Code	Practice	Component	Units	Unit Cost
314	Brush Management	Chemical - Ground Applied	ac	$5.78
314	Brush Management	Cut Stump, 2 year follow-up spray	ac	$45.37
314	Brush Management	Chemical, Individual Plant Treatment	ac	$8.81
315	Herbaceous Weed Control	Hand Removal	ac	$6.84
315	Herbaceous Weed Control	Mechanical and Chemical	ac	$9.79
315	Herbaceous Weed Control	Chemical, spot treatment over entire site acreage	ac	$5.85
315	Herbaceous Weed Control	Chemical, Ground	ac	$5.30
319	On-Farm Secondary Containment Facility	Concrete or Masonry Containment Wall	sq ft	$1.55
319	On-Farm Secondary Containment Facility	Double Wall Tank	gal	$0.11
319	On-Farm Secondary Containment Facility	Earthen Containment	sq ft	$0.56
327	Conservation Cover	Pollinator Species	ac	$104.84
327	Conservation Cover	Introduced Species	ac	$16.16
327	Conservation Cover	Native Species	ac	$18.76
327	Conservation Cover	Monarch Species Mix	ac	$148.20
328	Conservation Crop Rotation	Basic Rotation Organic and Non-Organic	ac	$1.15
328	Conservation Crop Rotation	Specialty Crops Organic and Non-Organic	ac	$3.07
329	Residue and Tillage Management, No Till	No-Till/Strip-Till	ac	$2.02
329	Residue and Tillage Management, No Till	No Till Adaptive Management	Ea	$325.70
338	Prescribed Burning	Understory Burn	ac	$5.64
340	Cover Crop	Cover Crop Multiple Species Organic and Non-Organic	ac	$9.87
340	Cover Crop	Cover Crop Adaptive Management	Ea	$235.07
340	Cover Crop	Cover Crop - Basic	ac	$8.44
342	Critical Area Planting	Vegetation-normal tillage (Organic and Non-Organic)	ac	$21.85
342	Critical Area Planting	Native and Introduced Vegetation - Moderate Grading	ac	$59.02
342	Critical Area Planting	Native or Introduced Grass/legume mix-heavy grading (Organic and Non-organic)	ac	$96.99
345	Residue and Tillage management, Reduced till	Reduced Till Sweep for No Burn/Sweep Beds - Sugarcane Production in Louisiana	ac	$1.67
345	Residue and Tillage management, Reduced till	Residue and Tillage Management, Reduced Till	ac	$2.15
345	Residue and Tillage management, Reduced till	Mulch till-Adaptive Management	Ea	$391.61
374	Farmstead Energy Improvement	Motor Upgrade > 1 and < 10 HP	Ea	$86.77

Code	Practice	Component	Units	Unit Cost
374	Farmstead Energy Improvement	Scroll Compressor	Ea	$125.04
374	Farmstead Energy Improvement	Evaporative cooling system	sq ft	$2.47
374	Farmstead Energy Improvement	Automatic Controller System	Ea	$150.94
374	Farmstead Energy Improvement	Motor Upgrade > 100 HP	Ea	$2,483.40
374	Farmstead Energy Improvement	Grain Dryer	Bu/Hr	$9.95
374	Farmstead Energy Improvement	Heating - Radiant Brooder	Ea	$50.06
374	Farmstead Energy Improvement	Heating - Radiant Tube	Ea	$156.40
374	Farmstead Energy Improvement	Heating - Radiant Quad	Ea	$96.48
374	Farmstead Energy Improvement	Automated Attic Inlets, Heat Recovery vents	Ea	$15.71
374	Farmstead Energy Improvement	Motor Upgrade less than or = 1 HP	Ea	$52.55
374	Farmstead Energy Improvement	Plate Cooler	Ea	$523.64
380	Windbreak/Shelterbelt Establishment	2-row windbreak, shrubs, machine planted	ft	$0.05
381	Silvopasture Establishment	Establish hardwood trees in an existing pasture with adequate forage	ac	$45.28
381	Silvopasture Establishment	Commercial thinning, establish native grasses	ac	$47.87
381	Silvopasture Establishment	Establish hardwood trees and native grasses in an open field	ac	$98.92
382	Fence	Exclusion, barbed wire	ft	$0.26
382	Fence	Interior, mountain site	ft	$0.24
382	Fence	Polywire, no charger	ft	$0.02
382	Fence	Exclusion, electric	ft	$0.25
382	Fence	Exclusion, electric, mountain site	ft	$0.31
382	Fence	Woven wire	ft	$0.32
382	Fence	Polywire, with charger	ft	$0.05
382	Fence	Safety	ft	$0.66
382	Fence	Interior	ft	$0.20
382	Fence	Confinement	ft	$0.56
384	Woody Residue Treatment	Chipper/Shredder On-Off site	ac	$10.86
386	Field Border	Field Border, Pollinator	ac	$100.71
386	Field Border	Field Border, Pollinator, Forgone Income	ac	$135.82
386	Field Border	Field Border, Native Species	ac	$12.35
386	Field Border	Field Border, Introduced Species	ac	$8.64
390	Riparian Herbaceous Cover	Warm Season Grass with Forbs	ac	$34.25

Code	Practice	Component	Units	Unit Cost
390	Riparian Herbaceous Cover	Cool Season Grasses with Forbs	ac	$27.59
390	Riparian Herbaceous Cover	Pollinator Habitat	ac	$63.79
391	Riparian Forest Buffer	Bare-root, hand planted, conifers, hardwoods, shrubs	ac	$85.20
391	Riparian Forest Buffer	Bare Root Hardwoods with tubes, 150 trees per acre	ac	$116.54
393	Filter Strip	Filter Strip, Native species	ac	$16.62
393	Filter Strip	Filter Strip, Introduced species	ac	$17.44
393	Filter Strip	Filter Strip, Native species, Forgone Income	ac	$54.01
393	Filter Strip	Filter Strip, Introduced species, Forgone Income	ac	$52.55
394	Firebreak	FireBreak-Disked	ft	$0.01
394	Firebreak	Vegetated Firebreak	ft	$0.01
394	Firebreak	FireBreak-Dozer-Fire Plow	ft	$0.03
394	Firebreak	Constructed - Medium equipment, steep slopes (>= 15% slopes)	ft	$0.14
396	Aquatic Organism Passage	Step Pool Weir	CuYd	$11.18
396	Aquatic Organism Passage	Blockage Removal	CuYd	$11.17
396	Aquatic Organism Passage	CMP Culvert	ft	$74.74
396	Aquatic Organism Passage	Concrete Box Culvert	ft	$192.27
396	Aquatic Organism Passage	Concrete Ladder	ft	$1,252.01
396	Aquatic Organism Passage	Low Water Crossing	CuYd	$24.51
396	Aquatic Organism Passage	Concrete Dam Removal	CuYd	$46.25
410	Grade Stabilization Structure	Embankment, Soil Treatment	CuYd	$0.93
410	Grade Stabilization Structure	Embankment, Pipe <= 6 inches	CuYd	$0.51
410	Grade Stabilization Structure	Pipe Drop, Steel	sq ft	$1.44
410	Grade Stabilization Structure	Embankment, Pipe >12 inches	CuYd	$0.76
410	Grade Stabilization Structure	Check Dams	ton	$5.73
410	Grade Stabilization Structure	Pipe Drop, Plastic	sq ft	$2.50
410	Grade Stabilization Structure	Embankment, Pipe 8-12 inches	CuYd	$0.60
410	Grade Stabilization Structure	Weir Drop Structures	sq ft	$8.65
410	Grade Stabilization Structure	Rock Drop Structures	sq ft	$13.69
410	Grade Stabilization Structure	Chute Structure	ton	$5.53
410	Grade Stabilization Structure	Pipe Inlet	ft	$4.19
410	Grade Stabilization Structure	Panel Rock Drop Structures	sq ft	$7.32

Code	Practice	Component	Units	Unit Cost
412	Grassed Waterway	GWW > 1,000ft long	ac	$178.43
412	Grassed Waterway	GWW < 1000ft long	sq ft	$0.01
412	Grassed Waterway	GWW with geotextile or stone checks	ac	$268.59
422	Hedgerow	Wildlife, NWSGs and trees, hand plant trees, machine plant grass	sq ft	$0.00
430	Irrigation Pipeline	Buried Pipe Greater Than 2 Inch Diameter and Less Than 6 Inch Diameter	ft	$0.53
430	Irrigation Pipeline	Buried Pipe Greater Than or Equal to 6 Inch Diameter	ft	$0.82
430	Irrigation Pipeline	Surface HDPE	ft	$0.13
430	Irrigation Pipeline	Buried Pipe Less Than or Equal to 2 Inch Diameter	ft	$0.27
441	Irrigation System, Microirrigation	SDI (Subsurface Drip Irrigation)	ac	$200.77
441	Irrigation System, Microirrigation	Surface Tape 1.1 - 6 acres	ac	$186.17
441	Irrigation System, Microirrigation	Microjet	ac	$305.90
441	Irrigation System, Microirrigation	Hoop House Surface Microirrigation	sq ft	$0.04
441	Irrigation System, Microirrigation	Surface Tape < or = 1 acre	ac	$216.91
441	Irrigation System, Microirrigation	Surface PE with emitters	ac	$246.30
441	Irrigation System, Microirrigation	Surface Tape > 6 acres	ac	$116.15
442	Sprinkler System	Traveling Gun System, < 2 inch Hose	Ea	$1,225.73
442	Sprinkler System	Traveling Gun System, 2 to 3 inch Hose	Ea	$2,403.70
442	Sprinkler System	Renovation of Existing Sprinkler System	ft	$0.85
442	Sprinkler System	Pod System	Ea	$26.41
442	Sprinkler System	Traveling Gun System, > 3 inch Hose	Ea	$4,755.89
443	Irrigation System, Surface and Subsurface	Surge Valve & Controller	Ea	$227.76
449	Irrigation Water Management	Basic IWM > 30 acres	ac	$0.97
449	Irrigation Water Management	Intermediate IWM > 30 acres	ac	$1.62
449	Irrigation Water Management	Intermediate IWM <= 30 acres	ac	$4.29
449	Irrigation Water Management	Soil Moisture Sensors with Data Recorder	Ea	$135.55
449	Irrigation Water Management	Advanced- Soil Moisture Sensors	Ea	$68.83
449	Irrigation Water Management	Basic IWM <= 30 acres	ac	$2.12
472	Access Control	Animal exclusion from riparian zone	ac	$2.73
472	Access Control	Animal exclusion from other sensitive areas such as wetlands and sinkholes	ac	$1.80
472	Access Control	Animal exclusion from woodland areas	ac	$0.31
484	Mulching	Natural Material - Full Coverage	ac	$54.36

Code	Practice	Component	Units	Unit Cost
484	Mulching	Erosion Control Blanket	sq ft	$0.02
484	Mulching	Synthetic Material	sq ft	$0.03
490	Tree/Shrub Site Preparation	Aerial Applied Herbicide, Forestland	ac	$9.88
490	Tree/Shrub Site Preparation	Mow and Spray, NonForest	ac	$8.99
511	Forage Harvest Management	Improved Forage Quality	ac	$0.26
512	Forage and Biomass Planting	Cool season grass and legume forage	ac	$24.73
512	Forage and Biomass Planting	Frost-Seeding Legumes-No Fertilizer	ac	$6.36
512	Forage and Biomass Planting	Native warm season grass mix	ac	$39.01
528	Prescribed Grazing	Pasture Intensive (5 or more paddocks)	ac	$2.61
528	Prescribed Grazing	Targeted Grazing	ac	$3.28
528	Prescribed Grazing	Pasture Standard (3-4 paddocks)	ac	$1.54
528	Prescribed Grazing	Stockpiling Forage for Extended Grazing	ac	$4.03
533	Pumping Plant	Pump >5 and <= 10 HP	BHP	$73.08
533	Pumping Plant	Water Ram	Ea	$157.92
533	Pumping Plant	Pump <= 1.5 HP	Ea	$259.21
533	Pumping Plant	Photovoltaic <= 0.5 HP Pump	Ea	$460.28
533	Pumping Plant	Pump >1.5 HP and <= 5 HP	BHP	$126.79
533	Pumping Plant	Pump >10 and <= 20 HP	BHP	$68.77
533	Pumping Plant	Pump >20 HP	BHP	$32.22
533	Pumping Plant	Variable Frequency Drive	BHP	$24.99
533	Pumping Plant	Tractor Power Take Off (PTO) Pump	Ea	$1,095.97
533	Pumping Plant	Electric Sump Pump <= 5 Hp	BHP	$67.90
533	Pumping Plant	Livestock Nose Pump	Ea	$70.98
554	Drainage Water Management	Drainage Water Management (DWM)	Ea	$8.50
558	Roof Runoff Structure	Drip pad	ft	$0.35
558	Roof Runoff Structure	Gutters, downspouts and fascia boards	ft	$0.85
558	Roof Runoff Structure	Gutters and downspouts	ft	$0.54
558	Roof Runoff Structure	Gutters, downspouts and storage tank	ft	$1.78
558	Roof Runoff Structure	Roof runoff storage tank	gal	$0.16
558	Roof Runoff Structure	Trench Drain	ft	$1.25
558	Roof Runoff Structure	Concrete Curb	ft	$1.24

Code	Practice	Component	Units	Unit Cost
561	Heavy Use Area Protection	Concrete Slab, not rebar reinforced	sq ft	$0.43
561	Heavy Use Area Protection	Reinforced Concrete, no curb	sq ft	$0.58
561	Heavy Use Area Protection	Rock/Gravel on Geotextile	sq ft	$0.15
561	Heavy Use Area Protection	Concrete Slab with curb (reinforced)	sq ft	$0.64
561	Heavy Use Area Protection	Concrete(reinforced) Curb on existing slab	ft	$1.42
561	Heavy Use Area Protection	Reinforced concrete slab on a hillside site	sq ft	$0.84
570	Stormwater Runoff Control	Silt Fence	ft	$0.27
570	Stormwater Runoff Control	Combination, Most common Best Management Practices	ac	$73.10
576	Livestock Shelter Structure	Portable Shade Structure	sq ft	$0.40
578	Stream Crossing	Low water crossing using prefabricated products	sq ft	$0.83
578	Stream Crossing	Hard armored low water crossing	sq ft	$0.79
578	Stream Crossing	Culvert installation	DiaInFt	$0.41
580	Streambank and Shoreline Protection	Structural-Riprap, Block, Gabions	ton	$5.08
580	Streambank and Shoreline Protection	Bioengineered	sq ft	$0.22
580	Streambank and Shoreline Protection	Vegetative	sq ft	$0.08
580	Streambank and Shoreline Protection	Wood Structure	LnFt	$15.62
580	Streambank and Shoreline Protection	Structural-J Hook, Cross Vane	ton	$6.34
587	Structure for Water Control	Slide Gate	ft	$202.32
587	Structure for Water Control	In-Stream Structure for Water Surface Profile - Rock	ton	$5.20
587	Structure for Water Control	Flashboard Riser w/ Single Headwall	DiaInFt	$0.97
587	Structure for Water Control	Flashboard Riser w/ Double Headwall	DiaInFt	$1.29
587	Structure for Water Control	Inline Flashboard Riser, Metal	DiaInFt	$0.36
587	Structure for Water Control	Commercial Inline Flashboard Riser	DiaInFt	$0.53
587	Structure for Water Control	Culvert <30 inches CMP	DiaInFt	$0.23
587	Structure for Water Control	Rock Checks for Water Surface Profile	ton	$5.81
587	Structure for Water Control	Flow Meter with Mechanical Index	In	$20.43
587	Structure for Water Control	Flow Meter with Electronic Index	In	$38.88
587	Structure for Water Control	Flow Meter with Electronic Index & Telemetry	In	$54.02
587	Structure for Water Control	Water Bar	Ea	$63.01
587	Structure for Water Control	Flap Gate	ft	$118.98
587	Structure for Water Control	Inlet Flashboard Riser, Metal	DiaInFt	$0.69

Code	Practice	Component	Units	Unit Cost
587	Structure for Water Control	Culvert <30 inches HDPE	DiaInFt	$0.21
590	Nutrient Management	Adaptive NM	Ea	$266.31
590	Nutrient Management	Basic Precision NM (Non-Organic/Organic)	ac	$5.03
590	Nutrient Management	Basic NM with Manure and/or Compost (Non-Organic/Organic)	ac	$1.82
590	Nutrient Management	Small Farm NM (Non-Organic/Organic)	Ea	$28.43
590	Nutrient Management	Basic NM (Non-Organic/Organic)	ac	$0.84
595	Integrated Pest Management	Advanced IPM Fruit/Veg All RCs	ac	$18.65
595	Integrated Pest Management	IPM S-Farm >1RC	Ea	$74.60
595	Integrated Pest Management	Basic IPM Orchard 1RC	ac	$12.25
595	Integrated Pest Management	Basic IPM Fruit/Veg >1RC	ac	$12.25
595	Integrated Pest Management	Basic IPM Field 1RC	ac	$1.73
595	Integrated Pest Management	Basic IPM Field >1RC	ac	$2.33
595	Integrated Pest Management	Basic IPM Fruit/Veg 1RC	ac	$9.59
595	Integrated Pest Management	Advanced IPM Orchard All RCs	ac	$28.00
595	Integrated Pest Management	Risk Prevention IPM All RCs	ac	$14.67
595	Integrated Pest Management	Advanced Field All RCs	ac	$3.46
595	Integrated Pest Management	Advanced IPM S-Farm All RCs	Ea	$111.90
595	Integrated Pest Management	Basic IPM Orchard >1RC	ac	$18.65
595	Integrated Pest Management	IPM S-Farm 1RC	Ea	$58.58
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Twin-Wall, > 6 Inches	ft	$1.37
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Single-Wall, <= 6 Inches	ft	$0.35
606	Subsurface Drain	Enveloped Corrugated Plastic Pipe (CPP), Single-Wall, <= 6 Inches	ft	$0.50
606	Subsurface Drain	Corrugated Plastic Pipe (CPP), Single-Wall, > 6 Inches	ft	$0.59
612	Tree/Shrub Establishment	Plug Conifers, hand plant	ac	$15.00
612	Tree/Shrub Establishment	Bare root conifers, hand plant	ac	$8.05
612	Tree/Shrub Establishment	Bare Root Hardwood with Tubes, 150	ac	$70.86
612	Tree/Shrub Establishment	BRHdwds, machine plant, dense, no tube	ac	$38.58
614	Watering Facility	Tank, greater than 1500 gallons	Ea	$234.17
614	Watering Facility	Converted heavy equipment tire trough	Ea	$175.08
614	Watering Facility	Underground storage reservoir	Ea	$308.33
614	Watering Facility	Water Ramp, Rock Riprap and gravel on Geotextile	sq ft	$0.71

Code	Practice	Component	Units	Unit Cost
614	Watering Facility	Portable Trough, less than 100 gallons	Ea	$12.27
614	Watering Facility	Tank, 1000 to 1500 gallons	gal	$0.11
614	Watering Facility	Tank, 500 to 1000 gallons	gal	$0.38
614	Watering Facility	Tank, 100 to 500 gallons	gal	$0.39
614	Watering Facility	4-hole freeze-proof watering trough	Ea	$187.39
614	Watering Facility	2-hole freeze-proof watering trough	Ea	$147.09
614	Watering Facility	Water Ramp, Rock on Geotextile	sq ft	$0.18
643	Restoration and Management of Rare and Declining Habitats	Habitat Monitoring, Native Forest Ecosystem	ac	$1.86
644	Wetland Wildlife Habitat Management	Development of Deep Micro-Topographic Features with Heavy Equipment.	ac	$10.96
644	Wetland Wildlife Habitat Management	Development of Shallow Micro-Topographic Features with Normal Farming Equipment.	ac	$4.04
644	Wetland Wildlife Habitat Management	Habitat Monitoring and Management, High Intensity and Complexity	ac	$3.09
645	Upland Wildlife Habitat Management	Development of Shallow Micro-Topographic Features with Normal Farming Equipment.	ac	$2.30
646	Shallow Water Development and Management	Shallow Water Management	ac	$8.56
647	Early Successional Habitat Development/Management	Habitat Disking	ac	$10.26
647	Early Successional Habitat Development/Management	Early Successional Habitat Forest Opening (Clearcut)	ac	$83.03
647	Early Successional Habitat Development/Management	Edge Feathering (Cutback Borders)	ac	$47.33
647	Early Successional Habitat Development/Management	Habitat Selective Herbicide	ac	$4.40
647	Early Successional Habitat Development/Management	Habitat Non-Selective Herbicide	ac	$2.50
654	Road/Trail/Landing Closure and Treatment	Road/Trail Abandonment/Rehabilitation (Light)	ft	$0.27
655	Forest Trails and Landings	Trail Layout	ft	$0.02
655	Forest Trails and Landings	Trail and Landing Installation	ft	$0.12
655	Forest Trails and Landings	Trail Erosion Control w/o Vegetation, Slopes < 35%	ft	$0.33
655	Forest Trails and Landings	Trail Erosion Control w/o Vegetation, Slopes >35%	ft	$1.29
655	Forest Trails and Landings	Grading and Shaping with Vegetative Establishment	ft	$0.25
655	Forest Trails and Landings	Temporary Stream Crossing	Ea	$98.04
666	Forest Stand Improvement	Timber Stand Improvement - Single Stem Treatment	ac	$28.89
666	Forest Stand Improvement	Timber Stand Improvement - Chemical, Hand treatment, no specialist required	ac	$12.71
666	Forest Stand Improvement	Use of Consulting Forester to Oversee Commercial Timber Harvest to Create/Improve Cerulean Warbler/GWWA Habitat/Stand Structure	ac	$18.43
666	Forest Stand Improvement	Forest Thinning for Wildlife and Health	ac	$32.93

Code	Practice	Component	Units	Unit Cost
666	Forest Stand Improvement	Timber Stand Improvement - Chemical, Aerial	ac	$7.96
B000BFF1	Buffer Bundle#1	Buffer Bundle#1	ac	$925.19
B000BFF2	Buffer Bundle#2	Buffer Bundle#2	ac	$925.19
B000CPL1	Crop Bundle#1 - Precision Ag, No till	Crop Bundle#1 - Precision Ag, No till	ac	$42.47
B000CPL2	Crop Bundle#2 - Precision Ag, Reduced till	Crop Bundle#2 - Precision Ag, RT	ac	$42.47
B000CPL3	Crop Bundle#3 - Soil health rotation, No till	Crop Bundle#3 - Soil health rotation, NT	ac	$47.27
B000CPL4	Crop Bundle#4 - Soil health rotation, Reduced till	Crop Bundle#4 - SH rotation, RT	ac	$47.27
B000CPL5	Crop Bundle#5 - Soil Health Assessment, No till	Crop Bundle#5 - SH Assessment, NT	ac	$52.70
B000CPL6	Crop Bundle#6 - Soil Health Assessment, Reduced till	Crop Bundle#6 - SH Assessment, RT	ac	$52.70
B000CPL7	Crop Bundle#7 - Soil Health -'Organic'	Crop Bundle#7 - Soil Health -"Organic"	ac	$46.05
B000CPL8	Crop Bundle#8 - 'Organic', Water erosion	Crop Bundle#8 - "Organic", Water erosion	ac	$38.08
B000FST1	Forest Bundle#1	Forest Bundle#1	ac	$88.83
B000MRB1	MRBI Bundle#1 - Irrigated Cropland	MRBI Bundle#1 - Irrigated Cropland	ac	$69.15
B000MRB2	MRBI Bundle#2 - Non-Irrigated Crop#1	MRBI Bundle#2 - Non-Irrigated Crop#1	ac	$10.27
B000MRB3	MRBI Bundle#3 - Non-Irrigated Crop#2	MRBI Bundle#3 - Non-Irrigated Crop#2	ac	$15.15
B000MRB4	MRBI Bundle#4 - Crop w/ Water Bodies, NT	MRBI Bundle#4 - Crop w/ Water Bodies, NT	ac	$33.29
B000MRB5	MRBI Bundle#5 - Crop w/ Water Bodies, RT	MRBI Bundle#5 - Crop w/ Water Bodies, RT	ac	$29.63
B000MRB6	MRBI Bundle#6 - Pastureland	MRBI Bundle#6 - Pastureland	ac	$50.12
B000PST1	Pasture Bundle#1 - Organic	Pasture Bundle#1 - Organic	ac	$100.05
B000PST2	Pasture Bundle#2	Pasture Bundle#2	ac	$18.40
B000PST3	Pasture Bundle#3 -- Soil Health	Pasture Bundle#3 -- Soil Health	ac	$30.94
B000PST4	Pasture Bundle#4 - Monarch butterfly	Pasture Bundle#4 - Monarch butterfly	ac	$53.07
E314133Z	Brush management for improved structure and composition	Brush mgmt, improved structure and comp	ac	$14.35
E314134Z	Brush management that maintains or enhances wildlife or fish habitat	Brush mgmt, enhance habitat	ac	$14.35
E315132Z	Herbaceous weed control for desired plant communities/habitats consistent with the ecological site	Herbaceous weed control-habitats	ac	$13.05
E315133Z	Herbaceous weed control (inadequate structure and comp) for desired plant communities/habitats	Herbaceous weed control-communities	ac	$13.05
E315134Z	Herbaceous weed control (plant pest pressures) for desired plant communities/habitats	Herbaceous weed control-pest pressures	ac	$13.05
E327136Z1	Conservation cover to provide food habitat for pollinators and beneficial insects	Conservation cover-pollinator food	ac	$305.90

Code	Practice	Component	Units	Unit Cost
E327136Z2	Establish Monarch butterfly habitat	Establish monarch butterfly habitat	ac	$2,354.87
E327137Z	Conservation cover to provide cover and shelter habitat for pollinators and beneficial insects	Conservation cover-pollinator shelter	ac	$305.90
E327139Z	Conservation cover to provide habitat continuity for pollinators and beneficial insects	Conservation cover-habitat continuity	ac	$305.90
E328101I	Improved resource conserving crop rotation to reduce water erosion	IRCCR water erosion	ac	$5.32
E328101R	Resource conserving crop rotation to reduce water erosion	RCCR water erosion	ac	$14.90
E328101Z	Conservation crop rotation on recently converted CRP grass/legume cover for water erosion	CRP trans crop rotation-water erosion	ac	$3.19
E328106I	Improved resource conserving crop rotation for soil organic matter improvement	IRCCR for SOM improvement	ac	$5.32
E328106R	Resource conserving crop rotation for soil organic matter improvement	RCCR for SOM improvement	ac	$14.90
E328106Z1	Soil health crop rotation	Soil health crop rotation	ac	$5.32
E328106Z2	Modifications to improve soil health and increase soil organic matter	Mod to improve SH and SOM	ac	$10.04
E328106Z3	Conservation crop rotation on recently converted CRP grass/legume cover for SOM improvement	CRP trans crop rotation-SOM	ac	$5.32
E328107I	Improved resource conserving crop rotation to improve soil compaction	IRCCR to improve soil compaction	ac	$5.32
E328107R	Resource conserving crop rotation to improve soil compaction	RCCR to improve soil compaction	ac	$14.90
E328134I	Improved resource conserving crop rotation to relieve plant pest pressure	IRCCR to relieve plant pest pressure	ac	$5.32
E328134R	Resource conserving crop rotation to relieve plant pest pressure	RCCR to relieve plant pest pressure	ac	$14.90
E328136Z	Leave standing grain crops unharvested to benefit wildlife food sources	Leave standing grain crops for food	ac	$4.50
E328137Z	Leave standing grain crops unharvested to benefit wildlife cover and shelter	Leave standing grain crops for shelter	ac	$4.50
E329101Z	No till to reduce water erosion	No till to reduce water erosion	ac	$3.19
E329106Z	No till system to increase soil health and soil organic matter content	No till system to increase SH and SOM	ac	$4.26
E329114Z	No till to increase plant-available moisture: irrigation water	No till for IWM	ac	$3.19
E329115Z	No till to increase plant-available moisture: moisture management	No till for moisture mgmt	ac	$3.19
E329128Z	No till to reduce tillage induced particulate matter	No till to reduce PM	ac	$3.19
E329144Z	No till to reduce energy	No till to reduce energy	ac	$4.26
E338136Z	Short-interval burns to promote a healthy herbaceous plant community for wildlife food	Short-interval burns to promote a healthy herbaceous plant community for wildlife food	ac	$88.23
E338137Z1	Sequential patch burning	Sequential patch burning	ac	$150.56
E338137Z2	Short-interval burn	Short-interval burn	ac	$41.01

Code	Practice	Component	Units	Unit Cost
E338140Z	Short-interval prescribed burning to promote a healthy herbaceous plant community	Short-interval prescribed burning	ac	$85.57
E340101Z	Cover crop to reduce water erosion	Cover crop to reduce water erosion	ac	$7.85
E340106Z1	Intensive cover cropping to increase soil health and soil organic matter content	Cover cropping for SH and SOM	ac	$12.57
E340106Z2	Use of multi-species cover crops to improve soil health and increase soil organic matter	Multi-species cover crops	ac	$12.13
E340106Z3	Intensive cover cropping (orchard/vineyard floor) to increase soil health and SOM content	Cover cropping for orchards/vineyards	ac	$10.98
E340106Z4	Use of SHA to assist with development of cover crop mix to improve soil health and increase SOM	Soil health assessment	ac	$14.66
E340107Z	Cover crop to minimize soil compaction	Cover crop to minimize soil compaction	ac	$10.71
E340118Z	Cover crop to reduce water quality degradation by utilizing excess soil nutrients-surface water	Cover crop for WQ nutrients-runoff	ac	$10.71
E340119Z	Cover crop to reduce water quality degradation by utilizing excess soil nutrients-ground water	Cover crops for WQ nutrients-drainage	ac	$10.71
E340134Z	Cover crop to suppress excessive weed pressures and break pest cycles	Cover crops for suppression	ac	$10.98
E345101Z	Reduced tillage to reduce water erosion	Reduced tillage to reduce water erosion	ac	$4.26
E345106Z	Reduced tillage to increase soil health and soil organic matter content	Reduced tillage for SH and SOM	ac	$4.26
E345114Z	Reduced tillage to increase plant-available moisture: irrigation water	Reduced tillage for IWM	ac	$3.19
E345115Z	Reduced tillage to increase plant-available moisture: moisture management	Reduced tillage for moisture mgmt	ac	$3.19
E345128Z	Reduced tillage to reduce tillage induced particulate matter	Reduced tillage to reduce PM	ac	$3.19
E345144Z	Reduced tillage to reduce energy use	Reduced tillage to reduce energy use	ac	$3.19
E374144Z1	Install variable frequency drive(s) on pump(s)	Variable frequency drives	BHP	$247.72
E374144Z2	Switch fuel source for pump motor(s)	Switch fuel source for pump motor(s)	HP	$7,900.74
E381133Z	Silvopasture for wildlife habitat (structure and composition)	Silvopasture-structure and comp	ac	$85.62
E381137Z	Silvopasture for wildlife habitat (cover and shelter)	Silvopasture for wildlife habitat-food	ac	$89.19
E382136Z	Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources	Wildlife friendly fence for food access	ft	$0.15
E386101Z	Enhanced field borders to reduce water induced erosion along the edge(s) of a field	Field borders to reduce water erosion	ac	$666.71
E386106Z	Enhanced field borders to increase carbon storage along the edge(s) of the field	Field borders to increase carbon storage	ac	$666.71

Code	Practice	Component	Units	Unit Cost
E386128Z	Enhanced field borders to decrease particulate emissions along the edge(s) of the field	Field borders to decrease particulates	ac	$666.71
E386136Z	Enhanced field border to provide wildlife food for pollinators along the edge(s) of a field	Field border to provide wildlife food	ac	$666.71
E386137Z	Enhanced field border to provide wildlife cover or shelter along the edge(s) of a field	Field border to provide wildlife cover	ac	$666.71
E386139Z	Enhanced field border to provide wildlife habitat continuity along the edge(s) of a field	Field border to provide continuity	ac	$666.71
E390118Z	Increase riparian herbaceous cover width for nutrient reduction	Riparian herbaceous cover-nut reduction	ac	$527.89
E390126Z	Increase riparian herbaceous cover width to reduce sediment loading	Riparian herbaceous cover-sed loading	ac	$527.89
E390136Z	Increase riparian herbaceous cover width to enhance wildlife habitat	Riparian herbaceous cover-habitat	ac	$742.24
E391118Z	Increase riparian forest buffer width for nutrient reduction	Riparian forest buffer-nut reduction	ac	$1,565.72
E391126Z	Increase riparian forest buffer width to reduce sediment loading	Riparian forest buffer-sed loading	ac	$1,586.36
E391127Z	Increase stream shading for stream temperature reduction	Shade stream to reduce temp	ac	$1,586.36
E391136Z	Increase riparian forest buffer width to enhance wildlife habitat	Riparian forest buffer-habitat	ac	$1,586.36
E393118Z	Extend existing filter strip to reduce excess nutrients in surface water	Extend filter strips- nut runoff	ac	$879.52
E393122Z	Extend existing filter strip to reduce excess pathogens and chemicals in surface water	Extend filter strips-pathogen runoff	ac	$879.52
E393126Z	Extend existing filter strip to reduce excess sediment in surface water	Extend filter strips-sediment	ac	$879.52
E395137X	Stream habitat improvement through placement of woody biomass	Stream habitat improvement with wood	ac	$20,784.02
E399137X	Fishpond management for native aquatic and terrestrial species	Fishpond mgmt	ac	$1,742.26
E449114Z5	Complete pumping plant evaluation for all existing pumps on a farm.	Pumping Plant Evaluation	ac	$5.77
E449114Z6	Automated Intermittent flood irrigation of rice fields, Year 2-5	Automated Intermittent flood irrigation of rice fields, Year 2-5	ac	$26.39
E449114Z7	Advanced Automated IWM - Year 2-5, Soil moisture is monitored, recorded and used in decision making	Advanced Automated IWM - Year 2-5, soil moisture monitoring	ac	$15.96
E449114Z8	Advanced Automated IWM - Year 1 - Equipment and soil moisture is monitored, recorded and used in dec	Advanced Automated IWM - Year 1 Equipment and soil moisture monitoring	ac	$56.03
E449144Z	Complete pumping plant evaluation for all pumps on a farm.	Pumping plant evaluation	ac	$5.65
E472118Z	Manage livestock access to streams/ditches/other waterbodies to reduce nutrients in surface water	Livestock access to waterbody-nutrients	ft	$2.23
E472122Z	Manage livestock access to streams/ditches/other waterbodies to reduce pathogens in surface water	Livestock access to waterbody-pathogens	ft	$2.23
E484106Z	Mulching to improve soil health	Mulching to improve soil health	ac	$2.13

Code	Practice	Component	Units	Unit Cost
E511137Z1	Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape	Harvest using wildlife friendly methods	ac	$3.35
E511137Z2	Forage harvest management that helps maintain or improve wildlife habitat (cover and shelter)	FHM for cover and shelter	ac	$4.62
E511139Z2	Forage harvest management that helps maintain wildlife habitat continuity (space)	FHM for habitat space continuity	ac	$3.35
E512101Z1	Cropland conversion to grass-based agriculture to reduce water erosion	Convert crop to grass for water erosion	ac	$4.90
E512101Z2	Forage and biomass planting for water erosion to improve soil health	Forage planting for SH	ac	$14.45
E512106Z1	Cropland conversion to grass-based agriculture for soil organic matter improvement	Convert crop to grass for SOM	ac	$14.25
E512106Z2	Forage plantings that can help increase organic matter in depleted soils	Forage planting for SOM	ac	$14.58
E512132Z1	Forage and biomass planting that produces feedstock for biofuels or energy production	Forage planting for feedstocks	ac	$36.35
E512132Z2	Native grasses or legumes in forage base to improve plant productivity and health	Native grasses/legumes-plant health	ac	$21.53
E512133Z1	Native grasses or legumes in forage base to improve plant community structure and composition	Native grasses/legumes-structure/comp	ac	$55.43
E512133Z2	Forage plantings that enhance bird habitat (structure and composition)	Forage planting for structure/comp	ac	$74.28
E512136Z1	Establish pollinator and/or beneficial insect food habitat	Establish pollinator habitat-food	ac	$57.70
E512136Z2	Native grass or legumes in forage base to provide wildlife food	Native grasses/legumes-wildlife food	ac	$57.70
E512137Z	Forage plantings that enhance bird habitat (cover and shelter)	Forage planting for cover and shelter	ac	$74.28
E512138Z	Establish wildlife corridors to enhance access to water	Corridors for water access	ac	$26.32
E512139Z1	Establish wildlife corridors to provide habitat continuity	Corridors for habitat continuity	ac	$25.16
E512139Z2	Establish pollinator and/or beneficial insect habitat continuity (space)	Establish pollinator habitat-space	ac	$58.76
E512139Z3	Establish Monarch butterfly habitat in pastures	Establish Monarch Butterfly Habitat in pastures	ac	$58.76
E512140Z	Native grasses or legumes in forage base	Native grasses or legumes in forage base	ac	$54.07
E528102Z	Improved grazing management for wind erosion through monitoring activities	Grazing mgmt for wind erosion	ac	$1.93
E528104Z	Grazing management that protects sensitive areas from gully erosion	Grazing mgmt-sensitive areas-erosion	ac	$1.56
E528105Z	Prescribed grazing that improves or maintains riparian and watershed function-erosion	Prescribed grazing-erosion	ac	$8.91
E528107Z1	Improved grazing management for soil compaction through monitoring activities	Grazing mgmt to improve compaction	ac	$7.54
E528118Z1	Prescribed grazing that maintains/improves riparian/watershed function impairment from nutrients	Prescribed grazing-nut runoff	ac	$14.72

Code	Practice	Component	Units	Unit Cost
E528119Z	Grazing management that protects sensitive areas-ground water from nutrients	Grazing mgmt-sensitive area-nut sub water	ac	$1.71
E528122Z	Prescribed grazing that maintains/improves riparian/watershed function-pathogens/chemicals	Prescribed grazing-pathogens	ac	$14.72
E528126Z	Prescribed grazing that maintains/improves riparian/watershed function-min sediment in surface water	Prescribed grazing-sediment	ac	$13.03
E528132Z1	Improved grazing mgmt for plant productivity/health through monitoring	Grazing mgmt-plant health	ac	$9.44
E528132Z2	Stockpiling cool season forage to improve plant productivity and health	Stockpile cool season forage-plant prod	ac	$21.95
E528133Z1	Stockpiling cool season forage to improve structure and composition.	Stockpile cool season forage-structure	ac	$21.95
E528133Z2	Grazing management for improving quantity/quality of plant structure/composition for wildlife	Grazing mgmt-structure for wildlife	ac	$2.92
E528136Z1	Grazing management for improving quantity and quality of food for wildlife	Grazing mgmt-food	ac	$0.45
E528137Z1	Grazing management for improving quantity and quality of cover and shelter for wildlife	Grazing mgmt-shelter	ac	$0.45
E528137Z2	Incorporating wildlife refuge areas in contingency plans for prescribed grazing-cover/shelter	Add wildlife refuge area-shelter	ac	$15.57
E528138Z	Incorporating wildlife refuge areas in contingency plans for prescribed grazing-water access	Add wildlife refuge area-water	ac	$15.57
E528140Z1	Maintaining quantity and quality of forage for animal health and productivity	Maintain forage quantity and quality	ac	$3.69
E554118Z2	Installation of a saturated buffer drain outlet	Installation of a vegetated outlet	ac	$3,536.42
E554138X	Extend the periods of soil saturation or shallow ponding for wildlife	Extend saturation/ponding period	ac	$7.94
E578139X	Stream crossing elimination	Stream crossing elimination	Ea	$7,512.80
E580105Z	Stream corridor bank stability improvement	Stream bank stability improvement	ac	$1,810.35
E580137Z	Stream corridor bank vegetation improvement	Stream corridor bank veg improvement	ac	$1,810.35
E590118X	Reduce risks of nutrient losses to surface water by utilizing precision ag technologies	Precision ag for nut reduction	ac	$16.43
E590118Z	Improving nutrient uptake efficiency and reducing risk of nutrient losses to surface water	Nut mgmt for surface water	ac	$10.96
E590119X	Reduce risks of nutrient losses to ground water by utilizing precision agriculture technologies to p	Prec Ag reduce nut in groundwater	ac	$16.43
E590119Z	Improving nutrient uptake efficiency and reducing risk of nutrient losses to groundwater	Nut mgmt for groundwater	ac	$10.96
E590130Z	Improving nutrient uptake efficiency and reducing risks to air quality - emissions of GHGs	Nut mgmt for GHGs	ac	$10.96

Code	Practice	Component	Units	Unit Cost
E595116X	Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques	Pest mgmt for surface water	ac	$13.10
E595116Z	Reduce risk of pesticides in surface water by utilizing IPM PAMS techniques	IPM PAMS techniques	ac	$5.88
E595116Z2	Reducing routine neonicotinoid seed treatments on corn and soybean crops.	Reducing routine seed treatments	ac	$5.32
E595129Z	Reduce ozone precursor emissions related to pesticides by utilizing IPM PAMS techniques	IPM PAMS techniques for ozone reduction	ac	$5.88
E612126Z	Cropland conversion to trees or shrubs for long term improvement of water quality	Convert crop to trees-WQ	ac	$751.66
E612130Z	Planting for high carbon sequestration rate	Planting for high carbon sequestration	ac	$711.14
E612132Z	Establishing tree/shrub species to restore native plant communities	Tree/shrubs-restore native communities	ac	$628.45
E612133X1	Adding food-producing trees and shrubs to existing plantings	Adding food-producing trees and shrubs	ac	$151.25
E612133X2	Cultural plantings	Cultural plantings	ac	$1,169.32
E612136Z	Tree/shrub planting for wildlife food	Tree/shrub planting for wildlife food	ac	$1,189.91
E612137Z	Tree/shrub planting for wildlife cover	Tree/shrub planting for wildlife cover	ac	$1,189.91
E643132X	Restoration of sensitive coastal vegetative communities	Restore sensitive coastal veg community	Ea	$122.22
E643139X	Creating native plant refugia	Creating native plant refugia	ft	$7.72
E644136Z	Managing Flood-Irrigated Landscapes for Wildlife	Manage flood irrigated landscape for wildlife food	ac	$23.67
E645137Z	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	Reduce human-subsidized predators	ac	$81.64
E646136Z1	Close structures to capture/retain rainfall to improve food for waterfowl/wading birds during winter	Close structures to improve food	ac	$26.28
E646136Z3	Shorebird habitat, late season shallow water with manipulation to improve food sources	Late season shallow water - food	ac	$51.93
E646136Z4	Shorebird habitat, extended late season shallow water with manipulation to improve food sources	Extended late season shallow water-food	ac	$57.63
E646137X	Renovate small, shallow pothole and playa sites which may seasonally hold water	Shallow water development and management	ac	$1,612.11
E646137Z1	Close structures to capture and retain rainfall to improve cover and shelter for birds during winter	Close structures during winter.	ac	$26.28
E646137Z2	Extend retention of captured rainfall to provide late winter water habitat	Extend retention-cover and shelter	ac	$30.93
E646137Z3	Shorebird habitat, late season shallow water with manipulation to improve cover and shelter	Late season shallow water - cover	ac	$51.93
E646137Z4	Extended late season shallow water with manipulation to improve cover and shelter	Extended late season shallow water-cover	ac	$57.63

Code	Practice	Component	Units	Unit Cost
E646138Z1	Close structures to capture and retain rainfall to provide water for birds during winter	Close structures to provide water	ac	$26.28
E646138Z2	Extend retention of captured rainfall to provide late winter water habitat	Extend winter water habitat	ac	$30.93
E646138Z3	Shorebird habitat, late season shallow water with manipulation	Late season shallow water	ac	$51.93
E646138Z4	Shorebird habitat, extended late season shallow water with manipulation	Extended late season shallow water	ac	$57.63
E646139Z1	Close structures to capture and retain rainfall for birds to improve habitat continuity	Close structures - habitat continuity	ac	$26.28
E646139Z2	Extend retention of captured rainfall to provide habitat continuity during late winter	Extend retention - habitat continuity	ac	$30.93
E646139Z3	Shorebird habitat, late season shallow water with manipulation to enhance habitat continuity	Late season shallow water-continuity	ac	$51.93
E646139Z4	Shorebird habitat, extended late season shallow water with manipulation - habitat continuity	Extended late season water-continuity	ac	$57.63
E647136Z1	Manipulate vegetation on fields where rainfall is to be captured and retained-food	Manipulate veg for food	ac	$22.86
E647136Z2	Provide early successional habitat between first rice crop and ratoon crop-food	Ratoon crop food sources	ac	$22.86
E647136Z3	Establish and maintenance of moist soil vegetation on cropland edges to increase wildlife food	Moist soil vegetation-food	ac	$11.26
E647137Z1	Manipulate vegetation on fields where rainfall is to be captured and retained-cover/shelter	Manipulate veg for cover/shelter	ac	$22.86
E647137Z2	Establish and maintenance of moist soil vegetation on cropland edges to increase cover/shelter	Moist soil vegetation-cover/shelter	ac	$11.26
E647139Z1	Establish/maintain habitat continuity, naturally occurring vegetation in ditches/ditch bank borders	Naturally occurring veg in ditches	ac	$11.26
E666106Z2	Maintaining and improving forest soil quality	Maintain/improve forest SQ	ac	$42.04
E666107Z	Maintaining and improving forest soil quality by limiting compaction	Maintain/imrove forest compaction	ac	$42.04
E666115Z2	Enhance development of the forest understory to improve site moisture	Forest understory to improve moisture	ac	$243.21
E666118Z	Enhance development of the forest understory to capture nutrients in surface water	Understory-nutrients in surface water	ac	$243.21
E666119Z	Enhance development of the forest understory to capture nutrients -ground water	Understory-nutrients in ground water	ac	$243.21
E666130Z	Increase on-site carbon storage	Increase on-site carbon storage	ac	$13.83
E666132Z1	Crop tree management for mast production	Crop tree management for mast production	ac	$350.05

Code	Practice	Component	Units	Unit Cost
E666132Z2	Reduce forest stand density to improve a degraded plant community	Forest density-degraded plant community	ac	$277.78
E666133X	Forest Stand Improvement to rehabilitate degraded hardwood stands	FSI-structure/composition in hardwoods	ac	$504.09
E666133Z1	Creating structural diversity with patch openings	Structural diversity with patch openings	ac	$485.03
E666134Z	Enhance development of the forest understory to create conditions resistant to pests	Forest understory-resistant to pests	ac	$243.21
E666135Z1	Reduce height of the forest understory to limit wildfire risk	Forest understory-limit wildfire risk	ac	$243.21
E666135Z2	Reduce forest density and manage understory along roads to limit wildfire risk	Manage understory-limit wildfire risk	ac	$281.25
E666136Z1	Reduce forest density and manage understory along roads to improve wildlife food sources	Manage understory-wildlife food sources	ac	$281.25
E666136Z2	Reduce forest stand density to improve wildlife food sources	Stand density-wildlife food sources	ac	$277.78
E666136Z3	Create patch openings to enhance wildlife food sources and availability	Patch openings-food and availability	ac	$295.81
E666137Z1	Snags, den trees, and coarse woody debris for wildlife habitat	Snags and den trees for wildlife	ac	$45.56
E666137Z2	Summer roosting habitat for native forest-dwelling bat species	Summer roosting habitat for bats	ac	$199.14
E666137Z3	Increase diversity in pine plantation monocultures	Improve pine plantation diversity	ac	$485.03
E666137Z6	Create patch openings to enhance wildlife cover and shelter	Patch openings-cover and shelter	ac	$295.81
E666137Z7	Enhance development of the forest understory to provide wildlife cover and shelter	Understory to provide cover/shelter	ac	$243.21