

WATERSHED NAME & CODE		APPLE PLUM - 07060005	
LANDUSE TYPE		CROPLAND/HAYLAND	
ASSESSMENT INFORMATION			
CONSERVATION SYSTEMS BY TREATMENT LEVELS	CURRENT CONDITIONS	FUTURE CONDITIONS	
	Total Units	Existing Unchanged Units	New Treatment Units
Baseline System		Syst	
Total Acreage at Baseline Level		76,786	69,108
Conservation Crop Rotation (ac.) 328	69,108	62,197	0
Grassed Waterway (ac.) 412	1,152	1,037	0
Residue and Tillage Management, Mulch Till (ac.) 345	38,393	34,554	0
Progressive System		Syst	
Total Acreage at Progressive Level		383,932	376,253
Conservation Crop Rotation (ac.) 328	383,932	379,709	384
Contour Buffer Strips (ac.) 332	19,197	18,813	192
Contour Farming (ac.) 330	103,662	101,588	1,037
Grassed Waterway (ac.) 412	7,679	7,583	19
Nutrient Management (ac.) 590	268,752	263,377	2,688
Residue and Tillage Management, Mulch Till (ac.) 345	230,359	227,672	384
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	76,786	75,251	768
Stripcropping (ac.) 585	46,072	45,150	461
Resource Management System (RMS)		Syst	
Total Acreage at RMS Level		51,191	51,191
Conservation Crop Rotation (ac.) 328	51,191	62,325	384
Contour Buffer Strips (ac.) 332	5,119	5,503	768
Contour Farming (ac.) 330	20,476	22,550	2,534
Grade Stabilization Structure (no.) 410	213	213	48
Grassed Waterway (ac.) 412	1,536	1,747	134
Nutrient Management (ac.) 590	51,191	56,566	6,143
Residue and Tillage Management, Mulch Till (ac.) 345	20,476	25,084	0
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	30,715	32,250	5,375
Sediment Basin (no.) 350	13	13	3
Stripcropping (ac.) 585	7,679	8,600	806
Upland Wildlife Habitat Management (ac.) 645	1,280	1,280	288
Waste Storage Facility (no.) 313	43	43	10
Waste Utilization (ac.) 633	10,238	10,238	2,304
CONSERVATION INVESTMENT INFORMATION			
CONSERVATION SYSTEMS BY TREATMENT LEVELS	FUTURE	USDA INVESTMENT	
	New Treatment Units	Installation Cost 50%	Management Cost - 3 yrs 100%
Progressive System Acres Treated		3839.3175	
Conservation Crop Rotation (ac.) 328	384	\$0	\$17,277

Contour Buffer Strips (ac.) 332	192	\$8,638	\$0
Contour Farming (ac.) 330	1,037	\$0	\$149,273
Grassed Waterway (ac.) 412	19	\$58,550	\$0
Nutrient Management (ac.) 590	2,688	\$0	\$84,657
Residue and Tillage Management, Mulch Till (ac.) 345	384	\$0	\$23,036
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	768	\$0	\$77,401
Stripcropping (ac.) 585	461	\$12,209	\$0
	Subtotal	\$79,397	\$351,643
Resource Management System (RMS) Acres Treated	11517.9525		
Conservation Crop Rotation (ac.) 328	384	\$0	\$17,277
Contour Buffer Strips (ac.) 332	768	\$34,554	\$0
Contour Farming (ac.) 330	2,534	\$0	\$364,889
Grade Stabilization Structure (no.) 410	48	\$237,558	\$0
Grassed Waterway (ac.) 412	134	\$409,847	\$0
Nutrient Management (ac.) 590	6,143	\$0	\$193,502
Residue and Tillage Management, Mulch Till (ac.) 345	0	\$0	\$0
Residue Management, No-Till/Strip Till/Direct Seed (ac.) 329	5,375	\$0	\$541,804
Sediment Basin (no.) 350	3	\$7,343	\$0
Stripcropping (ac.) 585	806	\$21,366	\$0
Upland Wildlife Habitat Management (ac.) 645	288	\$0	\$8,638
Waste Storage Facility (no.) 313	10	\$623,889	\$0
Waste Utilization (ac.) 633	2,304	\$0	\$103,662
	Subtotal	\$1,334,556	\$1,229,772
TOTAL ACRES TREATED / ESTIMATED TREATMENT COSTS	15357.27	\$1,413,953	\$1,581,415

	LANDUSE ACRES	511,909		
	TYPICAL UNIT SIZE ACRES	60		
	ESTIMATED PARTICIPATION	3%		
S	RESOURCE CONCERNS			
Total Units	Soil Erosion – Sheet and Rill	Soil Erosion – Ephemeral Gully	Water Quality – Excessive Nutrients and Organics in Surface Water	Fish and Wildlife – Inadequate Cover/Shelter
Item Rating ->	3	4	2	0
69,108				
62,197	3	3	2	0
1,037	0	5	2	1
34,554	4	2	3	1
Item Rating ->	5	5	5	1
380,092				
380,092	3	3	2	0
19,005	4	3	3	1
102,625	3	3	3	0
7,602	0	5	2	1
266,065	1	1	5	1
228,055	4	2	3	1
76,018	5	3	3	1
45,611	4	2	1	1
Item Rating ->	5	5	5	4
62,709				
62,709	3	3	2	0
6,271	4	3	3	1
25,084	3	3	3	0
261	0	4	0	0
1,881	0	5	2	1
62,709	1	1	5	1
25,084	4	2	3	1
37,625	5	3	3	1
16	0	3	3	0
9,406	4	2	1	1
1,568	0	0	0	5
52	0	0	4	0
12,542	1	0	3	0
PRIVATE INVESTMENT				
Technical Assistance 20%	Total Present Value Cost	Installation Cost 50%	Annual O & M + Mgt Costs 100%	Total Present Value Cost
\$3,455	\$18,849	\$0	\$5,759	\$8,865

\$1,728	\$10,366	\$8,638	\$518	\$10,822
\$29,855	\$162,857	\$0	\$49,758	\$76,594
\$11,710	\$70,260	\$58,550	\$2,342	\$68,415
\$16,931	\$92,361	\$0	\$28,219	\$43,439
\$4,607	\$25,132	\$0	\$7,679	\$11,820
\$15,480	\$84,444	\$0	\$25,800	\$39,716
\$2,442	\$14,651	\$12,209	\$0	\$12,209
\$86,208	\$478,921	\$79,397	\$120,075	\$271,880
\$3,455	\$18,849	\$0	\$5,759	\$8,865
\$6,911	\$41,465	\$34,554	\$2,073	\$43,287
\$72,978	\$398,095	\$0	\$121,630	\$187,231
\$47,512	\$285,069	\$237,558	\$4,751	\$257,571
\$81,969	\$491,817	\$409,847	\$16,394	\$478,904
\$38,700	\$211,111	\$0	\$64,501	\$99,289
\$0	\$0	\$0	\$0	\$0
\$108,361	\$591,111	\$0	\$180,601	\$278,009
\$1,469	\$8,811	\$7,343	\$441	\$9,199
\$4,273	\$25,639	\$21,366	\$0	\$21,366
\$1,728	\$9,425	\$0	\$2,879	\$4,433
\$124,778	\$748,667	\$623,889	\$24,956	\$729,011
\$20,732	\$113,095	\$0	\$34,554	\$53,191
\$512,866	\$2,943,154	\$1,334,556	\$458,538	\$2,170,355
\$599,074	\$3,422,074	\$1,413,953	\$578,613	\$2,442,235