MANAGEMENT SYSTEM TEMPLATE

A. BENCHMARK SYSTEM WORKSHEET

1.	STATE	Oklahoma
2.	FIELD OFFICE	Bristow, Chandler, Guthrie, Oklahoma City, Pawhuska, Pawnee, Perry and Stillwater
3.	MLRA	84A
4.	COMMON RESOURCE AREA (CRA)	084A.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	IAAZA
8.	SYSTEM NAME	(84A) Continuous Wheat, Grain &/or Forage Sorghum
9.	PLANNING PHASE	BENCHMARK
10.	PLANNING LEVEL	N/A
11.	NRCS LANDUSE	Crop
12.	EXISTING CONSERVATION PRACTICES	

1. (344) Residue Management, Seasonal
2. (412) Waterway
3. (600) Terrace

13. SYSTEM NARRATIVE

This system includes continuous wheat (grain and/or grazed out), grain sorghum and forage sorghum (or various rotations of these) on soils varying in depth, texture and slope. Soil erosion by water (sheet, rill, ephemeral and gully) is a concern. Soils are typically low in organic matter (affecting tilth) and compaction restricts root growth when fields are cultivated when too wet. Flooding is common along streams and bottomlands. Fertilizers and pesticides are commonly applied without determining plant needs for desired production and pest infestation levels. Greenbugs and various broadleaf/grassy weeds are common pests.

14.	RESOURCE CONCERNS	MAGNITUDE/EFFECTS
	1. Soil-Erosion-Sheet & Rill	1. Soil loss-8 T/Ac/Yr
	2. Soil-Erosion-Ephemeral	2. Soil loss-1 T/Yr
	3. Soil-Erosion-Gully	3. Soil loss-50 T/Yr
	4. Soil-Condition-Tilth	4. Low OM/Soil Cond. Index <0.0
	5. Soil-Condition-Compaction	5. Limited crop root growth
	6. Water-Quantity-Flooding	6. Damage/lost production
	7. Plants-Management-Nutrient	7. Improper application of fertilizers
	8. Plants-Management-Pests	8. Weeds/nutrient competition