Agricultural Water Conservation Grant (FY 2004)

Final Report

to

Texas Water Development Board

Contract # 2004-358-001

October 5, 2005

Texas State Soil and Water Conservation Board

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Summary

The Texas State Soil and Water Conservation Board (TSSWCB) has fully implemented all provisions of the Research and Planning Grant Contract awarded by the Texas Water Development Board (TWDB). The grant award of $115,000 supplemented approximately $950,000 in technical assistance funding allocated to local Soil and Water Conservation Districts (SWCDs) for support of planning and implementing agricultural water conserving Best Management Practices (BMPs) on farms and ranches. Eligible BMPs were those that directly or indirectly produced water savings and those that reduced erosion, a cause of increased sedimentation of Texas' surface water reservoirs.

A total of 197 SWCDs statewide were eligible and willing to participate in this program. The assistance performed by these SWCDs has resulted in an estimated **341,729 ac-ft potential water savings for the state** or approximately **2.97 ac-ft of water conserved for each state dollar spent**.

Introduction

SWCDs provide technical and planning assistance to agricultural producers for implementing conservation BMPs) on their farms and ranches. The Texas State Soil and Water Conservation Board (TSSWCB) received an Agricultural Water Conservation Grant of $115,000 from the Texas Water Development Board (TWDB) for FY2004. The funds from the grant were allotted to eligible SWCDs to support providing technical assistance in planning agricultural water conserving BMPs on farms and ranches. Eligible practices were those that directly or indirectly produced water savings and those that reduced erosion, since erosion results in sedimentation of Texas' surface water reservoirs.

Methods

SWCD Eligibility Criteria

In order for a SWCD to be eligible to participate in the grant program, it had to satisfy at least one of four criteria. The four criteria were:

1. Water Needs

This is a criterion from TWDB based on county data in the 2002 State water plan. Water needs are the difference between projected water demands and available water supplies. Water needs are classified in several categories: municipal, irrigation, manufacturing, etc. Needs were projected in ten-year increments through 2050. County based data for all water needs for the 2050 projection were used. The county data were converted to a GIS layer which was then used to select the SWCDs that contained the counties with projected water needs.

2. Irrigation Conservation Strategies

This is also a criterion from TWDB. In developing the 2002 regional water plans, the planning regions that projected water needs were requested to identify strategies for meeting their water needs. Several planning regions identified irrigation conservation as one of their strategies for meeting their water needs. Data from TWDB for those counties that identified irrigation water conservation strategies was converted to a GIS layer that was used to select the SWCDs that contained the counties with identified irrigation conservation strategies.

3. Principal Irrigation Areas

This is a criterion from the previous TSSWCB Subchapter H water conservation program. The data were originally from earlier Texas water plans.

4. Sedimentation

This criterion is also from the previous TSSWCB Subchapter H water conservation program. It was based on sediment rates to major reservoirs. Sedimentation is a significant contributor surface water storage capacity loss in Texas. The 2002 state water plan states "Reservoir sedimentation is the primary reason for the decline in surface water availability."

The eligibility of SWCDs under each of the criteria was established. The State Board determined that funding would be allocated equally to each criterion in each eligible district that was interested in participating in the program. Districts were surveyed to determine their willingness to participate in the program. 214 SWCDs met one or more eligibility criteria. Of those, 197 elected to participate in the program. Figure 1 shows the participating districts.

Each participating district received an allotment of $254.42 for each eligibility criterion that it met. For example, a district meeting three criteria received $763.27.

Appendix I contains a table showing the districts, their eligibility criteria, and their allocations.

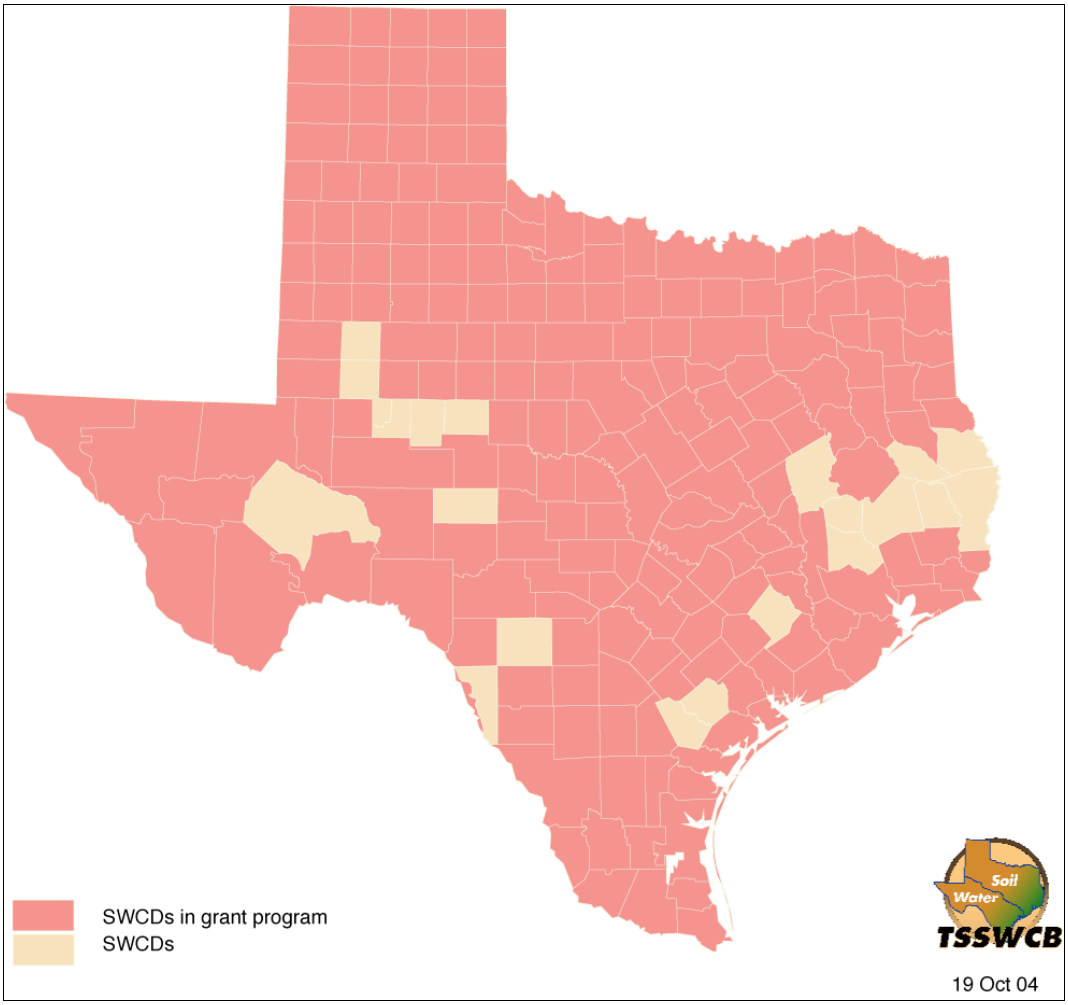

Figure 1. SWCDs Eligible and Participating in the FY 04 Ag Water Conservation Grant.

Eligible Practices

Eligible practices for the grant were agricultural water conservation BMPs developed by the water conservation task force and other UDSA-NRCS conservation practices that have the potential to save water. Water conserving potential was determined from Texas Conservation Practices Physical Effects, USDA-NRCS Field Office Tech Guide, Section V.

Erosion control practices were also deemed eligible based on their effects, also determined form Texas Conservation Practices Physical Effects, USDA-NRCS Field Office Tech Guide, Section V.

Water Savings Estimation

Water savings were estimated for those practices where data were available. Most estimates were from the Agricultural Water Conservation BMPs developed by the water conservation task force. In general, the values reported are average values across the State. Where a range of values was presented, the average of the two endpoints of the range was used. Appendix II has detailed information on the source of the water savings estimates.

Estimates of water conservation were not available for many of the practices that have an indirect effect on water conservation, as the erosion BMPs. The water conservation amount for these practices was assumed to be zero for purposes of this estimate. Hence, the estimate for this grant is conservative.

Reporting

Each SWCD participating in the grant was required to report the eligible BMPs that were planned over the duration of the project. It was decided to report on the planned, rather than implemented BMPs because with conservation planning, landowners often have several years to implement the planned BMPs, depending on the requirements of the program under which the planning was done.

Results

A total of 197 out of 217 SWCDs participated in the grant program. Potential water savings resulting from this grant was estimated at 341,729 ac-ft. Approximately 2.97 ac-ft of water was conserved for each state dollar spent. Potential water savings resulting from technical assistance from this grant are shown in Table 1. Individual SWCD water savings results can be found in Appendix III.

The practice yielding the largest potential water savings was brush control/management with 452,196 acres planned for an estimated water savings of 203,488 ac ft. The second highest water saving practice was crop residue management and conservation tillage with 162,513 acres planned for an estimated water savings of 65,005 ac-ft.

Twenty-four water-conserving BMPs were used by SWCDs in planning, and twenty-three erosion control BMPs. It should be noted that some of the BMPs do not directly prevent erosion, but are part of a system. For example, prescribed grazing, a grazing management system, includes cross fencing and watering facilities so that livestock may be rotated among smaller pastures, thus preventing overgrazing and subsequent erosion.

Table I. Potential Water Savings from Planned BMPs.

BMP	Units	Water savings (ac-ft/unit	Total Planned (Units)	Total Savings (ac-ft)	SWCDs Using BMP (No)
Ag Water Conservation BMPs					
4.1 Agricultural Irrigation Water Use Management					
4.1.1 Irrigation Scheduling	ac	0.4	56812.3	22725	19
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd	89	nd	6
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	162513	65005	52
4.1.4 On-Farm Irrigation Audit	farms	nd	15	nd	6
4.2 Land Management Systems					
4.2.1 Furrow Dikes	ac	0.18	17325	3119	9
4.2.2 Land Leveling	ac	na	18992.7	na	20
4.2.3 Contour Farming	ac	na	54836	na	38
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54	4363.6	6720	10
4.2.5 Brush Control/Management	ac	0.45	452195.8	203488	122
4.3 On-Farm Water Delivery Systems					
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068	24638	168	3
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.00758	270152	2048	20
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453	62643.3	28377	34
4.3.4 Drip/Micro-Irrigation System	ac	na	8058.3	na	26
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25	4595	1149	8
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385	679	261	4
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na	1901	na	5
4.4 Water District Delivery Systems					
4.4.1 Lining of District Irrigation Canals	ft	0.0767	12700	974	1
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051	97545	4975	8
4.5 Miscellaneous Systems					
4.5.1 Tailwater Recovery and Reuse System	ac	1	2720	2720	3
4.5.2 Nursery Production Systems	ac	na	275	na	2
Other Water Conservation: Specify					
Irrigation Reg Resvr. (concrete)	no	na	3	na	1
Ponds	cu yds	na	54000	na	1
Ponds	ac	na	3630	na	1
Ponds	no	na	213	na	8
Multiple Inlet Systems	ac	na	490	na	1
Renozzle Existing High Pressure Center Pivots	drops	na	300	na	1
Erosion Control Practices					
Conservation Cover	ac	na	117415.1	na	37
Conservation Crop Rotation	ac	na	346926.6	na	69
Contour Buffer Strips	ac	na	582	na	8
Cover & Green Manure Crop	ac	na	5827	na	7
Critical Area Planting	ac	na	3058.6	na	34
Field Border	ac	na	3186	na	13
Filter Strip	ac	na	1234	na	19
Heavy Use Area Protection	ac	na	2725	na	12
Pasture and Hayland Planting	ac	na	63915.6	na	90
Stripcropping—Contour	ac	na	0	na	0
Stripcropping—Field	ac	na	2390	na	3
Terrace	ac	na	71547	na	29
Terrace	ft	na	199286	na	4
Other Erosion Control: Specify					
Diversion	ft	na	4000	na	1

Fence (Includes Crossfencing for Prescribed Grazing)	ac	na	5927.5	na	3
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na	99458.5	na	3
Grade Stabilization Structures	no	na	79	na	3
Grade Stabilization Structures	ac	na	7651.5	na	2
Grassed Waterway	ac	na	75.1	na	4
Pipeline-Livestock watering	ft	na	60747	na	7
Prescribed Grazing	ac	na	8124	na	3
Rangeland Planting	ac	na	3927	na	8
Riparian Forage Buffers	ac	na	200	na	1
Surface Roughening	ac	na	215	na	1
Tree Planting: Hardwood or Pine	ac	na	85	na	1
Underground Outlets	no	na	7	na	1
Watering Facility	no	na	3	na	2
Windbreak Trees	no	na	4480	na	4
Total Potential Savings				**341,729 ac ft**	

Note: nd—none directly, na—not available.

Conclusion

This grant resulted in the planning of agricultural water conservation and erosion control BMPs across the State of Texas. The estimate water savings from this grant is estimated to be 341,729 ac-ft. Approximately 2.97 ac-ft of water was conserved for each state dollar spent. All funds were administered by SWCDs in a highly effective and efficient manner necessary for providing local assistance to farmers and ranchers in the planning and implementation of water conservation BMPs.

Appendix I

Eligibility Criteria and Participating Soil and Water Conservation Districts

FY 04 Ag Water Conservation Grant Allocation

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
104	Floyd County	1	X	X	X	X	4	Yes	4	1017.70
107	Rio Blanco	1	X	X	X	X	4	Yes	4	1017.70
108	Lubbock County	1	X		X	X	3	Yes	3	763.27
109	Hall-Childress	1	X		X	X	3	Yes	3	763.27
110	Tule Creek	1	X	X	X	X	4	Yes	4	1017.70
111	Blackwater Valley	1	X	X	X		3	Yes	3	763.27
115	Upper Colorado	1	X	X	X		3	Yes	3	763.27
119	Lynn County	1	X		X		2	Yes	2	508.85
124	Dawson County	1			X		1	No	0	0.00
125	Gray County	1	X		X		2	Yes	2	508.85
126	Cap Rock	1			X	X	2	Yes	2	508.85
127	Donley County	1				X	1	Yes	1	254.42
129	Hockley County	1	X	X	X		3	Yes	3	763.27
130	Lamb County	1	X		X	X	3	Yes	3	763.27
131	Dallam	1	X	X	X		3	Yes	3	763.27
132	Hale County	1	X	X	X	X	4	Yes	4	1017.70
133	Salt Fork	1			X	X	2	Yes	2	508.85
134	Lipscomb	1	X		X		2	Yes	2	508.85
136	Running Water	1	X	X	X		3	Yes	3	763.27
137	Moore County	1	X	X	X	X	4	Yes	4	1017.70
138	Hemphill	1	X				1	Yes	1	254.42
140	Parmer	1	X	X	X		3	Yes	3	763.27
141	Wheeler County	1	X				1	Yes	1	254.42
142	Ochiltree	1	X		X		2	Yes	2	508.85
143	Tierra Blanca	1	X		X		2	Yes	2	508.85
145	Roberts	1			X		1	Yes	1	254.42
146	Hutchinson	1			X	X	2	Yes	2	508.85
147	Palo Duro	1	X	X	X	X	4	Yes	4	1017.70
148	Hansford	1	X		X		2	Yes	2	508.85
149	Cochran	1	X	X	X		3	Yes	3	763.27
150	Yoakum	1	X		X		2	Yes	2	508.85
151	Terry	1	X	X	X		3	Yes	3	763.27
152	Hartley	1			X	X	2	Yes	2	508.85
153	Oldham County	1	X	X	X	X	4	Yes	4	1017.70
155	Staked Plains	1	X		X	X	3	Yes	3	763.27
156	McClellan Creek	1	X		X	X	3	Yes	3	763.27
158	Garza	1	X	X		X	3	Yes	3	763.27
159	Sherman County	1			X		1	Yes	1	254.42
160	Canadian River	1	X	X	X	X	4	Yes	4	1017.70
161	Foard County	1			X	X	2	Yes	2	508.85
162	Lower Pease River	1				X	1	Yes	1	254.42
163	Cottle	1			X	X	2	Yes	2	508.85
164	Upper Pease	1				X	1	Yes	1	254.42
165	Upper Clear Fork	1	X		X		2	Yes	2	508.85
166	Gaines County	1	X		X		2	Yes	2	508.85
167	Stonewall	1				X	1	Yes	1	254.42
168	King	1			X	X	2	Yes	2	508.85
169	Duck Creek	1				X	1	Yes	1	254.42
170	Andrew Kent	1				X	1	Yes	1	254.42

FY 04 Ag Water Conservation Grant Allocation (cont.)

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
201	Concho	2	X		X	X	3	Yes	3	763.27
205	El Paso-Hudspeth	2	X	X	X	X	4	Yes	4	1017.70
206	Middle Clear Fork	2	X	X	X		3	Yes	3	763.27
207	Mitchell	2	X		X	X	3	Yes	3	763.27
209	Toyah-Limpia	2	X	X	X	X	4	Yes	4	1017.70
210	Highland	2	X		X	X	3	Yes	3	763.27
213	Upper Pecos	2	X	X	X		3	Yes	3	763.27
215	Menard County	2	X			X	2	Yes	2	508.85
216	Kendall	2	X			X	2	Yes	2	508.85
217	Kerr County	2	X	X			2	Yes	2	508.85
218	Pedernales	2	X			X	2	Yes	2	508.85
219	Coke County	2					0	No	0	0.00
220	Gillespie County	2	X				1	Yes	1	254.42
221	Nueces-Frio-Sabinal	2	X	X	X	X	4	No	0	0.00
222	Edwards Plateau	2	X	X		X	3	Yes	3	763.27
223	Mason County	2	X				1	Yes	1	254.42
224	Devil's River	2	X			X	2	Yes	2	508.85
225	Upper Llanos	2	X			X	2	Yes	2	508.85
226	Medina Valley	2	X	X	X	X	4	Yes	4	1017.70
227	Big Bend	2	X			X	2	Yes	2	508.85
228	Maverick	2	X	X		X	3	Yes	3	763.27
229	Bandera	2	X			X	2	Yes	2	508.85
230	High Point	2	X	X	X	X	4	Yes	4	1017.70
231	Trans Pecos	2	X		X	X	3	No	0	0.00
232	Runnels	2	X				1	Yes	1	254.42
233	Llano County	2	X			X	2	Yes	2	508.85
234	Middle Concho	2	X	X	X		3	Yes	3	763.27
235	Crockett	2	X				1	Yes	1	254.42
236	West Nueces-Las Moras	2	X			X	2	Yes	2	508.85
237	Rio Grande-Pecos River	2	X		X	X	3	Yes	3	763.27
238	Upper Nueces-Frio	2	X	X		X	3	Yes	3	763.27
240	Chaparal	2	X	X		X	3	No	0	0.00
241	Sandhills	2	X				1	Yes	1	254.42
242	Mustang	2	X	X	X	X	4	No	0	0.00
243	Howard	2				X	1	Yes	1	254.42
244	Midland	2	X	X	X		3	Yes	3	763.27
245	Nolan County	2	X		X		2	Yes	2	508.85
246	Andrews	2	X	X	X		3	Yes	3	763.27
247	Eldorado-Divide	2					0	No	0	0.00
248	Tom Green	2	X	X	X		3	Yes	3	763.27
249	McCulloch	2	X		X	X	3	Yes	3	763.27
250	San Saba	2			X	X	2	Yes	2	508.85
251	Glasscock County	2	X	X	X	X	4	No	0	0.00
252	North Concho River	2			X	X	2	No	0	0.00

FY 04 Ag Water Conservation Grant Allocation (cont.)

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
301	Wilson County	3	X		X	X	3	Yes	3	763.27
304	Caldwell-Travis	3	X			X	2	Yes	2	508.85
306	Comal-Guadalupe	3	X	X		X	3	Yes	3	763.27
307	Atascosa County	3	X	X	X	X	4	Yes	4	1017.70
316	Matagorda County	3	X	X	X	X	4	Yes	4	1017.70
317	Coastal Plains	3	X	X	X	X	4	Yes	4	1017.70
318	Waters Davis	3	X	X	X	X	4	Yes	4	1017.70
319	Southmost	3	X	X	X	X	4	Yes	4	1017.70
320	Dimmit County	3	X		X	X	3	Yes	3	763.27
321	Agua Poquita	3	X	X			2	Yes	2	508.85
323	Live Oak	3	X	X	X	X	4	Yes	4	1017.70
324	San Patricio	3	X		X	X	3	Yes	3	763.27
325	Frio	3	X	X	X	X	4	Yes	4	1017.70
326	Winter Garden	3	X	X	X	X	4	Yes	4	1017.70
328	Loma Blanca	3	X				1	Yes	1	254.42
329	Copano Bay	3	X			X	2	Yes	2	508.85
330	Alamo	3	X	X	X	X	4	Yes	4	1017.70
331	Monte Mucho	3			X	X	2	Yes	2	508.85
332	Starr County	3	X	X	X		3	Yes	3	763.27
333	Colorado	3	X	X	X	X	4	No	0	0.00
334	Lavaca	3	X		X	X	3	Yes	3	763.27
335	Zapata	3	X	X	X	X	4	Yes	4	1017.70
336	Jackson	3	X		X		2	Yes	2	508.85
337	Webb	3	X		X	X	3	Yes	3	763.27
338	Gonzales County	3	X			X	2	Yes	2	508.85
339	DeWitt County	3				X	1	Yes	1	254.42
340	Bastrop County	3	X			X	2	Yes	2	508.85
341	Fayette	3				X	1	Yes	1	254.42
342	Wharton County	3	X	X	X	X	4	Yes	4	1017.70
343	Karnes County	3		X		X	2	Yes	2	508.85
344	Bee	3					0	No	0	0.00
345	Calhoun	3	X		X		2	Yes	2	508.85
346	Victoria	3		X	X		2	Yes	2	508.85
347	Austin County	3			X	X	2	Yes	2	508.85
348	Washington	3				X	1	Yes	1	254.42
349	Willacy	3	X	X	X		3	Yes	3	763.27
350	Hidalgo	3	X	X	X	X	4	Yes	4	1017.70
351	Hays County	3	X			X	2	Yes	2	508.85
352	Goliad County	3				X	1	No	0	0.00
353	McMullen County	3			X	X	2	Yes	2	508.85
354	La Salle County	3			X	X	2	Yes	2	508.85
355	Jim Wells County	3	X		X		2	Yes	2	508.85
356	Kleberg-Kenedy	3	X				1	Yes	1	254.42
357	Nueces	3	X		X	X	3	Yes	3	763.27
358	Burleson County	3				X	1	Yes	1	254.42
359	Lee County	3	X			X	2	Yes	2	508.85

FY 04 Ag Water Conservation Grant Allocation (cont.)

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
401	Nacogdoches	4	X				1	Yes	1	254.42
404	Davy Crockett-Trinity	4	X			X	2	Yes	2	508.85
408	Bowie County	4	X			X	2	Yes	2	508.85
412	Harrison County	4	X				1	Yes	1	254.42
415	Lamar	4	X			X	2	Yes	2	508.85
417	Upshur-Gregg	4	X				1	Yes	1	254.42
419	Sulphur-Cypress	4	X			X	2	Yes	2	508.85
421	Anderson-Houston	4	X			X	2	Yes	2	508.85
422	Trinity-Neches	4	X			X	2	Yes	2	508.85
423	Red River County	4	X			X	2	Yes	2	508.85
424	Freestone County	4	X			X	2	Yes	2	508.85
426	Smith County	4	X			X	2	Yes	2	508.85
427	Cherokee County	4	X			X	2	Yes	2	508.85
428	Bedias Creek	4				X	1	No	0	0.00
429	Piney Woods	4	X				1	No	0	0.00
432	Coastal	4	X		X		2	Yes	2	508.85
433	Marion-Cass	4	X			X	2	Yes	2	508.85
434	Trinity Bay	4	X		X		2	Yes	2	508.85
435	Lower Trinity	4	X		X		2	Yes	2	508.85
436	Polk-San Jacinto	4	X				1	No	0	0.00
437	Lower Neches	4	X		X		2	Yes	2	508.85
438	Upper Neches	4	X				1	No	0	0.00
439	Long Leaf	4	X				1	No	0	0.00
440	Navasota	4	X	X	X	X	4	Yes	4	1017.70
441	Jasper-Newton	4	X		X		2	No	0	0.00
442	Harris	4	X		X		2	Yes	2	508.85
443	Delta	4	X			X	2	Yes	2	508.85
444	Wood	4	X				1	Yes	1	254.42
445	Hopkins-Rains	4	X				1	Yes	1	254.42
446	Lower Sabine-Neches	4	X		X		2	Yes	2	508.85
447	Rusk	4	X			X	2	Yes	2	508.85
448	Panola	4	X				1	Yes	1	254.42
449	Shelby	4	X				1	Yes	1	254.42
450	Brazos County	4	X			X	2	Yes	2	508.85
451	Robertson County	4	X			X	2	Yes	2	508.85
452	Montgomery County	4	X				1	No	0	0.00
453	Walker County	4	X				1	No	0	0.00

FY 04 Ag Water Conservation Grant Allocation (cont.)

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
501	Limestone-Falls	5	X			X	2	Yes	2	508.85
504	Ellis-Prairie	5	X			X	2	Yes	2	508.85
505	Kaufman-Van Zandt	5	X			X	2	Yes	2	508.85
506	Hamilton-Coryell	5	X			X	2	Yes	2	508.85
508	Little River-San Gabriel	5	X			X	2	Yes	2	508.85
509	Central Texas	5	X			X	2	Yes	2	508.85
512	McLennan County	5	X			X	2	Yes	2	508.85
513	Taylor	5	X			X	2	Yes	2	508.85
514	Navarro	5	X			X	2	Yes	2	508.85
518	Palo Pinto	5	X				1	Yes	1	254.42
519	Dalworth	5	X			X	2	Yes	2	508.85
520	Fannin County	5	X			X	2	Yes	2	508.85
524	Upper Elm-Red	5	X			X	2	Yes	2	508.85
525	Upper Leon	5	X	X		X	3	Yes	3	763.27
530	Upper Sabine	5	X			X	2	Yes	2	508.85
534	Hill Country	5	X			X	2	Yes	2	508.85
535	Collin County	5	X			X	2	Yes	2	508.85
537	Wilbarger	5	X		X	X	3	Yes	3	763.27
538	Wichita	5	X			X	2	Yes	2	508.85
539	Young	5	X			X	2	Yes	2	508.85
540	Hill County-Blackland	5	X			X	2	Yes	2	508.85
541	Johnson County	5	X			X	2	Yes	2	508.85
542	Miller-Brazos	5			X	X	2	Yes	2	508.85
543	Throckmorton	5	X			X	2	Yes	2	508.85
544	Wichita-Brazos	5	X	X	X	X	4	Yes	4	1017.70
545	California Creek	5	X		X		2	Yes	2	508.85
546	Haskell	5	X		X	X	3	Yes	3	763.27
547	Denton County	5	X			X	2	Yes	2	508.85
548	Wise	5	X			X	2	Yes	2	508.85
549	Jack	5				X	1	Yes	1	254.42
550	Central Colorado	5	X			X	2	Yes	2	508.85
551	Lower Clear Fork of the Brazos	5	X	X		X	3	Yes	3	763.27
552	Callahan Divide	5	X	X		X	3	Yes	3	763.27
553	Pecan Bayou	5	X			X	2	Yes	2	508.85
554	Mills County	5	X			X	2	Yes	2	508.85
555	Bosque	5	X				1	Yes	1	254.42
556	Cross Timbers	5	X				1	Yes	1	254.42
557	Brazos Valley	5	X				1	Yes	1	254.42
558	Parker County	5	X			X	2	Yes	2	508.85
559	Archer County	5				X	1	Yes	1	254.42
560	Little Wichita	5				X	1	Yes	1	254.42

FY 04 Ag Water Conservation Grant Allocation (cont.)

SWCD#	SWCD Name	State Zone	Water Needs	Irrigation Conservation Strategies	Principal Irrigation Area	Sediment	Allocation Criteria	Participation	Final Criteria	Allocation $
Totals			**179**	**59**	**104**	**145**	**487**		**452**	**114999.71**

SWCDs with no criteria	3
SWCDs not particiapting	20
SWCDs participating	197
Total $	115,000
$/criteria	254.42

Water Needs: From TWDB data. Counties with water needs for 2050
Irrigation Strategies: From TWDB data. Counties with irrigation water conservation strategies for meeting needs
Principal Irrigation Areas: From previous subchapter H program
Sediment: From previous subchapter H program

Appendix II

Estimated Water Savings for BMPs

Source of Estimated Water Savings for BMPs

BMP	Units (ac, ft, etc)	Water Savings (ac ft/unit)	Water Savings-Range	WS Units	Source
4.1 Agricultural Irrigation Water Use Management					
4.1.1 Irrigation Scheduling	ac	0.4	0.3 – 0.5	ac ft/ac	AgBMP Guide
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd			AgBMP Guide
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	0.25 – 0.5	ac ft/ac	AgBMP Guide
4.1.4 On-Farm Irrigation Audit	farms	nd			AgBMP Guide
4.2 Land Management Systems					
4.2.1 Furrow Dikes	ac	0.18		ac ft/ac	AgBMP Guide[1]
4.2.2 Land Leveling	ac	na			
4.2.3 Contour Farming	ac	na			
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54		ac ft/ac	Irrig Survey Avg
4.2.5 Brush Control/Management	ac	0.45	0.34 – 0.55	ac ft/ac	AgBMP Guide
4.3 On-Farm Water Delivery Systems					
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068	.00606 – .00758	ac ft/ft	AgBMP Guide
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.00758		ac ft/ft	AgBMP Guide
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453			AgBMP Guide[2]
4.3.4 Drip/Micro-Irrigation System	ac	na			
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25		ac ft/ac	AgBMP Guide
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385	0.154 - 0.616	ac ft/ac	AgBMP Guide[3]
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na			
4.4 Water District Delivery Systems					
4.4.1 Lining of District Irrigation Canals	ft	0.0767		ac ft/ft	AgBMP Guide
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051		ac ft/ft	AgBMP Guide
4.5 Miscellaneous Systems					
4.5.1 Tailwater Recovery and Reuse System	ac	1	0.5 – 1.5	ac ft/ac	AgBMP Guide
4.5.2 Nursery Production Systems	ac	na			
Other water conservation: Specify					
Additional Erosion Control Practices					
Conservation Cover	ac	na			
Conservation Crop Rotation	ac	na			
Contour Buffer Strips	ac	na			
Cover & Green Manure Crop	ac	na			
Critical Area Planting	ac	na			
Field Border	ac	na			
Filter Strip	ac	na			
Heavy Use Area Protection	ac	na			
Pasture and Hayland Planting	ac	na			
Stripcropping—Contour	ac	na			
Stripcropping—Field	ac	na			
Terrace	ac	na			
Other erosion control: Specify					
nd-none directly					
na-not available					
ie-individual estimate					

1. 12% savings of 1.54 ac ft/ac
2. BMP formula. A1=1.54. From Low angle impact (60%) to LPIC (85%), fair condition.
3. 10 – 40% of 1.54 ac

Appendix IIIs

SWCD Data

Potential Water Savings from Planned BMPs										
23 Oct 05			Units Planned							
BMP	Units (ac, ft, etc)	Water savings per unit	Agua Poquita	Alamo	Anderson-Houston	Andrew Kent	Andrews	Archer County	Atascosa County	Austin County
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4					1084			200
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								377
4.2.3 Contour Farming	ac	na								
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	120	4713			11913		30	300
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076		24450						8690
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453		9			83		120	
4.3.4 Drip/Micro-Irrigation System	ac	na								30
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na		1						
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051							21720	
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na		6	2				37	
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na							300	
Additional Erosion Control Practices										
Conservation Cover	ac	na	450				243			
Conservation Crop Rotation	ac	na					662			250
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								50
Critical Area Planting	ac	na		13						20
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								10
Pasture and Hayland Planting	ac	na	60	4789					396	250
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na		3000					11382	
Prescribed Grazing	ac	na			3000					
Rangeland Planting	ac	na		428						
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Bandera	Bastrop County	Big Bend	Blackwater Valley	Bosque	Bowie County	Brazos County	Brazos Valley
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4				603				
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4		500		1705				
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na		550						
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	1652	3745	2000		1156		442	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				482				
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na		550		614				
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na		20					36	
Field Border	ac	na		12						
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na							6	
Pasture and Hayland Planting	ac	na		700				2268	246	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Burleson County	Caldwell-Travis	Calhoun	California Creek	Callahan Divide	Canadian River	Cap Rock	Central Colorado
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4						2006		
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4					3000	2698		
4.1.4 On-Farm Irrigation Audit	farms	nd						4		
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na	57		865					
4.2.3 Contour Farming	ac	na						640		
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	432	1438	1474	5800	10000	6808		6113
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453						1086		
4.3.4 Drip/Micro-Irrigation System	ac	na				30				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na				50				
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na			32320	25100	3000	2700		
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	127		2940		550			
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na						640		
Terrace	ft	na					3200			
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Central Texas	Cherokee County	Coastal	Coastal Plains	Cochran	Collin County	Comal-Guadalupe	Concho
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4				2933.2				
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4				1733.2				2600
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na				1402.5				
4.2.3 Contour Farming	ac	na	600						1500	2600
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	150			1219		18	2000	4600
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453								370
4.3.4 Drip/Micro-Irrigation System	ac	na								90
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051				9875				
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na	100							
Conservation Crop Rotation	ac	na	1000			1733.2				2600
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na		5				6	25	
Field Border	ac	na						2		
Filter Strip	ac	na						5		
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	300	150		313.5		445	2000	80
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na	100						1500	2600
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na		85						
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Copano Bay	Cottle	Crockett	Cross Timbers	Dallam	Dalworth	Davy Crockett-Trinity	Delta
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	3100							
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na								60
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45			8799					
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453								
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								16
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na							60	
Conservation Crop Rotation	ac	na						1000	60	
Contour Buffer Strips	ac	na								12
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na						5	3	25
Field Border	ac	na								25
Filter Strip	ac	na								10
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na						10	2285	110
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								90
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Denton County	Devil's River	DeWitt County	Dimmit County	Donley County	Duck Creek	Edwards Plateau	El Paso-Hudspeth
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4		600			2420			
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd					3	1		
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4					1860	640		
4.1.4 On-Farm Irrigation Audit	farms	nd					3	3		
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18						850		
4.2.2 Land Leveling	ac	na		20						206
4.2.3 Contour Farming	ac	na						850		
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45		10	2400	1500	3200	4700	43	36
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								8038
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076						900		14756
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453		600			2420			
4.3.4 Drip/Micro-Irrigation System	ac	na					25	23		
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25		40			320			
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1					320			
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na				54000				
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na		50			640		4	
Conservation Crop Rotation	ac	na					640	1200		
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na					1220			
Pasture and Hayland Planting	ac	na		350	650			425		
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na					320	160		
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na				25000				
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na				1500				
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Ellis-Prairie	Fannin County	Fayette	Floyd County	Foard County	Freestone County	Frio	Gaines County
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								1400
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4								
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na	610							
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	850				1965	20	4000	1920
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453							600	2160
4.3.4 Drip/Micro-Irrigation System	ac	na							100	80
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na			60					
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na			30000		85		8000	
Conservation Crop Rotation	ac	na	1362		30000				20000	
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na	37		40			2		
Field Border	ac	na								
Filter Strip	ac	na	5		80					
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	1678	800	1000			132	2000	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na	50000				300			
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na			4					
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Garza	Gillespie County	Gonzales County	Gray County	Hale County	Hall-Childress	Hamilton-Coryell	Hansford
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4					4030			
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	88.4			553				
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na								
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54				151				
4.2.5 Brush Control/Management	ac	0.45	10,735	3594	2340	1265				
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076					47360			
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				747	3743			
4.3.4 Drip/Micro-Irrigation System	ac	na	142.3				287			
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na			151	757	515			
Conservation Crop Rotation	ac	na			151	474	610			
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								
Field Border	ac	na								
Filter Strip	ac	na			448					
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na			2682		62			
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								610
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Harris	Harrison County	Hartley	Haskell	Hays County	Hemphill	Hidalgo	High Point
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4			2005	4027	600			
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na							500	216
4.2.3 Contour Farming	ac	na			1000	4027	600			
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	321		640	3121				4953
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				3337			111	968
4.3.4 Drip/Micro-Irrigation System	ac	na			2250	692				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25			10					
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051				39240			3600	
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na				56				
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na			1000					
Conservation Crop Rotation	ac	na			1500	4027	600			
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na			500					
Critical Area Planting	ac	na								
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	327		50	270			255	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na				250	300			
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Highland	Hill Country	Hill County-Blackland	Hockley County	Hopkins-Rains	Howard	Hutchinson	Jack
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd				25				
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4				1000				
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18				1400				
4.2.2 Land Leveling	ac	na	13							
4.2.3 Contour Farming	ac	na				2000		640		
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54				100				
4.2.5 Brush Control/Management	ac	0.45	800	3850		5000		6000	1000	5000
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076				10000				
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				1100			5120	
4.3.4 Drip/Micro-Irrigation System	ac	na				800				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na				1000	20	5776	150	
Conservation Crop Rotation	ac	na	13			1000				
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na				500				
Critical Area Planting	ac	na					10			
Field Border	ac	na			40					
Filter Strip	ac	na			20		20			
Heavy Use Area Protection	ac	na					5			
Pasture and Hayland Planting	ac	na				100	100			
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na				300				
Terrace	ac	na			500	200		640		
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Jackson	Jim Wells County	Johnson County	Karnes County	Kaufman-Van Zandt	Kendall	Kerr County	King
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4				151.5	683			3000
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na	660							
4.2.3 Contour Farming	ac	na				40	1021			3000
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45			45	921.5	3027	4254	2558	20400
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	26250							
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453								
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na	490							
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								300
Conservation Crop Rotation	ac	na	1804			151.5				3000
Contour Buffer Strips	ac	na								200
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na				1	1532			50
Field Border	ac	na	20			2618				28
Filter Strip	ac	na				1				14
Heavy Use Area Protection	ac	na				3	48			200
Pasture and Hayland Planting	ac	na	48		469	517	1862			3320
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								1050
Terrace	ft	na				15000				
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na			169					
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na			1					
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Kleberg-Kenedy	La Salle County	Lamar	Lamb County	Lavaca	Lee County	Limestone-Falls	Lipscomb
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4				375				
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	2000			625				
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18	140			600				
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na				160				
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	150	1395			85	1304	1056	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076				900				
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				600				
4.3.4 Drip/Micro-Irrigation System	ac	na				125				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25				125				
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385				250				
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na					6			
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na				125				
Conservation Crop Rotation	ac	na	1000			375			1186	
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na				2500				
Critical Area Planting	ac	na					30		49	
Field Border	ac	na								
Filter Strip	ac	na							47	
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	100			125	173	1329	961	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na				177			1286	
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na							7	
Watering Facility	no	na								
Windbreak Trees	no	na								480
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Little River-San Gabriel	Little Wichita	Live Oak	Llano County	Loma Blanca	Lower Clear Fork of the Brazos	Lower Neches	Lower Pease River
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4		2000						
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na	2000							
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54	150							
4.2.5 Brush Control/Management	ac	0.45		4278.3	10765	2435	103	3080		
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453								
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na	1700	5000				2250		
Contour Buffer Strips	ac	na						18		
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na		2	9					
Field Border	ac	na								
Filter Strip	ac	na	36					230		
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	120	150	604		73	20.1		
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na	70000 ft							
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na					5000			
Rangeland Planting	ac	na	20		800					
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Lower Sabine-Neches	Lower Trinity	Lubbock County	Lynn County	Marion-Cass	Mason County	Matagorda County	Maverick
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd			19					
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4			1450	100			3081.6	
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18			600	79				
4.2.2 Land Leveling	ac	na							1673.9	200
4.2.3 Contour Farming	ac	na			1200	79		400		
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	600					3000	4391.4	100
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076			9500					2500
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453			1160	160				200
4.3.4 Drip/Micro-Irrigation System	ac	na			735	12				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								12700
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na			1400			400	2112.9	
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na							327.8	
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	200			4.6			4266.3	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na			160	200				
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na							4086.7	
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na							32873.5	
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na							1138.5	
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na							916	
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	McClellan Creek	McCulloch	McLennan County	McMullen County	Medina Valley	Menard County	Middle Clear Fork	Middle Concho
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4					900			
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na		640	120					
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54					800			
4.2.5 Brush Control/Management	ac	0.45		1500	360	6885	2400	5245.7		6313
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453	1440.6				250			
4.3.4 Drip/Micro-Irrigation System	ac	na								1420
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na			940		500			
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na			10		600			
Field Border	ac	na			10					
Filter Strip	ac	na			10					
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na		600	704	220	700			
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na			120					
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na			27					
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na				915				
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Midland	Miller-Brazos	Mills County	Mitchell	Monte Mucho	Moore County	Nacogdoches	Navarro
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4	135					800		
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	435					845		600
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na	215							550
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54	113							
4.2.5 Brush Control/Management	ac	0.45	630		2231		257	1700	235	200
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453						960		
4.3.4 Drip/Micro-Irrigation System	ac	na	140							
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na	75							
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na			200			726		
Conservation Crop Rotation	ac	na						800		600
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								19.8
Field Border	ac	na								108
Filter Strip	ac	na								213
Heavy Use Area Protection	ac	na	60							
Pasture and Hayland Planting	ac	na							105	846
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na	90							
Terrace	ac	na								550
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								10
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								33
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na	2000							
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Navasota	Nolan County	Nueces	Ochiltree	Oldham County	Palo Duro	Palo Pinto	Panola
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4	758					2847		
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	758		2755			5265		
4.1.4 On-Farm Irrigation Audit	farms	nd	1							
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na	238							
4.2.3 Contour Farming	ac	na		642				2029	1000	
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	611	9762	355.2		17497	681	12000	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	7500					26605		
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453						388	500	
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na							200	
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na		2966.5			269		500	
Conservation Crop Rotation	ac	na	758	1075	1255			5265	200	
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na						4	20	
Field Border	ac	na						2		
Filter Strip	ac	na								33
Heavy Use Area Protection	ac	na								150
Pasture and Hayland Planting	ac	na	194	24	430.4			240	600	54
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na						2029		
Terrace	ft	na		148363						
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na				1390				
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Parker County	Parmer	Pecan Bayou	Pedernales	Red River County	Rio Blanco	Rio Grande-Pecos River	Roberts
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4								
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na								
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45			1349	3850				
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076								
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453								
4.3.4 Drip/Micro-Irrigation System	ac	na								
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na	2							
Conservation Crop Rotation	ac	na								
Contour Buffer Strips	ac	na	1							
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na	1							
Field Border	ac	na								
Filter Strip	ac	na	1							
Heavy Use Area Protection	ac	na	3							
Pasture and Hayland Planting	ac	na	5		167					
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na							5	
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Robertson County	Runnels	Running Water	Rusk	Salt Fork	San Patricio	San Saba	Sandhills
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4	200		24000					
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd			3					
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4		100	26000				418	215
4.1.4 On-Farm Irrigation Audit	farms	nd	3						1	
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na		540			123			
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54			400					
4.2.5 Brush Control/Management	ac	0.45	50	500	600			29		4459
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	5000							
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453			11600					
4.3.4 Drip/Micro-Irrigation System	ac	na								16
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051	5000							
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na	100		7600					
Conservation Crop Rotation	ac	na		1000	4000			1858.7		215
Contour Buffer Strips	ac	na	20							
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na	20			10				
Field Border	ac	na		200						
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na		500		80	900	394.8		
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na		540			123			
Terrace	ft	na						32723		
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								215
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Shelby	Sherman County	Smith County	Southmost	Staked Plains	Starr County	Stonewall	Sulphur-Cypress
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4		1000						
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4		15,000		22450	2000			
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18		250		6				
4.2.2 Land Leveling	ac	na				2500				
4.2.3 Contour Farming	ac	na		1000			6000			
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54		1500						
4.2.5 Brush Control/Management	ac	0.45		250		50	4956	1.8	2023	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076				2000				
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453		11,000						
4.3.4 Drip/Micro-Irrigation System	ac	na		50		45				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25		1,500		400				
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385		300						
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na		500		850				
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051				3500				
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1		1200						
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na		25,000		16000				
Conservation Crop Rotation	ac	na		30000		30850	8000			
Contour Buffer Strips	ac	na		11						
Cover & Green Manure Crop	ac	na		1000						
Critical Area Planting	ac	na		14						
Field Border	ac	na		71						
Filter Strip	ac	na		25						
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na		125					250	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na					6000			
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na						6000		
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na						5904		
Prescribed Grazing	ac	na						124		
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na						2		
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Taylor	Terry	Throckmorton	Tierra Blanca	Tom Green	Toyah-Limpia	Trinity Bay	Trinity-Neches
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4				7250			2255.1	
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd				38				
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4				5500	1025		2255.1	
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18				13400				
4.2.2 Land Leveling	ac	na						119	387.8	
4.2.3 Contour Farming	ac	na			10000	1200	1000			
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54				650				
4.2.5 Brush Control/Management	ac	0.45	200		15000	1500	10900	25		
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068						11600		
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076				750	8500			
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				4800				
4.3.4 Drip/Micro-Irrigation System	ac	na					75			
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25				200	2000			
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385				125	4			
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051					1200			
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1				1200				
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na					3			
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na			1000	800		616.3		
Conservation Crop Rotation	ac	na	1500		40000	16500			2255.1	
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								
Field Border	ac	na								
Filter Strip	ac	na					16			
Heavy Use Area Protection	ac	na				1000				
Pasture and Hayland Planting	ac	na	200		400	250			96.3	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na				160	152			
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na	19				190			
Riparian Forage Buffers	ac	na			200					
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Tule Creek	Upper Clear Fork	Upper Colorado	Upper Elm-Red	Upper Leon	Upper Llanos	Upper Nueces-Frio	Upper Pease
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4								
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	5350	5000						
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na								
4.2.3 Contour Farming	ac	na		5000						
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54	99.6							
4.2.5 Brush Control/Management	ac	0.45		28000	8542	7000		15455	3828	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	53096							
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453	2428.7	240						
4.3.4 Drip/Micro-Irrigation System	ac	na	90	80	71					
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na		2000						
Conservation Crop Rotation	ac	na	5350	4500						
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na								
Critical Area Planting	ac	na								
Field Border	ac	na		50						
Filter Strip	ac	na		20						
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	99.6	1500						
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na		2000						
Terrace	ac	na		300						
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na		7						
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Upper Pecos	Upper Sabine	Upshur-Gregg	Victoria	Washington	Waters Davis	Webb	West Nueces-Las Moras
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4	1200							
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	1500			4000				
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na	800					3858.5		
4.2.3 Contour Farming	ac	na								
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54								
4.2.5 Brush Control/Management	ac	0.45	1000			25000	242.3	3360	5500	8000
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068	5000							
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	10000							
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453	360							
4.3.4 Drip/Micro-Irrigation System	ac	na	300							
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na								
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051								
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na						3630		
Ponds	no	na								
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na								
Conservation Crop Rotation	ac	na	1200	900		8000				
Contour Buffer Strips	ac	na								
Cover & Green Manure Crop	ac	na	600							
Critical Area Planting	ac	na		27						
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na		300		1500	115	1575.5		
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na								
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na						1671.8		
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na						60585		
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na								
Grassed Waterway	ac	na								
Pipeline-Livestock watering	ft	na								
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na					55			
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs										
23 Oct 05										
BMP	Units (ac, ft, etc)	Water savings per unit	Wharton County	Wheeler County	Wichita	Wichita-Brazos	Wilbarger	Willacy	Wilson County	Winter Garden
4.1 Agricultural Irrigation Water Use Management										
4.1.1 Irrigation Scheduling	ac	0.4				2000				
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd								
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	13962			2500		145.2	50	
4.1.4 On-Farm Irrigation Audit	farms	nd								
4.2 Land Management Systems										
4.2.1 Furrow Dikes	ac	0.18								
4.2.2 Land Leveling	ac	na	4739					160		
4.2.3 Contour Farming	ac	na					1000		200	
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54				400				
4.2.5 Brush Control/Management	ac	0.45			104.6	4200	16000		551	
4.3 On-Farm Water Delivery Systems										
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068								
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076				1200			10195	
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453				2500	1000			
4.3.4 Drip/Micro-Irrigation System	ac	na				350				
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25								
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385								
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na				500				
4.4 Water District Delivery Systems										
4.4.1 Lining of District Irrigation Canals	ft	0.0767								
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051	13410							
4.5 Miscellaneous Systems										
4.5.1 Tailwater Recovery and Reuse System	ac	1								
4.5.2 Nursery Production Systems	ac	na								
Other water conservation: Specify										
Irrigation Reg Resvr. (concrete)	no	na								
Ponds	cu yds	na								
Ponds	ac	na								
Ponds	no	na							30	
Multiple Inlet Systems	ac	na								
Renozzle Existing High Pressure Center Pivots	drops	na								
Additional Erosion Control Practices										
Conservation Cover	ac	na				8000	2000	209.3		
Conservation Crop Rotation	ac	na	13037			8000	1000	145.2	677	
Contour Buffer Strips	ac	na				300				
Cover & Green Manure Crop	ac	na							677	
Critical Area Planting	ac	na					35			
Field Border	ac	na								
Filter Strip	ac	na								
Heavy Use Area Protection	ac	na								
Pasture and Hayland Planting	ac	na	2650			100	300	138.5	729	
Stripcropping—Contour	ac	na								
Stripcropping—Field	ac	na								
Terrace	ac	na				500	600			
Terrace	ft	na								
Other erosion control: Specify										
Diversion	ft	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na								
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na								
Grade Stabilization Structures	no	na								
Grade Stabilization Structures	ac	na	6513							
Grassed Waterway	ac	na			8.1					
Pipeline-Livestock watering	ft	na							14540	
Prescribed Grazing	ac	na								
Rangeland Planting	ac	na								
Riparian Forage Buffers	ac	na								
Surface Roughening	ac	na								
Tree Planting: Hardwood or Pine	ac	na								
Underground Outlets	no	na								
Watering Facility	no	na								
Windbreak Trees	no	na								
nd-none directly										

Potential Water Savings from Planned BMPs							
23 Oct 05							
BMP	Units (ac, ft, etc)	Water savings per unit	Wise	Wood	Yoakum	Young	Zapata
4.1 Agricultural Irrigation Water Use Management							
4.1.1 Irrigation Scheduling	ac	0.4					
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd					
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	3000				
4.1.4 On-Farm Irrigation Audit	farms	nd					
4.2 Land Management Systems							
4.2.1 Furrow Dikes	ac	0.18					
4.2.2 Land Leveling	ac	na					
4.2.3 Contour Farming	ac	na					
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54					
4.2.5 Brush Control/Management	ac	0.45	800			1250	624
4.3 On-Farm Water Delivery Systems							
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068					
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076					
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453					
4.3.4 Drip/Micro-Irrigation System	ac	na					
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25					
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385					
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na					
4.4 Water District Delivery Systems							
4.4.1 Lining of District Irrigation Canals	ft	0.0767					
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051					
4.5 Miscellaneous Systems							
4.5.1 Tailwater Recovery and Reuse System	ac	1					
4.5.2 Nursery Production Systems	ac	na					
Other water conservation: Specify							
Irrigation Reg Resvr. (concrete)	no	na					
Ponds	cu yds	na					
Ponds	ac	na					
Ponds	no	na					
Multiple Inlet Systems	ac	na					
Renozzle Existing High Pressure Center Pivots	drops	na					
Additional Erosion Control Practices							
Conservation Cover	ac	na					
Conservation Crop Rotation	ac	na	3000				
Contour Buffer Strips	ac	na	20				
Cover & Green Manure Crop	ac	na					
Critical Area Planting	ac	na	50				
Field Border	ac	na					
Filter Strip	ac	na					
Heavy Use Area Protection	ac	na	20				
Pasture and Hayland Planting	ac	na	3500			80	
Stripcropping—Contour	ac	na					
Stripcropping—Field	ac	na					
Terrace	ac	na					
Terrace	ft	na					
Other erosion control: Specify							
Diversion	ft	na	4000				
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na					
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na					
Grade Stabilization Structures	no	na	65				
Grade Stabilization Structures	ac	na					
Grassed Waterway	ac	na					
Pipeline-Livestock watering	ft	na					
Prescribed Grazing	ac	na					
Rangeland Planting	ac	na					
Riparian Forage Buffers	ac	na					
Surface Roughening	ac	na					
Tree Planting: Hardwood or Pine	ac	na					
Underground Outlets	no	na					
Watering Facility	no	na					
Windbreak Trees	no	na					
nd-none directly							**Total Pot**

Potential Water Savings from Planned BMPs					
23 Oct 05			Total Planned	Total Savings	
BMP	Units (ac, ft, etc)	Water savings per unit	Units	ac ft	No. SWCDs Planning Practice
4.1 Agricultural Irrigation Water Use Management					
4.1.1 Irrigation Scheduling	ac	0.4	56812.3	22725	19
4.1.2 Volumetric Measurement of Irrigation Water Use	meters	nd	89	nd	6
4.1.3 Crop Residue Management and Conservation Tillage	ac	0.4	162513	65005	52
4.1.4 On-Farm Irrigation Audit	farms	nd	15	nd	6
4.2 Land Management Systems					
4.2.1 Furrow Dikes	ac	0.18	17325	3119	9
4.2.2 Land Leveling	ac	na	18992.7	na	20
4.2.3 Contour Farming	ac	na	54836	na	38
4.2.4 Conversion of Supplemental Irrigated Farmland to Dry-Land Farmland	ac	1.54	4363.6	6720	10
4.2.5 Brush Control/Management	ac	0.45	452195.8	203488	122
4.3 On-Farm Water Delivery Systems					
4.3.1 Lining of On-Farm Irrigation Ditches	ft	0.0068	24638	168	3
4.3.2 Replacement of On-Farm Irrigation Ditches with Pipelines	ft	0.0076	270152	2048	20
4.3.3 Low Pressure Center Pivot Sprinkler Irrigation Systems	ac	0.453	62643.3	28377	34
4.3.4 Drip/Micro-Irrigation System	ac	na	8058.3	na	26
4.3.5 Gated and Flexible Pipe for Field Water Distribution Systems	ac	0.25	4595	1149	8
4.3.6 Surge Flow Irrigation for Field Water Distribution Systems	ac	0.385	679	261	4
4.3.7 Linear Move Sprinkler Irrigation Systems	ac	na	1901	na	5
4.4 Water District Delivery Systems					
4.4.1 Lining of District Irrigation Canals	ft	0.0767	12700	974	1
4.4.2 Replacement of Irrigation District Canals and Lateral Canals with Pipelines	ft	0.051	97545	4975	8
4.5 Miscellaneous Systems					
4.5.1 Tailwater Recovery and Reuse System	ac	1	2720	2720	3
4.5.2 Nursery Production Systems	ac	na	275	na	2
Other water conservation: Specify					
Irrigation Reg Resvr. (concrete)	no	na	3	na	1
Ponds	cu yds	na	54000	na	1
Ponds	ac	na	3630	na	1
Ponds	no	na	213	na	8
Multiple Inlet Systems	ac	na	490	na	1
Renozzle Existing High Pressure Center Pivots	drops	na	300	na	1
Additional Erosion Control Practices					
Conservation Cover	ac	na	117415.1	na	37
Conservation Crop Rotation	ac	na	346926.6	na	69
Contour Buffer Strips	ac	na	582	na	8
Cover & Green Manure Crop	ac	na	5827	na	7
Critical Area Planting	ac	na	3058.6	na	34
Field Border	ac	na	3186	na	13
Filter Strip	ac	na	1234	na	19
Heavy Use Area Protection	ac	na	2725	na	12
Pasture and Hayland Planting	ac	na	63915.6	na	90
Stripcropping—Contour	ac	na	0	na	0
Stripcropping—Field	ac	na	2390	na	3
Terrace	ac	na	71547	na	30
Terrace	ft	na	199286	na	4
Other erosion control: Specify					
Diversion	ft	na	4000	na	1
Fence (Includes Crossfencing for Prescribed Grazing)	ac	na	5927.5	na	3
Fence (Includes Crossfencing for Prescribed Grazing)	ft	na	99458.5	na	3
Grade Stabilization Structures	no	na	79	na	3
Grade Stabilization Structures	ac	na	7651.5	na	2
Grassed Waterway	ac	na	75.1	na	4
Pipeline-Livestock watering	ft	na	60747	na	7
Prescribed Grazing	ac	na	8124	na	3
Rangeland Planting	ac	na	3927	na	8
Riparian Forage Buffers	ac	na	200	na	1
Surface Roughening	ac	na	215	na	1
Tree Planting: Hardwood or Pine	ac	na	85	na	1
Underground Outlets	no	na	7	na	1
Watering Facility	no	na	3	na	2
Windbreak Trees	no	na	4480	na	4
			———	———	———
nd-none directly			**ential Savings**	**341,729**	**ac ft**