**North Central Texas Water Quality Project**

Agricultural Best Management Practices

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**Issues of Concern**

- Excess Nutrients
- Phosphorus
- Nitrogen
- Sedimentation
- Run-off
- Bacteria

**Cropland BMP's**

- Filter Strips
- Contour Farming
- Terracing
- Grassed Waterways
- Crop Residue Management
- Cropland Conversion to Pasture
- Fertilizer/Nutrient Management

**Filter Strips**

- Vegetation filter strips work to prevent erosion and absorb nutrients

**Contour Farming**

- Uses the natural landscape as a method of retaining nutrients and sediment
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**Terracing**
- Allows crops to grow with the natural landscape with minimal soil disruption

**Grassed Waterway**
- Allow for the retention of sediment and nutrients within the crop area

**Crop Residue Management**
- Tillage is minimized to allow for retention of nutrients in soil

**Cropland Conversion to Pasture**
- Conversion of cropland to pasture decreases the need for nutrients and stabilizes top soil and ground cover

**Nutrient Management**
- Precision application of fertilizers prevent excess nutrients from entering watershed

**Pasture and Rangeland BMP’s**
- Prescribed Grazing
- Cross Fencing
- Water Facility
- Fertilizer/ Nutrient Management
- Pasture Planting
- Range Planting
- Grassed Waterway
- Riparian Buffer strips
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Prescribed Grazing
- Grazing rotation allows for retention of ground cover, nutrients, and soils

Cross Fencing
- Fencing prevents livestock from entering sensitive riparian areas
- Allows for proper management of ground cover and adds in rotational grazing

Water Facility
- A water tank centered at the confluence of four pastures allows for rotational grazing as well as serves as an alternative watering source instead of streams and creeks

Pasture Planting
- Utilization of native grasses allow for a more hearty ground cover reducing run-off of sediment and nutrients

Range Planting
- Supplementing range cover prevents degradation of lands and soils

Grassed Waterway
- Allow for the retention of sediment and nutrients within the crop area
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Riparian Buffer Strips

• Maintain vegetative cover near streambeds and drainages to reduce erosion and nutrient runoff into watershed