

LOUISIANA'S MASTER CSP AVERAGE COUNTY COST LIST

2001 CROP YEAR BASE

Conservation Practice Name	Code	Units	Life-Span (yrs)	Flat Rate Installed Costs (\$)	Maintenance Cost Factors (%)	Annual Maintenance Cost (\$)	Annual Management Cost (\$)
Access Road	560	ft	20	2.58	0.15	0.39	0
Scenario 1: w/o low water crossing							
Access Road	560	ft	20	41.42	0.15	6.21	0
Scenario 2: w/low water crossing							
Animal Trails and Walkways	575	ft	10	3.16	0.01	0.03	0
Bedding	310	ac	15	188.76	0.01	1.89	0
Brush Management	314	ac	1	0.00	0	0.00	2.94
Scenario 1: Annual Maintenance Mowing on Pastures							
Brush Management	314	ac	10	46.54	0.02	0.93	0
Scenario 2: Herbicide application for woody brush - Aerial Application							
Custom Airplane Application				3.04			
Herbicide-Remedy				43.50			
Brush Management	314	ac	10	1.64	0.02	0.03	0
Scenario 3: Roller Chop and Prescribed Burn							
Roller Chop							
Tractor (\$33/hr/2hr/ac)				0.21			
Roller Chopper (\$0.90/ac)				0.01			
Labor (\$12/hr)				0.08			
Firebreak (Disk 2 X's; 50 foot wide)				1.10			
Prescribed Burn				0.25			
Conservation Cover	327	ac	10	201.53	0.02	4.03	0
Scenario 1: Herbaceous cover, tame							
1. Seedbed Prep (Disk 2X and roll)				18.25			
2. Seeding (Drill)				5.78			
3. Seed (Bahia @ 30 lbs/ac)				55.50			
4. Fertilizer (13-13-13 @ 500 lbs/ac)				60.00			
5. Lime (2t/ac spread)				62.00			
Conservation Cover	327	ac	10	134.05	0.02	2.68	0
Scenario 2: Herbaceous cover, native (grasses & forbs)							
1. Seedbed Prep (Disk 2X and roll)				18.25			
2. Seeding (Drill)				5.78			
3. Seed (Switch @ 0.6, Big Blue Stem @ 12, Indian @ 0.5, Bundle Flower @ 2.7, Partridge Pea @ 2.0)				93.92			
4. Fertilizer (0-20-0 @ 100 lbs/ac)				2.60			
5. Herbicide (Plateau @ 4 ozs/ac)				13.50			
Conservation Cover	327	ac	10	100.00	0.02	2.00	0
Scenario 3: Tree Cover, Pine							
1. Light Site Prep				20.00			
2. Seedlings & Planting				80.00			
Conservation Cover	327	ac	10	150.56	0.02	3.01	0
Scenario 4: Tree Cover, Hardwoods or Shrubs							
1. Light Sight Prep				20.00			
2. Seedlings & Planting				130.56			
Conservation Crop Rotation	328	ac	1	0.00	0	0.00	0.025
1. Evaluate Cropping System for Positive Soil Condition Index							
Cover Crop	340	ac	1	0.00	0	0	22.78
Scenario 1: Small Grain							
1. Seed (Wheat 100 lbs/ac)							17.00
2. Seeding (Drill)							5.78
Cover Crop	340	ac	1	0.00	0	0	44.18
Scenario 2: Legume							
1. Seed (Hairy Vetch @ 30 lbs/ac)							38.40
2. Seeding (Drill)							5.78
Critical Area Treatment	342	ac	20	649.19	0.04	25.97	0
Scenario 1:							
1. Smoothing/shaping (150 cu yds/ac)				195.00			
2. Seedbed Prep (Disk 2 X & Roll)				18.25			
3. Seeding (Drill)				5.78			
4. Seed (Hulled Common Bermuda @ 12 lbs/ac)				41.52			
5. Fertilizer (13-13-13 @ 500 lbs/ac)				60.00			
6. Lime (2t/ac spread)				62.00			
7. Mulch (Straw @ 2t/ac)				266.64			
8. Maintenance (200 lbs/ ac 13-13-13)							
Deep Tillage	324	ac	1	0.00	0	0	7.43
Scenario 1: Chisel Plow							0

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Deep Tillage	324	ac	1	0.00	0	0	18.58
Scenario 2: 3-Row Subsoiler							
Dike	356	ft	20	3.25	0.04	0.13	0
Diversion	362	ft	20	3.15	0.04	0.13	0
Fence	382	ft	20	0.54	0.03	0.02	0
Scenario 1: 5-Strand Barbwire Fence; 1320 ft long, 2 hand dug, end brace assemblies Wire: Barbwire 12 1/2 gauge (ro \$41.60 ea, 5 ro) Line Posts: T-posts (1 every 20') (ea \$1.84, 64 ea) Corner/Gate Posts: (6" treated wood) (ea \$9.90, 4 ea) H-Brace: (4" treated wood) (ea \$8.00, 2 ea) Staples: (9 gauge 1.5" long) (lbs \$0.08, 1 lb) Labor: Dig and set 1 end post (\$12.00 hr, 4 hrs) Set a steel post (\$12.00 hr, 64 hrs) String and attach each wire (\$12.00 hr, 5 hrs) Set up each brace post (\$12.00 hr, 2 hrs)				208.00 117.76 39.60 16.00 0.08 48.00 153.60 120.00 12.00			
Fence	382	ft	20	0.62	0.03	0.02	0
Scenario 2: 5-Strand Barbwire Fence; 1320 ft long; 4 hand dug, end brace assemblies; 1-5 strand gate Wire: Barbwire 12 1/2 gauge (ro \$41.60 ea, 5 ro) Line Posts: T-posts (1 every 20') (ea \$1.84, 64 ea) Corner/Gate Posts: (6" treated wood) (ea \$9.90, 8 ea) H-Brace: (4" treated wood) (ea \$8.00, 4 ea) Staples: (9 gauge 1.5" long) (lbs \$0.08, 1 lb) Labor: Dig and set 1 end post (\$12.00 hr, 8 hrs) Set a steel post (\$12.00 hr, 64 hrs) String and attach each wire (\$12.00 hr, 5 hrs) Set up each brace post (\$12.00 hr, 4 hrs) Make gate (\$12.00 hr, 1 hr)				208.00 117.76 79.20 32.00 0.08 96.00 153.60 90.00 24.00 18.00			
Fence	382	ft	20	0.16	0.03	0.01	0
Scenario 3: 2-Strand Electric Fence; 1320 ft long; 2 hand dug, end brace assemblies; w/o energizer components Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95 ea, 0.66 ro) Line Posts: T-posts (ea \$1.84, 12 ea) Corner/Gate Posts: (6" treated wood) no bracing (ea \$9.90, 2 ea) Cement (80 lbs. bags) (ea \$4.00, 2 ea) Insulators for corner posts (Porcelain) (\$0.90 ea, 4 ea) Insulators for line posts (\$0.36 ea, 24 ea) Labor: Dig and set 1 end post (\$12.00 hr, 2 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 2 hrs)				46.17 22.08 19.80 8.00 3.60 8.64 36.00 28.80 36.00			
Fence	382	ft	20	0.56	0.03	0.02	0
Scenario 4: 2-Strand Electric Fence; 1320 ft long; 2 hand dug, end brace assemblies; w/energizer components Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95 ea, 0.66 ro) Line Posts: T-posts (ea \$1.84, 12 ea) Corner/Gate Posts: (6" treated wood) no bracing (ea \$9.90, 2 ea) Cement (80 lbs. bags) (ea \$4.00, 2 ea) Energizer (100 - 200 acres) (ea \$475.00, 1 ea) Grounding components: (1/2" galvanized steel rods 6' long) (ea \$9.99, 3 ea) Lightning arrestor (ea \$25.00, 1 ea) Insulators for corner posts (Porcelain) (\$0.90 ea, 4 ea) Insulators for line posts (\$0.36 ea, 24 ea) Labor: Dig and set 1 end post (\$12.00 hr, 2 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 2 hrs)				46.17 22.08 19.80 8.00 475.00 29.97 25.00 3.60 8.64 36.00 28.80 36.00			

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Fence	382	ft	20	0.22	0.03	0.01	0
Scenario 5: 2-Strand electric fence; 1320 ft long, 4 hand dug, end brace assemblies; w/o energizer components; 1 gate. Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95, 0.66 ro) Line Posts: T-posts (\$1.84 ea, 12 ea) Corner/Gate Posts: (6" treated wood) no bracing (\$9.90 ea, 4 ea) Cement (80 lbs. bags) (ea \$4.00, 4 ea) Insulator for corner posts/gates (porcelain) (\$0.90 ea, 10 ea) Insulators for line posts (\$0.36 ea, 24 ea) Gate handles (\$1.75 ea, 2 ea) Labor: Dig and set 1 end post (\$12.00 hr, 4 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 2 hrs) Make gate (\$12.00 hr, 1 hr)				46.17 22.08 39.60 16.00 9.00 8.64 3.50 72.00 28.80 36.00 12.00			
Fence	382	ft	20	0.12	0.03	0.01	0
Scenario 6: 1-Strand Electric Fence; 1320 ft long; 2 hand dug, end brace assemblies; w/o energizer components Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95 ea, 0.33 ro) Line Posts: T-posts (ea \$1.84, 12 ea) Corner/Gate Posts: (6" treated wood) no bracing (ea \$9.90, 2 ea) Cement (80 lbs. bags) (ea \$4.00, 2 ea) Insulators for corner posts (Porcelain) (\$0.90 ea, 2 ea) Insulators for line posts (\$0.36 ea, 12 ea) Labor: Dig and set 1 end post (\$12.00 hr, 2 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 1 hr)				23.08 22.08 19.80 8.00 1.80 4.32 36.00 28.80 18.00			
Fence	382	ft	20	0.18	0.03	0.01	0
Scenario 7: 1-Strand Electric Fence; 1320 ft long; 2 hand dug, end brace assemblies; w/o energizer components; 1 gate Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95 ea, 0.33 ro) Line Posts: T-posts (ea \$1.84, 12 ea) Corner/Gate Posts: (6" treated wood) no bracing (ea \$9.90, 4 ea) Cement (80 lbs. bags) (ea \$4.00, 4 ea) Insulators for corner posts (Porcelain) (\$0.90 ea, 5 ea) Insulators for line posts (\$0.36 ea, 24 ea) Gate handles (\$1.75 ea, 1 ea) Labor: Dig and set 1 end post (\$12.00 hr, 2 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 1 hr) Make Gate (\$12.00 hr, 1 hr)				23.08 22.08 39.60 16.00 4.50 8.64 1.75 72.00 28.80 18.00 6.00			
Field Border	386	ac	10	177.63	0.05	8.88	0
Scenario 1: 1. Seedbed Prep (Disk 2X and roll) 2. Seeding (Drill) 3. Seed (Serecia Lespedeza @ 30 lbs/ac) 4. Fertilizer (0-24-24 @ 300 lbs/ac) 5. Maintenance				18.25 5.78 122.10 31.50			
Field Ditch	607	ft	10	0.73	0.04	0.03	0

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Filter Strip	393	ac	10	223.03	0.05	11.15	0
Scenario 1:							
1. Smoothing/shaping (50 cu yds/ac)				65.00			
2. Seedbed Prep (Disk 2 X & Roll)				18.25			
3. Seeding (Drill)				5.78			
4. Seed (Bahia @ 40 lbs/ac)				74.00			
5. Fertilizer (13-13-13 @ 500 lbs/ac)				60.00			
6. Maintenance							
Firebreak	394	ft	20	0.27	0.14	0.04	0
Scenario 1: Disked Firelines - 6 ft wide							
Firebreak	394	ft	20	0.11	0.14	0.02	0
Scenario 2: Plowed Firelines - 6 ft wide							
Firebreak	394	ft	20	0.80	0.14	0.11	0
Scenario 3: Road 12 ft average road bed width; 1 ft average fill height; 3 to 1 side slopes							
Firebreak	394	ft	1	0.00	0	0.00	0.33
Scenario 4: Grazed firebreak 6 ft wide; cool season annual grass; Seedbed prep \$.27/lf; ryegrass \$.06/lf							
Firebreak	394	ft	20	0.40	0.14	0.06	0
Scenario 5: Grazed firebreak 6 ft wide; warm season perennial grass; Seedbed prep \$.27/lf; bahia \$.13/lf							
Firebreak	394	ft	1	0.00	0	0.00	0.46
Scenario 6: Grazed firebreak 6 ft wide; cool & warm season grasses; Seedbed prep \$.27/lf; bahia \$.13/lf; overseeded ryegrass \$.06/lf							
Fishpond Management	399	ac	5	57.50	0	0.00	1.75
Scenario 1: Stock 50 bass/500 bluegill							
1. Fish							
Bluegills \$.07ea; Bass \$.45ea				57.50			
2. Management (quality checks, record keeping, limit harvest)							1.75
Fishpond Management	399	ac	5	260.00	0	0.00	393.75
Scenario 2: Clear Turbid Water							
1. Alum Application (Alum 3 - 50# lb bags; \$22.00/bag; Labor -							126.00
2. Erosion Control (Straw Mulching)							266.00
3. Remove Undesirable Species				260.00			0
4. Management (monitoring, record keeping, evaluation)							1.75
Fishpond Management	399	ac	5	0.00	0	0.00	267.75
Scenario 3: Control Undesirable Vegetation							
1. Herbicide Application (Herb - \$206.00; Labor - \$60.00)							266.00
2. Management (monitoring, record keeping)							1.75
Fishpond Management	399	ac	5	567.64	0	0.00	1.75
Scenario 4: Total Pond Renovation							
1. Rotenone (Chem - \$206.00; Labor - \$60.00)				266.00			
2. Lime				41.14	0	0	
3. Restock				260.50			
4. Management (draining, checking lime requirement)							1.75
Fishpond Management	399	ac	5	41.14	0	0.00	1.75
Scenario 5: Liming							
1. Check lime requirement							1.75
2. Lime (Lime \$31/tn; Labor \$10.14)				41.14			
Fishpond Management	399	ac	5	233.62	0	0.00	1.75
Scenario 6: Liming and Fertilization							
1. Lime (Lime \$31/tn; Labor \$10.14)				41.14			
2. Add Fertilizer (Phosphorous 816/ac 6 X/yr - \$26/lb)				192.48			
3. Management (Check lime requirement, check plankton bloom, check temperature, monitor bloom and temperature, record keeping)							1.75
Fishpond Management	399	ac	5	67.50	0	0.00	1.75
Scenario 7: Stock 150 catfish							
1. Fish (Fish \$.45 ea)				67.50			
2. Management (quality checks, record keeping, limit harvest)							1.75
Fishpond Management	399	ac	5	90.00	0	0.00	1.75
Scenario 8: Stock supplemental forage							
1. Species (Fathead Minnows)				90.00			
2. Management (monitoring, record keeping)							1.75

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Fishpond Management	399	ac	5	130.00	0	0.00	1.75
Scenario 9: Add Fish Habitat							
1. Rock/Sand				100.00			
2. Brush				30.00			
3. Management (record keeping)							1.75
Forage Harvest Management	511	ac	1	0.00	0	0.00	101.92
Scenario 1: Round Bales; 1 1/2 ton /cutting							
Mower/conditioner (including 43 hp tractor)							19.52
(cutting \$4.88, cuttings 4)							
Hay Rake (including 43 hp tractor)							12.36
(cutting \$3.09, cuttings 4)							
Baler (including 68 hp tractor)							39.60
(cutting \$9.90, cuttings 4)							
Twine (cutting \$0.75, cuttings 4)							3.00
Hay Fork (including 68 hp tractor)							27.44
(cutting \$6.86, cuttings 4)							
Forage Harvest Management	511	ac	1	0.00	0	0.000	142.24
Scenario 2: Conventional Square Bales;							
1 1/2 ton/cutting							
Mower/conditioner (including 43 hp tractor)							19.52
(cutting \$4.88, cuttings 4)							
Hay Rake (including 43 hp tractor)							12.36
(cutting \$3.09, cuttings 4)							
Baler (including 68 hp tractor)							22.72
(cutting \$5.68, cuttings 4)							
Twine (cutting \$0.75, cuttings 4)							3.00
Trailer hay (cutting \$9.91, cuttings 4)							39.64
Other labor (cutting \$11.24, cuttings 4)							45.00
Forest Harvest Trails and Landings	655	ea	5	47.00	0.08	3.76	0
Scenario 1: Waterbar Installation							
Forest Site Preparation	490	ac	25	81.00	0	0.00	0
Scenario 1: Mechanical Site Prep Light							
Forest Site Preparation	490	ac	25	101.00	0	0.00	0
Scenario 1: Mechanical Site Prep Medium							
Forest Site Preparation	490	ac	25	167.00	0	0.00	0
Scenario 1: Mechanical Site Prep Intense							
Forest Site Preparation	490	ac	25	101.00	0	0.00	0
Scenario 1: Mechanical Site Prep Light with Burn							
Forest Site Preparation	490	ac	25	121.00	0	0.00	0
Scenario 1: Mechanical Site Prep Medium with Burn							
Forest Site Preparation	490	ac	25	187.00	0	0.00	0
Scenario 1: Mechanical Site Prep Intense with Burn							
Forest Site Preparation	490	ac	25	86.00	0	0.00	0
Scenario 2: Chemical Site Prep Aerial							
Forest Site Preparation	490	ac	25	91.00	0	0.00	0
Scenario 2: Chemical Site Prep Ground							
Forest Site Preparation	490	ac	25	106.00	0	0.00	0
Scenario 2: Chemical Site Prep Aerial and Burn							
Forest Site Preparation	490	ac	25	111.00	0	0.00	0
Scenario 2: Chemical Site Prep Ground and Burn							
Forest Site Preparation	490	ac	25	142.00	0	0.00	0
Scenario 2: Chemical Site Prep Aerial and Burn							
and Weed Suppression							
Forest Site Preparation	490	ac	25	137.00	0	0.00	0
Scenario 2: Chemical Site Prep Ground and Burn and							
Weed Suppression							
Forest Site Preparation	490	ac	25	152.00	0	0.00	0
Scenario 3: Mechanical/Chemical Combination Intense							
and Ground							
Forest Site Preparation	490	ac	25	172.00	0	0.00	0
Scenario 3: Mechanical/Chemical Combination Intense							
and Ground and Burn							
Forest Site Preparation	490	ac	25	198.00	0	0.00	0
Scenario 3: Mechanical/Chemical Combination Intense							
and Ground and Burn and Weed							
Suppression							

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Forest Stand Improvement	666	ac	10	40.00	0.03	1.20	0
Scenario 1: Seedling Weed Suppression Broadcast-Aerial							
Forest Stand Improvement	666	ac	10	45.00	0.03	1.35	0
Scenario 1: Seedling Weed Suppression Broadcast-Ground							
Forest Stand Improvement	666	ac	10	35.00	0.03	1.05	0
Scenario 1: Seedling Weed Suppression Banded-Ground							
Forest Stand Improvement	666	ac	10	66.00	0.03	1.98	0
Scenario 2: Sapling Brush Suppression Ages 3- 7 Broadcast-Aerial							
Forest Stand Improvement	666	ac	10	77.00	0.03	2.31	0
Scenario 2: Sapling Brush Suppression Ages 3- 7 Broadcast-Ground							
Forest Stand Improvement	666	ac	10	82.00	0.03	2.46	0
Scenario 2: Sapling Brush Suppression Ages 3- 7 Pre-Commercial Thinning							
Forest Stand Improvement	666	ac	10	82.00	0.03	2.46	0
Scenario 3: Mid-Rotation Brush Suppression Broadcast-Aerial							
Forest Stand Improvement	666	ac	10	85.00	0.03	2.55	0
Scenario 3: Mid-Rotation Brush Suppression Broadcast-Ground							
Forest Stand Improvement	666	ac	10	102.00	0.03	3.06	0
Scenario 3: Mid-Rotation Brush Suppression Broadcast-Aerial and Burn							
Forest Stand Improvement	666	ac	10	105.00	0.03	3.15	0
Scenario 3: Mid-Rotation Brush Suppression Broadcast-Ground and Burn							
Grade Stabilization Structure	410	no	25	2233.84	0.04	89.35	0
Grassed Waterway	412	ac	10	1944.19	0.05	97.21	0
Scenario 1: For channel slopes ≤ 1%							
Grassed Waterway	412	ac	10	2878.33	0.05	143.92	0
Scenario 2: For channel slopes ≥ 1%							
Heavy Use Area Protection	561	ac	10	121.17	0.03	3.64	0
Scenario 1: Prepared seedbed; Permanent pasture-common bermudagrass Seed (lbs \$2.48, 6 lbs) Seedbed Preparation Disk 2 X (ea \$29.00, 1 ea) Harrow (ea \$3.58, 1 ea) Lime Application (tn \$33.00, 1 tn) Fertilizer Application Seeding Broadcast Cultipack				14.88 29.00 3.58 33.00 34.00 2.34 4.37			
Heavy Use Area Protection	561	ac	10	918.75	0.03	27.56	0
Scenario 2: Concrete Pad for Watering Facility See Watering Facility Practice Standard (614)							
Heavy Use Area Protection	561	ac	10	429.24	0.03	12.88	0
Scenario 3: Gravel Pad for Watering Facility See Watering Facility Practice Standard (614)							
Irrigation Canal or Lateral	320	ft	20	9.51	0.05	0.48	0
Irrigation Field Ditch	388	ft	10	1.77	0.04	0.07	0
Irrigation Land Leveling	464	ac	20	280.32	0.03	8.41	0
Irrigation Pit	552A	no	20	6,125.73	0.06	367.54	0
Irrigation Reservoir	552B	no	15	6,125.73	0.01	61.26	0
Irrigation Storage Reservoir	436	no	20	113,264.46	0.03	3397.93	0
Irrigation System	441	no&ac	10	Because of the potential complexity of this system (practice) contract costs will be calculated for specific planned situations			
Micro							

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Irrigation System Sprinkler	442	no&ac	15	Because of the potential complexity of this system (practice) contract costs will be calculated for specific planned situations			
Irrigation System Surface & Subsurface	443	no&ac	15	Because of the potential complexity of this system (practice) contract costs will be calculated for specific planned situations			
Irrigation System Tailwater Recovery	447	no&ac	20	Because of the potential complexity of this system (practice) contract costs will be calculated for specific planned situations			
Irrigation Water Conveyance 8"	430D D & EE	ft	25	10.41	0.01	0.1	0
10"				5.59			
12"				6.97			
15"				9.13			
18"				13.38			
				16.97			
Irrigation Water Management Scenario 1: All Crops Except Rice 1. Measuring Soil Moisture for Irrigation Scheduling	449	ac	1	0.00	0	0	6.00
Irrigation Water Management Scenario 2: Rice 1. Rice Water Quality Improvement							6.00
Land Smoothing	466	ac	20	131.00	0.01	1.31	0
Main or Lateral	608	ft	20	2.67	0.04	0.11	0
Mulching Scenario 1: Hay or Straw Mulch 1. Hay Mulch @ 2t/ac	484	ac	1	0.00	0	0	266.64
Mulching Scenario 2: Wood Cellulose Fiber 1. Hydromulch at 1800 lbs/ac							2000.00
Nutrient Management Scenario 1. Soil Analysis, Interpretation, & Recommendations 2. Develop Nutrient Budget 3. Annual Review and Record Keeping	590	ac	1	0.00	0	0	2.00
Pasture and Hayland Planting Scenario 1: Prepared seedbed; Permanent pasture-common bermudagrass Seed (lbs \$2.48, 6 lbs) Seedbed Preparation Disk 2 X (ea \$29.00, 1 ea) Harrow (ea \$3.58, 1 ea) Lime Application (tn \$33.00, 1 tn) Fertilizer Application Seeding Broadcast Cultipack	512	ac	10	121.17	0.04	4.85	0
Pasture and Hayland Planting Scenario 2: Prepared seedbed; Permanent pasture-hybrid bermudagrass Sprigs (bu \$2.21, 20 bu) Seedbed Preparation Disk 2 X (ea \$29.00, 1 ea) Harrow (ea \$3.58, 1 ea) Lime Application (tn \$33.00, 1 tn) Fertilizer Application Sprigger Cultipack	512	ac	10	163.13	0.04	6.53	0.00

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Conservation Practice Name	Code	Units	Life-Span (yrs)	Flat Rate Installed Costs (\$)	Maintenance Cost Factors (%)	Annual Maintenance Cost (\$)	Annual Management Cost (\$)
Pasture and Hayland Planting	512	ac	10	65.07	0.04	2.60	0
Scenario 3: Prepared seedbed; Temporary pasture-ryegrass							
Seed (lbs \$0.40, 30 lbs)				12.00			
Seedbed Preparation							
Light disk 1 X (ea \$8.80, 1 ea)				4.40			
Harrow (ea \$3.58, 1 ea)				3.58			
Fertilizer Application				20.08			
Seeding Broadcast				2.34			
Light disk 1 X				4.40			
Fertilizer Application				18.27			
Pasture and Hayland Planting	512	ac	10	58.56	0.04	2.34	0
Scenario 4: Sod seeding w/no-till drill; Temporary pasture-ryegrass							
Seed (lbs \$0.40, 30 lbs)				12.00			
Fertilizer Application				20.08			
Seeding no-till drill				8.21			
Fertilizer Application				18.27			
Pest Management	595	ac	1	0.00	0		10.00
Scenario							
1. Scout Pests							9
2. Evaluate Soil/Pesticide Interaction							0.50
3. Record Keeping							0.50
Pipeline	516	ft	20	2.01	0.01	0.02	0
Scenario 1: 3/4"				1.88		0.02	
Scenario 2: 1"				1.97		0.02	
Scenario 3: 1.5"				2.18		0.02	
Pond	378	no	20	4385.00	0.02	87.70	0
Pond Sealing or Lining	521A	no	20	9,309.66	0.01	93.1	0
Scenario 1: Flexible Membrane							
Pond Sealing or Lining	521C	no	20	6,948.38	0.01	69.48	0
Scenario 2: Bentonite Sealant							
Precision Land Forming	462	ac	20	280.32	0.03	8.41	0
Prescribed Burning	338	ac	6	20.00	0	0.00	0
Scenario 1: Forest Land							
Prescribed Burning	338	ac	6	8.00	0	0.00	0
Scenario 2: Marsh							
Prescribed Grazing	528A	ac	1	0.00	0	0.00	6.72
Scenario 1: <50 Ac (25 AC Mid-point) Continuous grazing; 1 Herd							
Forage monitoring to determine availability							156.00
Pasture condition monitoring for improvement (1X/yr)							12.00
Rotating Cattle							
Prescribed Grazing	528A	ac	1	0.00	0	0.00	2.40
Scenario 2: 50 - 139 Ac (94 AC Mid-point) Continuous grazing; 1 Herd							
Forage monitoring to determine availability							208.00
Pasture condition monitoring for improvement (1X/yr)							18.00
Rotating Cattle							
Prescribed Grazing	528A	ac	1	0.00	0	0.00	0.89
Scenario 3: 140 - 499 Ac (320 AC Mid-point) Continuous grazing; 1 Herd							
Forage monitoring to determine availability							260.00
Pasture condition monitoring for improvement (1X/yr)							24.00
Rotating Cattle							
Prescribed Grazing	528A	ac	1	0.00	0	0.00	0.68
Scenario 4: >500 Ac (500 AC Mid-point) Continuous grazing; 1 Herd							
Forage monitoring to determine availability							312.00
Pasture condition monitoring for improvement (1X/yr)							30.00
Rotating Cattle							
Prescribed Grazing	528A	ac	1	0.00	0	0.00	26.48
Scenario 5: <50 Ac (25 AC Mid-point); 10 day rotation; 4 pastures; 1 Herd							
Forage monitoring to determine availability							416.00
Pasture condition monitoring for improvement (2X/yr)							24.00
Rotating Cattle							222.00

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Prescribed Grazing	528A	ac	1	0.00	0	0.00	8.67
Scenario 6: 50 - 139 Ac (94 AC Mid-point); 10 Day rotation; 4 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							520.00 36.00 259.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	3.14
Scenario 7: 140 - 499 Ac (320 AC Mid-point); 10 Day rotation; 4 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							624.00 48.00 333.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	2.39
Scenario 8: >500 Ac (500 AC Mid-point); 10 Day rotation; 4 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							728.00 60.00 407.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	63.52
Scenario 9: <50 Ac (25 AC Mid-point); 3 day rotation; 8 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							832.00 24.00 732.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	19.43
Scenario 10: 50 - 139 Ac (94 AC Mid-point); 3 Day rotation; 8 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							936.00 36.00 854.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	6.83
Scenario 11: 140 - 499 Ac (320 AC Mid-point); 3 Day rotation; 8 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							1040.00 48.00 1098.00
Prescribed Grazing	528A	ac	1	0.00	0	0.00	5.09
Scenario 12: >500 Ac (500 AC Mid-point); 3 Day rotation; 8 pastures; 1 Herd Forage monitoring to determine availability Pasture condition monitoring for improvement (2X/yr) Rotating Cattle							1144.00 60.00 1342.00
Range Planting	550	ac	20	164.31	0.01	1.64	0
Scenario 1: Prepared Seedbed, 4 Species Mix Seed Seed Switchgrass Indiangrass Big Blue Stem Little Blue Stem Seedbed Preparation Disk 2X Harrow Lime Application Fertilizer Application Seeding No-Till Drill				4.86 18.37 21.51 11.79 29.00 3.58 33.00 34.00 8.21			
Range Planting	550	ac	20	201.47	0.04	8.06	0
Scenario 2: Prepared Seedbed with Chemical Burndown, No-Till Drill Seed Switchgrass Indiangrass Big Blue Stem Little Blue Stem Seedbed Preparation Disk 2X Harrow Lime Application Herbicide Application Sprayer - 30 ft boom (Hrs/acre = 0.06) Tractor (Hrs/ac = 0.06) Nurse Tank Labor (Hour/acre = 0.06) Herbicide (Roundup) Fertilizer Application Seeding No-Till Drill				4.86 18.37 21.51 11.79 29.00 3.58 33.00 0.34 0.50 0.50 0.72 35.12 34.00 8.21			

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Residue Management, Mulch-Till	329B	ac	1	0.00	0	0	17.96
Scenario 1: Row Planted							
1. Full-Width Tillage Operation i.e., light disk							6.96
2. Pre-plant Herbicide Application (Herbicide & High Volume Aerial Application)							8.70
3. No-Till Planter							3.30
Residue Management, Mulch-Till	329B	ac	1	0.00	0	0	18.55
Scenario 2:							
1. Full-Width Tillage Operation (i.e., light disk)							6.96
2. Pre-plant Herbicide Application (Herbicide & High Volume Aerial Application)							8.70
3. No-Till Drill							2.89
Residue Management, No-Till/Strip-Till	329A	ac	1	0.00	0	0	19.49
Scenario 1: Row Planted							
1. Pre-plant Herbicide Application (Herbicide & High Volume Aerial Application)							8.70
2. Pre-plant Herbicide Application (Herbicide & Boom Spray)							8.49
3. No-Till Planter							2.30
Residue Management, No-Till/Strip-Till	329A	ac	1	0.00	0	0	20.08
Scenario 2: Drill Planted							
1. Pre-plant Herbicide Application (Herbicide & High Volume Aerial Application)							8.70
2. Pre-plant Herbicide Application (Herbicide & Boom Spray)							8.49
3. No-Till Drill							2.89
Residue Management, Ridge-Till	329C	ac	1	0.00	0	0	13.08
Scenario 1:							
1. Pre-plant Herbicide Application (Herbicide & High Volume Aerial Application)							8.70
2. Row Clean Attachment to Planter and No-Till Planter							3.30
3. Ridge-till Cultivator (2 Trips)							1.08
Residue Management, Seasonal	344	ac	1	0.00	0	0	4.82
Scenario 1:							
1. Shredding Residue							4.82
Riparian Forest Buffer	391	ac	30	170.00	0.01	1.70	0
Scenario 1							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Tree Planting - Pine (303 TPA)				64.00			
Riparian Forest Buffer	391	ac	30	154.00	0.01	1.54	0
Scenario 2							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Direct Seed - Pine				48.00			
Riparian Forest Buffer	391	ac	30	258.00	0.01	2.58	0
Scenario 3							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Tree Planting - Hardwood (303 TPA)				152.00			
Riparian Forest Buffer	391	ac	30	186.00	0.01	1.86	0
Scenario 4							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Direct Seed - Hardwood & Shrubs				80.00			
Riparian Forest Buffer	391	ac	30	531.00	0.01	5.31	0
Scenario 5							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Tree Planting - Shrub Lespedeza				425.00			
Riparian Forest Buffer	391	ac	30	331.00	0.01	3.31	0
Scenario 6							
Forest, Site Prep				86.00			
Establish Grass				20.00			
Direct Seed - Shrub Lespedeza				225.00			

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Row Arrangement	557	ac	1	0.00	0	0	2.94
Scenario 1: 1. Use of Laser Equipment to Lay Out the Proper Row Direction							2.94
Sediment Basin	350	no	20	2875.00	0.05	143.75	0
Shallow Water Management for Wildlife	646	ac	7	0.00	0	0	68.57
Scenario 1: Managing naturally occurring herbaceous vegetation							
1. Flood				0.00	0	0	27.60
2. Disk				0.00	0	0	6.97
3. Bushhogging				0.00	0	0	10.24
4. Burn				0.00	0	0	20.00
5. Herbicide Treatment				0.00	0	0	3.76
6. Management (manipulate water levels, record keeping)				0.00	0	0	1.75
Shallow Water Management for Wildlife	646	ac	7	0.00	0	0	266.37
Scenario 2: Planting and managing herbaceous vegetation							
1. Flood				0.00	0	0	27.60
2. Disk				0.00	0	0	6.97
3. Bushhogging				0.00	0	0	10.24
4. Herbicide Treatment				0.00	0	0	3.76
5. Burn				0.00	0	0	20.00
6. Plant				0.00	0	0	186.53
7. Seedbed Preparation				0.00	0	0	9.52
8. Management (manipulate water levels, record keeping)				0.00	0	0	1.75
Streambank and Shoreline Protection	580	ft	20	66.00	0.02	1.32	0
Terrace	600	ft	20	1.25	0.04	0.05	0
Scenario 1: Cropland-Macon Ridge							
Terrace	600	ft	20	0.68	0.04	0.03	0
Scenario 2: Pasture and cropland (non-loess soils)							
Tree/Shrub Establishment	612	ac	30	88.00	0.01	0.88	0
Scenario 1: Pine Seedling (Timber) 680 TPA (8' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	70.00	0.01	0.70	0
Scenario 1: Pine Seedling (Timber) 540 TPA (9' X 9') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	59.00	0.01	0.59	0
Scenario 1: Pine Seedling (Timber) 450 TPA (12' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	57.00	0.01	0.57	0
Scenario 1: Pine Seedling (Timber) 435 TPA (10' X 10') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	51.00	0.01	0.51	0
Scenario 1: Pine Seedling (Timber) 390 TPA (14' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	44.00	0.01	0.44	0
Scenario 1: Pine Seedling (Timber) 340 TPA (16' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	156.00	0.01	1.56	0
Scenario 1: Pine Seedling (Timber) 680 TPA (8' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	124.00	0.01	1.24	0
Scenario 1: Pine Seedling (Timber) 540 TPA (9' X 9') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	104.00	0.01	1.04	0
Scenario 1: Pine Seedling (Timber) 450 TPA (10' X 10') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	100.00	0.01	1.00	0
Scenario 1: Pine Seedling (Timber) 435 TPA (10' X 10') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	90.00	0.01	0.90	0
Scenario 1: Pine Seedling (Timber) 390 TPA (14' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	78.00	0.01	0.78	0
Scenario 1: Pine Seedling (Timber) 340 TPA (16' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	39.00	0.01	0.39	0
Scenario 2: Pine Seedling (Wildlife) 303 TPA (12' X 12') (Bare Root and Plant)							

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Tree/Shrub Establishment	612	ac	30	29.00	0.01	0.29	0
Scenario 2: Pine Seedling (Wildlife) 225 TPA (24' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	70.00	0.01	0.70	0
Scenario 2: Pine Seedling (Wildlife) 303 TPA (12' X 12') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	52.00	0.01	0.52	0
Scenario 2: Pine Seedling (Wildlife) 225 TPA (24' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	130.00	0.01	1.30	0
Scenario 3: Longleaf Seedling 435 TPA (10' X 10') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	88.00	0.01	0.88	0
Scenario 3: Longleaf Seedling 303 TPA (12' X 12') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	65.00	0.01	0.65	0
Scenario 3: Longleaf Seedling 225 TPA (24' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	104.00	0.01	1.04	0
Scenario 3: Longleaf Seedling 450 TPA (12' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	70.00	0.01	0.70	0
Scenario 3: Longleaf Seedling 303 TPA (12' X 12') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	52.00	0.01	0.52	0
Scenario 3: Longleaf Seedling 225 TPA (24' X 8') (Containerized and Plant)							
Tree/Shrub Establishment	612	ac	30	202.00	0.01	2.02	0
Scenario 4: Hardwood Seedling 450 TPA (12' X 8') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	137.00	0.01	1.37	0
Scenario 4: Hardwood Seedling 303 TPA (12' X 12') (Bare Root and Plant)							
Tree/Shrub Establishment	612	ac	30	101.00	0.01	1.01	0
Scenario 4: Hardwood Seedling 225 TPA (24' X 8') (Bare Root and Plant)							
Upland Wildlife Habitat	645	ac	1	452.50	0	0.00	38.72
Scenario 1: Quail, Turkey, Deer							
1. Site Preparation				20.00	0	0	0
2. Plant Woody Vegetation; Planting Trees (4/6.00/ac, \$84.00ac)				130.00	0	0	0
3. Seedbed Preparation				24.45	0	0	0
4. Plant Herbaceous Vegetation; Plant \$9.52; Seed \$6.53				196.05	0	0	0
5. Disk				0.00	0	0	6.97
6. Burn				0.00	0	0	20.00
7. Bushhogging				0.00	0	0	10.00
8. TSI				82.00	0	0	0
9. Management Record Keeping				0.00	0	0	1.75
Use Exclusion	472	ac	10	447.96	0.02	8.96	0
Scenario 1: 5-Strand Barbwire Fence; 1320 ft long, 4 hand dug, corner assemblies; 1 mid-line gate. Excludes 2.5 acres							
Wire: Barbwire 12 1/2 gauge (ro \$41.60 ea, 5 ro)				208.00			
Line Posts: T-posts (1 every 20') (\$1.84 ea, 64 ea)				117.76			
Corner/Gate Posts: (6" treated wood) (\$9.90 ea, 16 ea)				158.40			
H-Brace: (4" treated wood) (\$8.00 ea, 10 ea)				80.00			
Staples: (9 gauge 1.5" long) (\$0.08 lbs, 2 lbs)				0.15			
Labor:							
Dig and set 1 end post (\$12.00 hr, 16 hrs)				144.00			
Set a steel post (\$12.00 hr, 64 hrs)				153.60			
String and attach each wire (\$12.00 hr, 5 hrs)				180.00			
Set up each brace post (\$12.00 hr, 10 hrs)				60.00			
Make gate (\$12.00 hr, 1 hr)				18.00			
Use Exclusion	472	ac	10	165.11	0.02	3.30	0
Scenario 2: 2-Strand electric fence; 1320 ft long, 4 hand dug, corner assemblies; w/o energizer components; 1 gate. Excludes 2.5 acres							

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Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95, 0.66 ro) Line Posts: T-posts (\$1.84 ea, 12 ea) Corner/Gate Posts: (6" treated wood) (\$9.90 ea, 6 ea) Cement (80 lbs. bags) (ea \$4.00, 6 ea) Insulator for corner posts/gates (porcelain) (\$0.90 ea, 18 ea)				46.17 22.08 59.40 24.00 16.20			
Insulators for line posts (\$0.36 ea, 24 ea) Gate handles (\$1.75 ea, 2 ea) Labor: Dig and set 1 end post (\$12.00 hr, 12 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 2 hrs) Make gate (\$12.00 hr, 1 hr)				8.64 3.50 144.00 28.80 48.00 12.00			
Use Exclusion	472	ac	10	223.98	0.02	4.48	0
Scenario 3: 5-Strand Barbwire Fence; 1320 ft long, 4 hand dug, corner assemblies; 1 mid-line gate. Excludes 5 acres Wire: Barbwire 12 1/2 gauge (ro \$41.60 ea, 5 ro) Line Posts: T-posts (1 every 20') (\$1.84 ea, 64 ea) Corner/Gate Posts: (6" treated wood) (\$9.90 ea, 16 ea) H-Brace: (4" treated wood) (\$8.00 ea, 10 ea) Staples: (9 gauge 1.5" long) (\$0.08 lbs, 2 lbs) Labor: Dig and set 1 end post (\$12.00 hr, 16 hrs) Set a steel post (\$12.00 hr, 64 hrs) String and attach each wire (\$12.00 hr, 5 hrs) Set up each brace post (\$12.00 hr, 10 hrs) Make gate (\$12.00 hr, 1 hr)				208.00 117.76 158.40 80.00 0.15 144.00 153.60 180.00 60.00 18.00			
Use Exclusion	472	ac	10	82.56	0.02	1.65	0
Scenario 4: 2-Strand electric fence; 1320 ft long, 4 hand dug, corner assemblies; w/o energizer components; 1 gate. Excludes 5 acres Wire: Smooth wire 12 1/2 gauge (4000'/roll) (ro \$69.95, 0.66 ro) Line Posts: T-posts (\$1.84 ea, 12 ea) Corner/Gate Posts: (6" treated wood) (\$9.90 ea, 6 ea) Cement (80 lbs. bags) (ea \$4.00, 6 ea) Insulator for corner posts/gates (porcelain) (\$0.90 ea, 18 ea) Insulators for line posts (\$0.36 ea, 24 ea) Gate handles (\$1.75 ea, 2 ea) Labor: Dig and set 1 end post (\$12.00 hr, 12 hrs) Set a steel post and put on insulators (\$12.00 hr, 12 hrs) String and attach each wire (\$12.00 hr, 2 hrs) Make gate (\$12.00 hr, 1 hr)				46.17 22.08 59.40 24.00 16.20 8.64 3.50 144.00 28.80 48.00 12.00			
Water Control Structure	587	no	20	14,188.00	0.03	425.64	0
Watering Facility	614	no	10	233.50	0.02	4.67	0
Scenario 1: Trough							
Watering Facility	614	ft	10	1,152.25	0.02	23.05	0
Scenario 2: Trough/Concrete Pad							
Watering Facility	614	ft	10	662.74	0.02	13.25	0
Scenario 3: Trough Stone Pad							
Water Wells	642	no	20	22,555.56	0.01	225.56	0
Well Decommissioning	351	no	20	9,011.11	0	0	0
Wetland Enhancement	659	ac	15	225.00	0.01	2.25	0
Wetland Restoration	657	ac	10	521.88	0.03	15.66	0
Dike				80.00			
Water Control Structure				141.00			
Forest Site Preparation				110.00			
Firebreak				20.00			
Prescribed Burn				20.00			
Tree/Shrub Establishment				150.00			