

MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

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| 1. | STATE | Oklahoma | |
| 2. | FIELD OFFICE | Pawhuska & Newkirk | |
| 3. | MLRA | 76 | |
| 4. | COMMON RESOURCE AREA (CRA) | 0076.40.001 | |
| 5. | RESOURCE INTERPRETATIONS | | |
| 5.1 | SOIL | Soils Legend, Technical/Non-Technical Soils Interpretations | |
| 5.2 | WATER | Water Quantity & Quality Interpretations/Water Budgets | |
| 5.3 | AIR | | |
| 5.4 | PLANT | Cropland Interpretations | |
| 5.5 | ANIMAL | Threatened & Endangered Species List, Wildlife Interpretations | |
| 5.6 | HUMAN | | |
| 6. | HYDROLOGIC UNIT | | |
| 7. | SYSTEM TEMPLATE LABEL | BAAZA | |
| 8. | SYSTEM NAME | (76) Wheat, Grain Sorghum, Forage Sorghum & Soybeans | |
| 9. | PLANNING PHASE | BENCHMARK | |
| 10. | PLANNING LEVEL | N/A | |
| 11. | NRCS LANDUSE | Crop | |
| 12. | EXISTING CONSERVATION PRACTICES | | |
| | | <ol style="list-style-type: none"> 1. (344) Residue Management, Seasonal 2. (412) Grassed Waterway 3. (600) Terrace | |
| 13. | SYSTEM NARRATIVE | <p>This system includes continuous wheat (for grain &/or grazing), grain sorghum, forage sorghum and soybeans (or various rotations of these) on soils varying in depth, texture and slope. Soil erosion by water (sheet, rill, and ephemeral) is a concern on sloping cropland. Soils are typically low in organic matter (affecting tilth) and compaction restricts root growth when fields are cultivated when too wet. Flooding occurs adjacent to rivers and streams due to reduced stream capacity. Fertilizers and pesticides are commonly applied without determining plant needs for desired production and pest infestation levels. Grazing occurs without consideration to balancing livestock numbers to forage quantity and quality. Greenbugs and various grassy/broadleaf weeds are common pests.</p> | |
| 14. | RESOURCE CONCERNS | MAGNITUDE/EFFECTS | |
| | <ol style="list-style-type: none"> 1. Soil-Erosion-Sheet & Rill 2. Soil-Erosion-Ephemeral 3. Soil-Condition-Tilth 4. Soil-Condition-Compaction 5. Water-Quantity-Flooding 6. Water-Quant.-Convey. Cap. (On-site) 7. Plants-Management-Nutrient 8. Plants-Management-Pests 9. Animal-Mgmt.-Pop./Res. Bal. | <ol style="list-style-type: none"> 1. Soil loss-8 T/Ac/Yr 2. Soil loss-1 T/Yr 3. Low OM/Soil Cond. Index < 0.0 4. Limited crop root growth 5. Damage/lost production 6. Flooding 7. Improper application of fertilizers 8. Weeds/nutrient & moisture competition 9. Improper stocking/grazed wheat | |