) Conservation Crop Rotation (328) Contour Farming (330) Cover Crop (340) Critical Area Planting (342) Irrigation Water Management (449) Mulching (484) Pasture and Hayland Planting (512) Residue Management, Mulch Till (329B) Residue Management, No-till and Strip Till (329A) Residue Management, Ridge Till (329C) Residue Management, Seasonal (344) Terrace (600)
2) Wind erosion	Alley Cropping (311) Conservation Cover (327) Conservation Crop Rotation (328) Cover Crop (340) Critical Area Planting (342) Cross Wind Trap Strip – Field (589C) Drainage Water Management (554) Herbaceous Wind Barrier (422A) Pasture and Hayland Planting (512)

\* Practices must be installed according to NRCS practice standards found in FOTG Section IV. General criteria (or design criteria), Additional Criteria specific to the resource concern, and Operation and Maintenance requirements must be met.

Typical Resource Concerns	Practices that can effectively treat the resource concern *
	Residue Management, Mulch Till (329B) Residue Management, No-till and Strip Till (329A) Residue Management, Ridge Till (329C) Residue Management, Seasonal (329C) Windbreak/Shelterbelt Establishment (380)
3) Ephemeral gully/concentrated flow erosion	Critical Area Planting (342) Diversion (362) Field Border (386) Heavy Use Area Protection (561) Grassed Waterway (412) Pasture and Hayland Planting (512) Water and Sediment Control Basin (638)
4) Classic gully/concentrated flow erosion	Diversion (362) Grade Stabilization Structure (410) Lined Waterway or Outlet (468) Water and Sediment Control Basin (638)
5) Other erosion	Heavy Use Area Protection (561) Streambank and Shoreline Protection (580) Stream Crossing and Livestock Access (728)
<b>WATER Quality – ground water</b>	
1) Pesticides	Conservation Crop Rotation (328) Irrigation Water Management (449) Pest Management (595) Well Decommissioning (351)
2) Nutrients	Cover Crop (340) Irrigation Water Management (449) Nutrient Management (590) Waste Utilization (633) Well Decommissioning (351)
<b>WATER Quality – surface water</b>	
1) Pesticides	Conservation Crop Rotation (328) Cross Wind Trap Strip-Filter (589C) Field Border (386) Filter Strip (393) Irrigation Water Management (449) Pest Management (595) Residue Management, Mulch Till (329B) Residue Management, No-Till & Strip Till (329A) Riparian Forest Buffer (391)

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Typical Resource Concerns	Practices that can effectively treat the resource concern *
2) Livestock operations	Constructed Wetland (656) Cover Crop (340) Cross Wind Trap Strip-Filter (589C) Field Border (386) Filter Strip (393) Irrigation Water Management (449) Nutrient Management (590) Residue Management, Mulch Till (329B) Residue Management, No-Till & Strip Till (329A) Riparian Forest Buffer (391) Waste Utilization (633)
3) Nutrients/sediments	Cover Crop (340) Cross Wind Trap Strip – Filter (589C) Field Border (386) Filter Strip (393) Grade Stabilization Structure (410) Grassed Waterway (412) Heavy Use Area Protection (561) Irrigation Water Management (449) Nutrient Management (590) Residue Management, Mulch Till (329B) Residue Management, No-Till & Strip Till (329A) Riparian Forest Buffer (391) Riparian Herbaceous Cover (390) Stream Channel Stabilization (584) Stream Habitat Improvement and Management (395)
<b>WATER Quantity</b>	
1) Irrigation Water Source	Irrigation Water Management (449)
<b>AIR</b>	
1) Airborne Chemical Drift	Pest Management (595)
2) Airborne Odors	
<b>PLANTS</b>	
1) Invasive species and noxious weeds	Pest Management (595)
<b>ANIMAL Habitat</b>	
1) Wildlife Habitat secondary purpose	Conservation Crop Rotation (328) Conservation Cover (327) Contour Buffer Strips (332) Cross Wind Trap Strip – Field (589C) Early Successional Habitat Development /Mgt(647)
2) Warmwater and coldwater fisheries	Riparian Forest Buffer (391)
<b>ANIMAL Management</b>	
1) Threatened and endangered species	Pest Management (595) Upland Wildlife Habitat Management (645) Wetland Enhancement (659)

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