

## Conservation Stewardship Program

Fiscal Year 2023

Code	Practice	Component	Units	Unit Cost
311	Alley Cropping	Alley Cropping Single Row - Small Acreage	No	\$3.18
311	Alley Cropping	Tree Planting, Single Row	No	\$4.08
314	Brush Management	Hand - Difficult or Adverse	Ac	\$85.04
314	Brush Management	Brush Management for 1 Ac. or less	Ac	\$42.86
314	Brush Management	Biological Brush Management Low Density	Ac	\$68.41
314	Brush Management	Biological Brush Management High Density	Ac	\$136.81
314	Brush Management	Invasive Conifer Tree Girdling	No	\$1.44
314	Brush Management	Hand Tools, Medium	Ac	\$21.26
314	Brush Management	High Cost Chemical	Ac	\$7.64
314	Brush Management	Chemical, Spot Treatment	Ac	\$22.75
314	Brush Management	Mechanical, Small Woody, Light Infestation	Ac	\$11.14
314	Brush Management	Multiple treatment Complex	Ac	\$114.64
314	Brush Management	Chemical, Aerial Applied	Ac	\$5.56
314	Brush Management	Two Treatments	Ac	\$13.29
314	Brush Management	Mechanical, Small Woody, Medium Infestation	Ac	\$14.68
314	Brush Management	Mechanical, Small Woody, Heavy Infestation	Ac	\$28.34
314	Brush Management	Mechanical, Large Woody, Medium Infestation	Ac	\$40.93
314	Brush Management	Mechanical, Large Woody, Heavy Infestation	Ac	\$51.14
314	Brush Management	Three Treatments	Ac	\$22.69
314	Brush Management	Hand Tools, Light	Ac	\$5.00
315	Herbaceous Weed Treatment	Complex, Chemical Control	Ac	\$110.31
315	Herbaceous Weed Treatment	Chemical, Spot Treatment	Ac	\$21.31
315	Herbaceous Weed Treatment	Herbaceous Weed Treatment for One Acre Small Farm	Ac	\$25.82
315	Herbaceous Weed Treatment	Multi-Year Invasive Annual Grass Control	Ac	\$10.38
315	Herbaceous Weed Treatment	Biological Management Low Density	Ac	\$47.53
315	Herbaceous Weed Treatment	Biological Management High Density	Ac	\$95.06
315	Herbaceous Weed Treatment	Biological Control - Insects	Ac	\$12.85

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
315	Herbaceous Weed Treatment	Complex Chemical cut remove	Ac	\$392.17
315	Herbaceous Weed Treatment	Two Treatments	Ac	\$15.57
315	Herbaceous Weed Treatment	High Cost Chemical	Ac	\$6.19
315	Herbaceous Weed Treatment	Hand Tools	Ac	\$37.20
315	Herbaceous Weed Treatment	Chemical, Aerial	Ac	\$4.24
315	Herbaceous Weed Treatment	Mechanical	Ac	\$9.00
315	Herbaceous Weed Treatment	Three Treatments	Ac	\$21.85
315	Herbaceous Weed Treatment	Competing Vegetation Control	Ac	\$116.44
319	On-Farm Secondary Containment Facility	Earthen Containment	CuYd	\$15.98
319	On-Farm Secondary Containment Facility	Plastic containment tub	SqFt	\$3.97
319	On-Farm Secondary Containment Facility	Modular Block Containment Wall	SqFt	\$4.01
319	On-Farm Secondary Containment Facility	Corrugated Metal Wall Containment	SqFt	\$2.70
319	On-Farm Secondary Containment Facility	Double Wall Tank	Gal	\$0.18
319	On-Farm Secondary Containment Facility	Concrete Containment Wall	CuYd	\$164.51
324	Deep Tillage	Deep Tillage less than 20 inches	Ac	\$2.92
324	Deep Tillage	Deep Tillage more than 20 inches	Ac	\$6.81
327	Conservation Cover	Native Species with Forgone Income	Ac	\$38.58
327	Conservation Cover	Introduced with Forgone Income	Ac	\$31.65
327	Conservation Cover	Pollinator Mix-Small Footprint	kSqFt	\$13.36
327	Conservation Cover	Pollinator Species with Forgone Income	Ac	\$70.18
327	Conservation Cover	Pollinator Species	Ac	\$77.41
327	Conservation Cover	Introduced Species	Ac	\$22.44
327	Conservation Cover	Orchard or Vineyard Alleyways	Ac	\$15.59
327	Conservation Cover	Monarch Species Mix with Forgone Income	Ac	\$86.45
327	Conservation Cover	Native Species	Ac	\$23.23
327	Conservation Cover	Monarch Species Mix	Ac	\$95.13
328	Conservation Crop Rotation	Basic Rotation Organic and Non-Organic	Ac	\$1.64
328	Conservation Crop Rotation	Specialty Crops Organic and Non-Organic	Ac	\$4.38
328	Conservation Crop Rotation	Rice Residue Management for Waterfowl	Ac	\$0.47

Code	Practice	Component	Units	Unit Cost
328	Conservation Crop Rotation	Specialty Crops, Small Farm	No	\$142.25
328	Conservation Crop Rotation	Specialty Crop Rotations-Small Scale	kSqFt	\$4.32
329	Residue and Tillage Management, No Till	No-Till/Strip-Till with Herbicide and No Cover Crop	Ac	\$4.70
329	Residue and Tillage Management, No Till	Small Scale No Till	kSqFt	\$4.93
329	Residue and Tillage Management, No Till	No Till Adaptive Management	No	\$439.12
333	Amending Soil Properties with Gypsum Products	Gypsum less than 1 ton per acre	Ac	\$16.49
333	Amending Soil Properties with Gypsum Products	Gypsum greater than 1 ton rate	Ac	\$31.62
334	Controlled Traffic Farming	Controlled Traffic	Ac	\$7.37
340	Cover Crop	Cover Crop - 1 acre or less	Ac	\$58.60
340	Cover Crop	Cover Crop - Basic (Organic and Non-organic)	Ac	\$8.11
340	Cover Crop	Cover Crop - Adaptive Management	No	\$336.43
340	Cover Crop	Cover Crop - Multiple Species (Organic and Non-organic)	Ac	\$10.17
340	Cover Crop	Cover Crop - Basic Organic	Ac	\$10.92
340	Cover Crop	Cover Crop – Multiple Species, with Tillage	Ac	\$14.63
340	Cover Crop	Multi-species Cover Crop per 1000 square feet	kSqFt	\$5.66
342	Critical Area Planting	Native or Introduced Vegetation - Heavy Grading (Organic and Non-Organic)	Ac	\$139.84
342	Critical Area Planting	Hydroseed	Ac	\$129.28
342	Critical Area Planting	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	Ac	\$44.25
342	Critical Area Planting	Permanent Cover	kSqFt	\$2.32
342	Critical Area Planting	Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	Ac	\$97.07
345	Residue and Tillage Management, Reduced Till	Mulch till-Adaptive Management	No	\$516.61
345	Residue and Tillage Management, Reduced Till	Reduced Field Operations	Ac	\$4.80
345	Residue and Tillage Management, Reduced Till	Reduced Tillage less than 0.5 acres	kSqFt	\$4.26
348	Dam, Diversion	Earth Fill-Grouted Rock	CuYd	\$6.78
348	Dam, Diversion	Rock/Gravel Fill	CuYd	\$11.92
348	Dam, Diversion	Earth Fill	CuYd	\$0.71
348	Dam, Diversion	Sheet Pile Structure	SqFt	\$6.87
373	Dust Control on Unpaved Roads and Surfaces	Petroleum-Based Road Oil Application, Once per Year	SqFt	\$0.04
373	Dust Control on Unpaved Roads and Surfaces	Clay Additive Application, Once per Year	SqFt	\$0.28

Code	Practice	Component	Units	Unit Cost
373	Dust Control on Unpaved Roads and Surfaces	Polymer Emulsion Application, Once per Year	SqFt	\$0.05
373	Dust Control on Unpaved Roads and Surfaces	Petroleum Emulsion Application, Once per Year	SqFt	\$0.03
373	Dust Control on Unpaved Roads and Surfaces	Hygroscopic Salt Application, Once per Year	SqFt	\$0.02
373	Dust Control on Unpaved Roads and Surfaces	Water Application, Once per Week	SqFt	\$0.01
373	Dust Control on Unpaved Roads and Surfaces	Water Application, Twice per Day	SqFt	\$0.02
373	Dust Control on Unpaved Roads and Surfaces	Water Application, Once per Day	SqFt	\$0.02
373	Dust Control on Unpaved Roads and Surfaces	Lignosulfonate Application, Once per Year	SqFt	\$0.05
374	Energy Efficient Agricultural Operation	Heating (Building)	kBTU/Hr	\$2.53
374	Energy Efficient Agricultural Operation	Compressor heat recovery	No	\$613.94
374	Energy Efficient Agricultural Operation	Low energy livestock waterers	No	\$118.76
374	Energy Efficient Agricultural Operation	Motor upgrade <= 1 hp	No	\$80.97
374	Energy Efficient Agricultural Operation	Small variable frequency drive <= 5 hp	HP	\$12.73
374	Energy Efficient Agricultural Operation	Evaporative cooling system	SqFt	\$1.88
374	Energy Efficient Agricultural Operation	Alley Scraper	No	\$3,936.62
374	Energy Efficient Agricultural Operation	Water heater	No	\$40.11
374	Energy Efficient Agricultural Operation	Washer-extractor	No	\$1,164.44
374	Energy Efficient Agricultural Operation	Motor Upgrade > 1 and < 10 HP	No	\$117.85
374	Energy Efficient Agricultural Operation	Motor Upgrade 10 - 100 HP	No	\$637.79
374	Energy Efficient Agricultural Operation	Motor Upgrade > 100 HP	No	\$2,299.62
374	Energy Efficient Agricultural Operation	Ventilation - Exhaust	No	\$230.34
374	Energy Efficient Agricultural Operation	Automatic Controller System	No	\$245.65
374	Energy Efficient Agricultural Operation	Condenser	HP	\$91.47
374	Energy Efficient Agricultural Operation	Variable Speed Drive > 5 HP	HP	\$13.46
374	Energy Efficient Agricultural Operation	Scroll Compressor	HP	\$76.93
374	Energy Efficient Agricultural Operation	Plate Cooler	No	\$3,639.59
374	Energy Efficient Agricultural Operation	Ventilation - HAF	No	\$30.62
374	Energy Efficient Agricultural Operation	Heating - Radiant Systems	No	\$187.35
376	Field Operations Emissions Reduction	Air Curtain Burner (ACB)	Ac	\$18.33
376	Field Operations Emissions Reduction	Woody Biomass On-site chipping and recycling	Ac	\$20.48

Code	Practice	Component	Units	Unit Cost
376	Field Operations Emissions Reduction	Chipping of woody biomass	Ac	\$19.62
376	Field Operations Emissions Reduction	Clean Harvest Technology	Ac	\$11.34
376	Field Operations Emissions Reduction	One Crop Per Year	Ac	\$1.95
376	Field Operations Emissions Reduction	Two Crops Per Year	Ac	\$3.90
376	Field Operations Emissions Reduction	Chipping and field removal of woody biomass	Ac	\$11.46
378	Pond	Embankment pond with pipe <= 500 yd3	CuYd	\$4.50
378	Pond	Excavated Pit	CuYd	\$0.46
378	Pond	Difficult Excavation, embankment pond with pipe	CuYd	\$2.74
378	Pond	Difficult Excavation	CuYd	\$1.37
378	Pond	Embankment Pond without Pipe, Imported Fill	CuYd	\$1.15
378	Pond	Embankment pond with pipe > 500 yd3	CuYd	\$1.21
378	Pond	Embankment Pond without Pipe, Pacific Region	CuYd	\$0.88
378	Pond	Embankment Pond with Lined Auxiliary Spillway, No Pipe	CuYd	\$7.44
380	Windbreak/Shelterbelt Establishment and Renovation	1-row, Tree and/or Shrub, with Wind-protection Fence	Ft	\$0.21
380	Windbreak/Shelterbelt Establishment and Renovation	Renovation - Tree/shrub removal with chainsaw followed by hand planting	Ft	\$0.51
380	Windbreak/Shelterbelt Establishment and Renovation	Renovation-Thinning or tree removal with Dozer (trees > 8 inches DBH) followed by hand planting	Ft	\$0.63
380	Windbreak/Shelterbelt Establishment and Renovation	Renovation-Thinning or tree removal with Dozer (trees > 8 inches DBH) followed by machine planting	Ft	\$0.39
380	Windbreak/Shelterbelt Establishment and Renovation	1-row, trees, containers, hand planted	Ft	\$0.08
380	Windbreak/Shelterbelt Establishment and Renovation	3 or more row windbreak, trees, machine planted	Ft	\$0.10
380	Windbreak/Shelterbelt Establishment and Renovation	1 row windbreak - small acreage	Ft	\$0.43
380	Windbreak/Shelterbelt Establishment and Renovation	One row or more, hand planted, potted	No	\$1.72
380	Windbreak/Shelterbelt Establishment and Renovation	3-row or more, tree-shrub, hand planted, protected	Ft	\$0.33
380	Windbreak/Shelterbelt Establishment and Renovation	3-row or more, tree-shrub, hand planted	Ft	\$0.21
380	Windbreak/Shelterbelt Establishment and Renovation	2-row, tree-shrub, chemical drift, hand planted	Ft	\$0.87
380	Windbreak/Shelterbelt Establishment and Renovation	2-row, tree-shrub, hand planted, protected	Ft	\$0.23
380	Windbreak/Shelterbelt Establishment and Renovation	1-row, trees, containers, hand planted, protected	Ft	\$0.13
380	Windbreak/Shelterbelt Establishment and Renovation	2-row, tree-shrub, hand planted	Ft	\$0.15
380	Windbreak/Shelterbelt Establishment and Renovation	1-row, tree or shrub, bareroot, hand planted	Ft	\$0.09

Code	Practice	Component	Units	Unit Cost
380	Windbreak/Shelterbelt Establishment and Renovation	4-row, Snow Shelter	Ft	\$0.20
381	Silvopasture	Establish Trees & Grasses	Ac	\$68.10
381	Silvopasture	Establish Trees, Existing Grasses	Ac	\$20.86
381	Silvopasture	Existing Trees, Establish Grasses	Ac	\$32.67
381	Silvopasture	Thinning & Establish Grasses	Ac	\$72.89
382	Fence	Difficult Installation	Ft	\$0.81
382	Fence	Woven Wire, Pacific Region	Ft	\$0.73
382	Fence	Electric, Pacific Region	Ft	\$0.33
382	Fence	Safety or Heavy Use	Ft	\$0.98
382	Fence	Wildlife Exclusion	Ft	\$1.30
382	Fence	Fenced winter feeding, or fenced confined area, relocation for water quality improvement	Ft	\$2.82
382	Fence	Organic Fence	Ft	\$0.63
382	Fence	Barbed/Smooth Wire	Ft	\$0.58
383	Fuel Break	Masticator, Level to Moderate Slopes	Ac	\$213.19
383	Fuel Break	Non Forest Lands	Ac	\$37.27
383	Fuel Break	Dozer, Level to Moderate Slopes	Ac	\$204.81
383	Fuel Break	Hand Treatments	Ac	\$288.61
383	Fuel Break	Masticator, Steep slopes >30%	Ac	\$308.51
384	Woody Residue Treatment	Large Dead and Dying Trees	No	\$98.07
384	Woody Residue Treatment	Orchard/Vineyard/Christmas Tree Removal	Ac	\$35.79
384	Woody Residue Treatment	Chipping and hauling off-site	Ac	\$61.55
384	Woody Residue Treatment	Lop and Scatter	Ac	\$12.81
384	Woody Residue Treatment	Slash Treatment, Light	Ac	\$25.35
384	Woody Residue Treatment	Forest Slash Treatment, Heavy	Ac	\$44.82
384	Woody Residue Treatment	Restoration/conservation treatment following catastrophic events	Ac	\$89.19
384	Woody Residue Treatment	Orchard Removal Slash Treatment, Large	Ac	\$129.48
384	Woody Residue Treatment	Replacing open pile burning with air curtain burner - large operation	Ac	\$16.23
384	Woody Residue Treatment	Replacing open pile burning with air curtain burner - small operation	Ac	\$18.54
386	Field Border	Small Scale Field Border	kSqFt	\$9.70

Code	Practice	Component	Units	Unit Cost
386	Field Border	Field Border, Pollinator	Ac	\$50.41
386	Field Border	Field Border, Native Species	Ac	\$18.81
386	Field Border	Field Border, Introduced Species	Ac	\$15.02
390	Riparian Herbaceous Cover	Broadcast Seeding with Foregone Income	Ac	\$177.62
390	Riparian Herbaceous Cover	Plug Planting	Ac	\$2,027.30
390	Riparian Herbaceous Cover	Riparian Broadcast Seeding	Ac	\$93.73
390	Riparian Herbaceous Cover	Combination Broadcast Seeding and Plug Planting	Ac	\$1,037.88
390	Riparian Herbaceous Cover	Pollinator Cover	Ac	\$164.18
391	Riparian Forest Buffer	Small area hand planting with container or bare root stock, with tree shelters	Ac	\$574.99
391	Riparian Forest Buffer	Cuttings, small to medium, with FI	Ac	\$323.56
391	Riparian Forest Buffer	Bare-root, hand planted w/foregone income.	Ac	\$365.28
391	Riparian Forest Buffer	Small area hand planting with container or bare root stock	Ac	\$330.21
391	Riparian Forest Buffer	Small container, hand planted	Ac	\$466.84
391	Riparian Forest Buffer	Bare-root, hand planted	Ac	\$259.18
391	Riparian Forest Buffer	Cuttings, Medium to Large	Ac	\$541.01
391	Riparian Forest Buffer	Cuttings, Small to Medium	Ac	\$295.26
391	Riparian Forest Buffer	Small container, hand planted, with FI	Ac	\$395.69
391	Riparian Forest Buffer	Large container, hand planted	Ac	\$865.69
393	Filter Strip	Filter Strip, Native species	Ac	\$27.10
393	Filter Strip	Filter Strip, Introduced species	Ac	\$23.20
394	Firebreak	Constructed, Medium equipment, Flat-medium slopes	Ft	\$0.04
394	Firebreak	Hand Line, Forest duff and litter	Ft	\$0.04
394	Firebreak	Hand Line, Tall Grass	Ft	\$0.10
394	Firebreak	Vegetated, permanent	Ft	\$0.05
394	Firebreak	Constructed, Medium equipment, Steep slopes	Ft	\$0.23
394	Firebreak	Constructed - Light Equipment	100 Ft	\$0.46
394	Firebreak	Constructed, Wide, Bladed or disked	Ft	\$0.61
395	Stream Habitat Improvement and Management	Instream rock placement	No	\$2,412.69
395	Stream Habitat Improvement and Management	Engineered Log Jam (ELJ), Medium	No	\$3,492.12

Code	Practice	Component	Units	Unit Cost
395	Stream Habitat Improvement and Management	Engineered Log Jam (ELJ), Large	No	\$6,885.89
395	Stream Habitat Improvement and Management	Anchored wood placement from off-site sources	No	\$1,777.61
395	Stream Habitat Improvement and Management	Anchored wood placement from on-site sources	No	\$1,088.75
395	Stream Habitat Improvement and Management	Wood placement, Unanchored, On-site sources	No	\$394.63
395	Stream Habitat Improvement and Management	Wood placement, Unanchored, Off-site sources	No	\$967.86
396	Aquatic Organism Passage	Bottomless Culvert >8ft span	Ft	\$222.74
396	Aquatic Organism Passage	CMP Culvert <=8ft, Foundation Modification	Ft	\$135.14
396	Aquatic Organism Passage	Bridge, manufactured for livestock and pedestrians	Lnft	\$107.74
396	Aquatic Organism Passage	CMP Culvert, >8ft, Foundation Modification	Lnft	\$237.29
396	Aquatic Organism Passage	Step Pool Weir	CuYd	\$20.72
396	Aquatic Organism Passage	Bridge, Manufactured, Foundation Modification	Ft	\$350.62
396	Aquatic Organism Passage	Bridge, Manufactured	Ft	\$297.35
396	Aquatic Organism Passage	Concrete Box Culvert	Ft	\$221.63
396	Aquatic Organism Passage	CMP Culvert, >8ft	Ft	\$186.31
396	Aquatic Organism Passage	Earthen Dam Removal	CuYd	\$18.92
396	Aquatic Organism Passage	CMP Culvert, <=8ft	Ft	\$112.31
396	Aquatic Organism Passage	Roughened Channel	SqFt	\$3.31
396	Aquatic Organism Passage	Concrete Dam Removal with Blasting	CuYd	\$27.19
396	Aquatic Organism Passage	Concrete Dam Removal	CuYd	\$23.38
396	Aquatic Organism Passage	Bottomless Culvert <= 8ft span	Ft	\$227.98
399	Fishpond Management	Invasive Weed Control	Ac	\$38.70
410	Grade Stabilization Structure	Pipe Drop, Steel	SqFt	\$2.58
410	Grade Stabilization Structure	Log Drop Structures	No	\$627.98
410	Grade Stabilization Structure	Weir Drop Structures	SqFt	\$16.47
410	Grade Stabilization Structure	Pipe Drop, Plastic	SqFt	\$5.15
410	Grade Stabilization Structure	Embankment, Pipe >12 inch	CuYd	\$1.01
410	Grade Stabilization Structure	Embankment, Pipe 8-12 inch	CuYd	\$0.77
410	Grade Stabilization Structure	Check Dams	Ton	\$10.99
410	Grade Stabilization Structure	Rock Drop Structures	SqFt	\$8.76



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412	Grassed Waterway	Base Waterway, Pacific Region	Ac	\$171.33
412	Grassed Waterway	Waterway with Checks	Ac	\$284.73
412	Grassed Waterway	Grassed waterway <= 0.2 acres	SqFt	\$0.02
420	Wildlife Habitat Planting	Very Small Acreage (<.5 ac) Planting with Seedlings	SqFt	\$0.06
420	Wildlife Habitat Planting	Interplanting with potted plants or shrubs	SqFt	\$0.21
420	Wildlife Habitat Planting	High Species Diversity on Cropland with Foregone Income	Ac	\$96.72
420	Wildlife Habitat Planting	High Species Diversity on Fallow or Non-Cropland, no Foregone Income	Ac	\$53.42
420	Wildlife Habitat Planting	Low Species Diversity on Cropland with Foregone Income	Ac	\$68.41
420	Wildlife Habitat Planting	Low Species Diversity on Non-Cropland, no Foregone Income	Ac	\$26.79
420	Wildlife Habitat Planting	Specialized Habitat Requirements on Cropland with Foregone Income	Ac	\$138.34
420	Wildlife Habitat Planting	Small Acreage, Diverse Shrubs, Caged	No	\$3.30
420	Wildlife Habitat Planting	Beetle Bank	Ft	\$0.22
420	Wildlife Habitat Planting	Specialized Habitat Requirements on Non-Cropland, no Foregone Income	Ac	\$98.42
420	Wildlife Habitat Planting	Small Acreage, Diverse Shrubs	No	\$2.03
420	Wildlife Habitat Planting	Small Acreage - Diverse Shrubs and Wildflowers	Ac	\$1,010.68
420	Wildlife Habitat Planting	Monarch Habitat - plug planted milkweed	Ac	\$552.75
420	Wildlife Habitat Planting	Monarch Habitat - seeded	Ac	\$134.24
420	Wildlife Habitat Planting	Diverse Native Wildflowers	Ac	\$134.73
422	Hedgerow Planting	Three Rows for Pollinators, Two Herbaceous, Rugged Terrain	Ft	\$0.91
422	Hedgerow Planting	Three Rows for Pollinators, Two Herbaceous	Ft	\$0.80
422	Hedgerow Planting	Two or Three Row, Both Woody, Rugged or Adverse Conditions	Ft	\$1.35
422	Hedgerow Planting	Single Row, Rugged or Adverse Conditions	Ft	\$0.99
422	Hedgerow Planting	Single Row	Ft	\$0.79
422	Hedgerow Planting	Two or Three Row, Both Woody	Ft	\$1.16
422	Hedgerow Planting	Two or Three Row, Both Woody, with Foregone Income	Ft	\$1.29
430	Irrigation Pipeline	Stream/road cross, directional drilling < 4 inch	Lnft	\$15.93
430	Irrigation Pipeline	HDPE (Corrugated Plastic Pipe)	Lb	\$0.46
430	Irrigation Pipeline	Surface Steel (Iron Pipe Size)	Lb	\$0.35
430	Irrigation Pipeline	Steel (Corrugated Steel Pipe)	Lb	\$0.20

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430	Irrigation Pipeline	Surface Aluminum (Aluminum Irrigation Pipe)	Lb	\$1.34
430	Irrigation Pipeline	PVC, High fitting ratio	Lb	\$0.62
430	Irrigation Pipeline	Stream/road crossing directional drilling, 4-12 inch steel casing	Ft	\$26.96
430	Irrigation Pipeline	Stream/road crossing directional drilling >12 inch	Lnft	\$54.65
430	Irrigation Pipeline	PVC (Iron Pipe Size), less than or equal to 4 inch, Small Scale System	Lnft	\$0.70
430	Irrigation Pipeline	HDPE (Iron Pipe Size and Tubing), less than or equal to 2 inch, Small Scale	Lb	\$4.46
430	Irrigation Pipeline	Surface HDPE (Iron Pipe Size and Tubing), less than or equal to 2 inch, Small Scale	Lb	\$1.06
430	Irrigation Pipeline	Surface HDPE >12 inch	Lb	\$0.60
430	Irrigation Pipeline	HDPE 4-12 inch, Difficult Install	Lb	\$0.66
430	Irrigation Pipeline	Above Ground, Ultra UV Resistant PVC	Lb	\$0.47
430	Irrigation Pipeline	PVC >12 inch, Difficult Install	Lb	\$0.43
430	Irrigation Pipeline	Surface HDPE 4-12 inch	Lb	\$0.60
430	Irrigation Pipeline	HDPE >12 inch, Difficult Install	Lb	\$0.59
430	Irrigation Pipeline	PVC <4 inch, Difficult Install	Lb	\$0.99
430	Irrigation Pipeline	PVC 4-12 inch, Typical Install	Lb	\$0.46
430	Irrigation Pipeline	PVC >12 inch, Typical Install	Lb	\$0.41
430	Irrigation Pipeline	HDPE <4 inch	Lb	\$0.79
430	Irrigation Pipeline	HDPE <4 inch, Difficult Intsall	Lb	\$0.90
430	Irrigation Pipeline	HDPE 4-12 inch, Typical Install	Lb	\$0.63
430	Irrigation Pipeline	HDPE >12 inch, Typical Install	Lb	\$0.58
430	Irrigation Pipeline	PVC <4 inch, Typical Install	Lb	\$0.66
430	Irrigation Pipeline	Surface HDPE <4 inch	Lb	\$0.63
430	Irrigation Pipeline	PVC 4 -12 inch, Difficult Install	Lb	\$0.55
441	Irrigation System, Microirrigation	SDI (Subsurface Drip Irrigation), Manure	Ac	\$386.98
441	Irrigation System, Microirrigation	Retrofit, Irrigation Automation	No	\$2,716.83
441	Irrigation System, Microirrigation	Small Microirrigation System	SqFt	\$0.11
441	Irrigation System, Microirrigation	Hoop House Surface Microirrigation	SqFt	\$0.03
441	Irrigation System, Microirrigation	Orchard-vineyard, >10ac with automation	Ac	\$180.11
441	Irrigation System, Microirrigation	SDI (Subsurface Drip Irrigation)	Ac	\$261.19

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441	Irrigation System, Microirrigation	Row Crop, Buried Manifold	Ac	\$239.54
441	Irrigation System, Microirrigation	Small Acreage	Ac	\$476.92
441	Irrigation System, Microirrigation	Orchard-vineyard, durable tubing replace	Ac	\$74.00
441	Irrigation System, Microirrigation	Orchard-vineyard, >10ac	Ac	\$174.16
441	Irrigation System, Microirrigation	Orchard-vineyard, 10ac or less	Ac	\$329.61
441	Irrigation System, Microirrigation	Vegetation Establishment	Ac	\$63.89
441	Irrigation System, Microirrigation	Small Surface Tape System	SqFt	\$0.08
441	Irrigation System, Microirrigation	Row Crop, Above Ground PE Manifold	Ac	\$377.52
442	Sprinkler System	Small Solid Set, Above Ground Laterals	Ac	\$321.39
442	Sprinkler System	Pod System	No	\$61.42
442	Sprinkler System	Renovation of Existing Overhead or Wheel line Sprinkler System	Ft	\$0.96
442	Sprinkler System	Retrofit, Irrigation Automation	Ac	\$108.40
442	Sprinkler System	Solid Set, Above Ground Laterals	Ac	\$268.93
442	Sprinkler System	Big Gun, Stationary	No	\$493.67
442	Sprinkler System	Traveling boom system (boom, hose, and flow meter)	No	\$7,809.28
442	Sprinkler System	Solid Set System Renovation	Ac	\$77.75
442	Sprinkler System	Irrigation Sprinkler Cart	No	\$303.78
442	Sprinkler System	Solid Set System with automation	Ac	\$725.35
442	Sprinkler System	Traveling Gun System, > 3 inch Hose	No	\$4,858.60
442	Sprinkler System	Traveling Gun System, >2 to 3 inch Hose	InDia	\$917.01
442	Sprinkler System	Handline system	Ft	\$0.96
442	Sprinkler System	Solid Set System	Ac	\$630.31
442	Sprinkler System	Wheel Line System	Ft	\$2.62
442	Sprinkler System	Linear Move System	Ft	\$12.70
442	Sprinkler System	Center Pivot, > 600 Ft	Ft	\$8.05
442	Sprinkler System	Center Pivot, < 600 Ft	Ft	\$9.10
442	Sprinkler System	Traveling Gun System, 2 inch or less diameter Hose	InDia	\$809.32
443	Irrigation System, Surface and Subsurface	Poly Irrigation Tubing	Lb	\$0.47
443	Irrigation System, Surface and Subsurface	Flood Floor Irrigation	SqFt	\$0.99

Code	Practice	Component	Units	Unit Cost
443	Irrigation System, Surface and Subsurface	Aluminum Gated Pipe	Lb	\$1.27
443	Irrigation System, Surface and Subsurface	Surge Valve & Controller	No	\$302.58
443	Irrigation System, Surface and Subsurface	Polyvinyl Chloride (PVC) Gated Pipe	Lb	\$0.39
449	Irrigation Water Management	Intermediate IWM <30 acres	No	\$147.72
449	Irrigation Water Management	Intermediate IWM >= 30 acres	Ac	\$6.17
449	Irrigation Water Management	Advanced IWM <30 acres	No	\$213.37
449	Irrigation Water Management	Advanced IWM >= 30 acres	Ac	\$8.53
449	Irrigation Water Management	IWM with Soil Moisture Sensors	No	\$174.37
449	Irrigation Water Management	IWM with Soil Moisture Sensors with Data Recorder	No	\$231.85
449	Irrigation Water Management	IWM with Irrigation Evaluation	No	\$477.36
449	Irrigation Water Management	IWM w weather station	No	\$782.31
449	Irrigation Water Management	IWM Fundamental Concepts	No	\$43.77
462	Precision Land Forming and Smoothing	Minor Shaping, Pacific Region	Ac	\$49.49
462	Precision Land Forming and Smoothing	Habitat Excavation	CuYd	\$1.81
464	Irrigation Land Leveling	Small Scale Irrigation Land Leveling	Ac	\$109.63
464	Irrigation Land Leveling	Irrigation Land Leveling, Pacific Region	CuYd	\$0.17
472	Access Control	Seasonal exclusion, High production	Ac	\$10.32
472	Access Control	Seasonal exclusion, Low production	Ac	\$2.92
472	Access Control	Cattle Guard	No	\$652.17
472	Access Control	Swing Arm Gate	No	\$583.25
472	Access Control	Extended Road Closure	No	\$366.11
472	Access Control	Monitoring, maintenance, additional labor	Ac	\$3.54
484	Mulching	Plastic	SqFt	\$0.01
484	Mulching	Tree and Shrub	No	\$0.15
484	Mulching	Natural Materials, Heavy	Ac	\$83.85
484	Mulching	Geotextile	SqFt	\$0.02
484	Mulching	Hydromulch	SqYd	\$0.03
484	Mulching	Natural Materials	Ac	\$34.41
484	Mulching	Wood Chips	Ac	\$280.94

Code	Practice	Component	Units	Unit Cost
484	Mulching	Erosion Control Blanket, Steep Slopes	SqFt	\$0.02
490	Tree/Shrub Site Preparation	Two Treatments, Small Difficult Sites	Ac	\$133.29
490	Tree/Shrub Site Preparation	Windbreak/Hedgerow, Small Project, <=0.7 ac	Ac	\$77.23
490	Tree/Shrub Site Preparation	Three Treatments, Small, Difficult Site	Ac	\$180.73
490	Tree/Shrub Site Preparation	Windbreak/Hedgerow	Ac	\$40.53
490	Tree/Shrub Site Preparation	Hand Site Prep, Individual Spots, Disaster Rehabilitation	Ac	\$61.45
490	Tree/Shrub Site Preparation	Hand Site Prep, Individual Spots, Woody, Wet	Ac	\$202.41
490	Tree/Shrub Site Preparation	Hand Site Prep, Individual Spots, Thick Vegetation	Ac	\$115.62
490	Tree/Shrub Site Preparation	Chemical, Hand Application	Ac	\$16.32
490	Tree/Shrub Site Preparation	Chemical, Ground Application	Ac	\$25.87
490	Tree/Shrub Site Preparation	Mechanical, Brush Rake	Ac	\$43.04
490	Tree/Shrub Site Preparation	Mechanical, Shredding, Heavy vegetation	Ac	\$97.23
490	Tree/Shrub Site Preparation	Mechanical, Shredding, Light vegetation	Ac	\$83.38
490	Tree/Shrub Site Preparation	Hand Site Prep, Individual Spots, Light Vegetation	Ac	\$32.83
490	Tree/Shrub Site Preparation	Tree-Shrub Site Prep - small acreage	SqFt	\$0.37
511	Forage Harvest Management	Weed and Pest Control	Ac	\$1.33
512	Pasture and Hay Planting	Non-Native Standard Seeding no Fertilizer	Ac	\$13.64
512	Pasture and Hay Planting	Small farm, Pasture and Hay planting for 1 ac.	Ac	\$83.42
512	Pasture and Hay Planting	Small Acreage NonNative High Seeding Rate no Lime	Ac	\$55.23
512	Pasture and Hay Planting	NonNative High Seeding Rate no Lime	Ac	\$35.08
512	Pasture and Hay Planting	Non-Native Standard Seeding with Fertilizer	Ac	\$26.30
512	Pasture and Hay Planting	NonNative, High Seeding Rate with Lime or similar amendment	Ac	\$53.15
516	Livestock Pipeline	Surface Steel (Iron Pipe Size), Pacific Region	Ft	\$0.95
516	Livestock Pipeline	Surface HDPE (Iron Pipe Size and Tubing), Small Scale	Lb	\$1.69
516	Livestock Pipeline	PVC (Iron Pipe Size) Difficult install	Ft	\$0.62
516	Livestock Pipeline	Directional drilling beneath roads or streams	Lnft	\$11.54
516	Livestock Pipeline	HDPE (Iron Pipe Size and Tubing), Small Scale	Lb	\$4.46
516	Livestock Pipeline	PVC, High Fitting Ratio	Ft	\$0.49
516	Livestock Pipeline	PVC deep trench	Ft	\$0.88

Code	Practice	Component	Units	Unit Cost
516	Livestock Pipeline	Steel (Iron Pipe Size), Pacific Region	Ft	\$1.07
516	Livestock Pipeline	Surface HDPE (Iron Pipe Size & Tubing), Pacific Region	Ft	\$0.31
516	Livestock Pipeline	HDPE (Iron Pipe Size & Tubing), Pacific Region	Ft	\$0.42
516	Livestock Pipeline	PVC (Iron Pipe Size), Pacific Region	Ft	\$0.38
516	Livestock Pipeline	HDPE (Iron Pipe Size & Tubing) Difficult install	Ft	\$0.69
516	Livestock Pipeline	Steel (Iron Pipe Size) Difficult Install	Ft	\$1.37
528	Prescribed Grazing	Range, Deferment	Ac	\$0.80
528	Prescribed Grazing	Pasture, Basic, Large Acres	Ac	\$1.36
528	Prescribed Grazing	Pasture, Deferment	Ac	\$7.29
528	Prescribed Grazing	Pasture, Intensive	Ac	\$9.50
528	Prescribed Grazing	Habitat Management, Intensive	Ac	\$1.04
528	Prescribed Grazing	Range, Intensive	Ac	\$0.69
528	Prescribed Grazing	Range Basic	Ac	\$0.51
528	Prescribed Grazing	Pasture, Basic	Ac	\$5.88
528	Prescribed Grazing	Prescribed Grazing Management for 5 Acres or less	Ac	\$28.02
533	Pumping Plant	chopper manure pump	No	\$1,101.04
533	Pumping Plant	Electric-Powered Pump, > or equal 40 HP, with VFD	HP	\$66.23
533	Pumping Plant	Water Ram Pump, Pacific Region	In	\$150.91
533	Pumping Plant	Livestock Nose Pump	No	\$160.78
533	Pumping Plant	Vertical Turbine Pump, Deep Well, <100 Hp	HP	\$89.40
533	Pumping Plant	Vertical Turbine Pump, Deep Well, >100 Hp	HP	\$64.67
533	Pumping Plant	vertical manure pump, PTO	No	\$3,761.94
533	Pumping Plant	Turbine, Pump Only	HP	\$34.70
533	Pumping Plant	Electric-Powered Pump, <40 HP, with VFD	HP	\$110.94
533	Pumping Plant	Solar-Powered Pump > 3 Hp	No	\$1,567.87
533	Pumping Plant	Internal Combustion-Powered Pump > 7.5 to 75 HP	HP	\$80.13
533	Pumping Plant	Piston, manure	No	\$2,798.51
533	Pumping Plant	Electric-Powered Pump <= 3 Hp	HP	\$237.72
533	Pumping Plant	Solar-Powered Pump <1 Hp	No	\$997.62

Code	Practice	Component	Units	Unit Cost
533	Pumping Plant	Internal Combustion-Powered Pump > 75 HP	HP	\$71.04
533	Pumping Plant	Internal Combustion-Powered Pump <= 7.5 HP	HP	\$81.12
533	Pumping Plant	Variable Frequency Drive only (no pump) >15 Hp	HP	\$14.97
533	Pumping Plant	Variable Frequency Drive only (no pump) <=15Hp	No	\$305.64
533	Pumping Plant	Electric-Powered Pump >40 HP, Centrifugal	HP	\$36.09
533	Pumping Plant	Electric-Powered Pump >10 to 40 HP	HP	\$58.53
533	Pumping Plant	Electric-Powered Pump >3 to 10 HP	HP	\$74.03
533	Pumping Plant	Electric-Powered Pump <= 3 HP with Pressure Tank	HP	\$277.51
533	Pumping Plant	Solar-Powered Pump 1 to 3 Hp	No	\$1,247.06
533	Pumping Plant	Windmill-Powered Pump	Ft	\$130.16
550	Range Planting	Shrub Plugs	Ac	\$371.31
550	Range Planting	Native Species Broadcast	Ac	\$42.15
550	Range Planting	Non-Native Species Broadcast	Ac	\$17.03
550	Range Planting	Native Species Low Forb Drilled	Ac	\$26.79
550	Range Planting	Native Species High Forb Drilled	Ac	\$36.72
550	Range Planting	NonNative Species Drilled	Ac	\$16.17
554	Drainage Water Management	Crib Cover Only	Ft	\$1.40
554	Drainage Water Management	Cribbing One Side and Cover	Ft	\$3.27
554	Drainage Water Management	Crib 2-sides and Cover	Ft	\$5.05
554	Drainage Water Management	Automated Drainage Water Management	Ac	\$1.08
554	Drainage Water Management	Drainage Water Management (DWM)	No	\$15.75
558	Roof Runoff Structure	High Tunnel Roof Runoff Trench Drain and Storage	Lnft	\$5.11
558	Roof Runoff Structure	Tank, 1,000 gallons or less - no gutters	Gal	\$0.36
558	Roof Runoff Structure	Tank, greater than 1,000 gallons - no gutters	Gal	\$0.28
558	Roof Runoff Structure	Tank, Greater than 2,000 gallons, with gutters and downspouts	Gal	\$0.21
558	Roof Runoff Structure	Tank, 2,000 gallons or less, with gutters and downspouts	Gal	\$0.42
558	Roof Runoff Structure	Roof Gutter, less than 50ft in length	Ft	\$2.67
558	Roof Runoff Structure	Roof Gutter, medium	Ft	\$2.09
558	Roof Runoff Structure	Roof Gutter, small	Ft	\$1.17

Code	Practice	Component	Units	Unit Cost
561	Heavy Use Area Protection	Rock/Gravel-GeoCell on Geotextile, Pacific Region	SqFt	\$0.45
561	Heavy Use Area Protection	Reinforced Concrete, Remote Location	SqFt	\$1.15
561	Heavy Use Area Protection	Bituminous Concrete Pavement (Asphalt)	SqFt	\$0.39
561	Heavy Use Area Protection	Rock/Gravel Pad in Floodplain	SqFt	\$0.61
561	Heavy Use Area Protection	Rock/Gravel on Geotextile, Pacific Region	SqFt	\$0.17
561	Heavy Use Area Protection	Sand-topped Rock/Gravel on Geotextile	SqFt	\$0.22
561	Heavy Use Area Protection	Reinforced Concrete	SqFt	\$1.03
561	Heavy Use Area Protection	Non-reinforced Concrete with sand or gravel foundation	SqFt	\$0.59
561	Heavy Use Area Protection	Rock/Gravel	SqFt	\$0.15
561	Heavy Use Area Protection	Organic Surfacing	SqFt	\$0.29
570	Stormwater Runoff Control	Average Slope <= 3%	Ac	\$286.82
570	Stormwater Runoff Control	Average Slope > 3%	Ac	\$573.65
570	Stormwater Runoff Control	Rain Garden	SqFt	\$0.11
570	Stormwater Runoff Control	Rain Garden, small scale	SqFt	\$0.18
574	Spring Development	Spring Development with Headwall	No	\$549.38
574	Spring Development	Spring Development without Headwall	No	\$344.87
576	Livestock Shelter Structure	Permanent Fabricated Wind Shelter	Ft	\$4.65
576	Livestock Shelter Structure	Portable Fabricated Wind Shelter	Ft	\$5.48
576	Livestock Shelter Structure	Portable Shade Structure	SqFt	\$0.59
576	Livestock Shelter Structure	Prefabricated Portable Shade Structure	SqFt	\$0.79
578	Stream Crossing	Culvert, 3-6 ft diameter	Ft	\$57.87
578	Stream Crossing	Culvert, >6 ft diameter	Ft	\$66.93
578	Stream Crossing	Culvert, >6 ft diameter, Foundation Modification	Ft	\$87.58
578	Stream Crossing	Bridge, Manufactured	Ft	\$301.84
578	Stream Crossing	Bridge, Manufactured, Foundation Modification	Ft	\$355.99
578	Stream Crossing	Bridge, Manufactured for Livestock/Pedestrians	Lnft	\$84.83
578	Stream Crossing	Low water crossing, Prefabricated products	SqFt	\$2.97
578	Stream Crossing	Low water crossing, Hard armor	SqFt	\$2.84
578	Stream Crossing	Culvert, < 3 ft diameter	Ft	\$52.97



Code	Practice	Component	Units	Unit Cost
580	Streambank and Shoreline Protection	Log Matrix	Ft	\$60.50
580	Streambank and Shoreline Protection	Rock Rip Rap, Small	Ft	\$10.78
580	Streambank and Shoreline Protection	Bioengineered	Ft	\$4.75
580	Streambank and Shoreline Protection	Bioengineered w/ Logs	Ft	\$17.52
580	Streambank and Shoreline Protection	Boiengineered, rock toe	Ft	\$12.64
580	Streambank and Shoreline Protection	Rock Rip Rap, Large	Ft	\$13.61
580	Streambank and Shoreline Protection	Large Wood Structure with rock toe	Ft	\$60.76
580	Streambank and Shoreline Protection	Large Wood Structures	Ft	\$29.13
587	Structure for Water Control	Recycled Water Connection	No	\$666.12
587	Structure for Water Control	Automated DWM Control Structure, 6 to 10 inch diameter pipe	No	\$585.70
587	Structure for Water Control	Forest road cross drain, HDPE <= 30 inches diameter	DialnFt	\$0.25
587	Structure for Water Control	Paddlewheel Screen	cfs	\$1,706.03
587	Structure for Water Control	Culvert <30 inches HDPE	DialnFt	\$0.33
587	Structure for Water Control	Culvert <30 inches CMP	DialnFt	\$0.35
587	Structure for Water Control	Active screen	No	\$892.72
587	Structure for Water Control	Automated DWM Control Structure, 12 to 18 inch diameter pipe	No	\$1,073.46
587	Structure for Water Control	Automation Retrofit to Manual Drainage Water Management Control Structure	No	\$704.54
587	Structure for Water Control	Slide gate, Pacific Region	Ft	\$100.64
587	Structure for Water Control	Cast-iron Screw Gate	Ft	\$530.16
587	Structure for Water Control	Flashboard Riser, Metal	DialnFt	\$1.18
587	Structure for Water Control	Culvert, <30 inches, HDPE, Diverted Flow	DialnFt	\$1.22
587	Structure for Water Control	Culvert, >= 30 inches, HDPE	DialnFt	\$1.13
587	Structure for Water Control	Culvert, <30 inches, CMP, Diverted Flow	DialnFt	\$1.24
587	Structure for Water Control	Screen filter, irrigation type, <1 cfs	cfs	\$287.80
587	Structure for Water Control	V-Notch Gate Valve	No	\$37.83
587	Structure for Water Control	Flap Gate, Pacific Region	Ft	\$440.67
587	Structure for Water Control	Flap Gate w/ Concrete Wall, Pacific Region	CuYd	\$244.90
587	Structure for Water Control	Self Regulating Tidegate	Ft	\$2,784.94
587	Structure for Water Control	Rock Checks for Water Surface Profile, Pacific Region	Ton	\$31.55

Code	Practice	Component	Units	Unit Cost
587	Structure for Water Control	CMP Turnout, Pacific Region	No	\$103.71
587	Structure for Water Control	Concrete Turnout Structure, Large	No	\$468.16
587	Structure for Water Control	Reinforced Concrete Structure	CuYd	\$83.51
587	Structure for Water Control	Rotating Drum Screen	cfs	\$420.11
587	Structure for Water Control	Screen filter, irrigation type, 1-3 cfs	cfs	\$269.79
587	Structure for Water Control	Screen filter, irrigation type, 3-6 cfs	cfs	\$257.96
587	Structure for Water Control	Screen filter, irrigation type, >6 cfs	cfs	\$255.34
587	Structure for Water Control	Culvert, >= 30 inches, CMP	DialInFt	\$0.94
587	Structure for Water Control	Fish screen, Horizontal Flat Plate	cfs	\$706.95
590	Nutrient Management	Basic NM (Non-Organic/Organic)	Ac	\$1.15
590	Nutrient Management	Prescription Nutrient Efficiency and Precision Application	Ac	\$7.05
590	Nutrient Management	Prescription Nutrient Efficiency	Ac	\$5.17
590	Nutrient Management	Small Scale Basic Nutrient Management	kSqFt	\$8.69
590	Nutrient Management	Small Farm, Diversified Crops	No	\$121.79
590	Nutrient Management	Adaptive NM	No	\$337.63
590	Nutrient Management	Basic NM with Manure and/or Compost (Non-Organic/Organic)	Ac	\$2.42
590	Nutrient Management	Basic NM (Organic/NonOrganic) greater than or equal to 0.5-10 acres	No	\$37.15
590	Nutrient Management	Basic NM with Manure Injection or Incorporation	Ac	\$4.37
595	Pest Management Conservation System	Plant Health PAMS (acs) Low Labor, materials and mitigation.	Ac	\$7.39
595	Pest Management Conservation System	Plant Health PAMS (acs) High Labor and materials	Ac	\$46.12
595	Pest Management Conservation System	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$150.72
595	Pest Management Conservation System	Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$8.59
595	Pest Management Conservation System	Water Quality Pesticide Mitigation = 30 Point AND/OR Beneficial Insect Pesticide Mitigation	Ac	\$4.90
595	Pest Management Conservation System	Plant health PAMS (Small Farm - each) labor only	No	\$69.59
595	Pest Management Conservation System	Water Quality Pesticide Mitigation > 30 Point AND/OR Beneficial Insect Pesticide Mitigation - Small Farm	No	\$247.91
595	Pest Management Conservation System	Plant Health PAMS (acs) Low Labor and Materials	Ac	\$2.62
595	Pest Management Conservation System	Plant Health PAMS (acs) High Labor, materials and mitigation.	Ac	\$52.70
595	Pest Management Conservation System	Plant Health PAMS (acs) Low labor only	Ac	\$1.87

Code	Practice	Component	Units	Unit Cost
595	Pest Management Conservation System	Plant health PAMS (Small Farm - each) labor and mitigation.	No	\$228.72
595	Pest Management Conservation System	Plant Health PAMS (acs) High labor only (intensive scouting etc.)	Ac	\$5.90
595	Pest Management Conservation System	Plant Health PAMS activities (Small Farm - each) labor, materials and mitigation.	No	\$922.08
595	Pest Management Conservation System	Pest Management Precision Ag	Ac	\$7.63
595	Pest Management Conservation System	Plant Health PAMS activities (Small Farm - each) labor and materials	No	\$590.39
605	Denitrifying Bioreactor	Denitrifying Bioreactor	CuYd	\$9.21
605	Denitrifying Bioreactor	Denitrifying Bioreactor, No Liner	CuYd	\$9.05
606	Subsurface Drain	Single-Wall Pipe, <= 6 inch	Lb	\$0.97
606	Subsurface Drain	Twin-Wall Pipe, >= 8 inch	Lb	\$0.53
606	Subsurface Drain	Single-Wall Pipe, >= 8 inch	Lb	\$0.50
606	Subsurface Drain	Single-Wall Pipe, <= 6 inch, Enveloped	Lb	\$1.25
610	Salinity and Sodic Soil Management	Soil Management (non-Irrigated)	Ac	\$2.30
610	Salinity and Sodic Soil Management	Soil Management (Irrigated)	Ac	\$2.55
610	Salinity and Sodic Soil Management	Mgmt, gyp 1 to 4 ton/ac	Ac	\$69.35
610	Salinity and Sodic Soil Management	Mgmt, gyp >4 to 8 ton/ac	Ac	\$170.26
610	Salinity and Sodic Soil Management	Mgmt, gyp > 8 ton/ac	Ac	\$250.99
612	Tree/Shrub Establishment	Floodplain Living Tree Fence	Ac	\$2,010.13
612	Tree/Shrub Establishment	Native Seed, Hand Plant	Ac	\$78.82
612	Tree/Shrub Establishment	Conservation, Hand Planting, Browse protection	Ac	\$117.82
612	Tree/Shrub Establishment	Conservation, Hand Planting	Ac	\$40.57
612	Tree/Shrub Establishment	Conservation, 1 gal pots, Hand planting, Per seedling	No	\$1.35
612	Tree/Shrub Establishment	Conservation, 1 gal pots, Hand planting, Per seedling, Protected	No	\$4.83
612	Tree/Shrub Establishment	Reforestation, 1 acre or more, Hand planting	Ac	\$85.99
612	Tree/Shrub Establishment	Conservation, Naturally occurring seedlings, Protected	No	\$3.12
612	Tree/Shrub Establishment	Tree-Shrub Establishment - Small Acreage	No	\$2.08
612	Tree/Shrub Establishment	Reforestation, 1 acre or more, Hand planting, Protected	Ac	\$143.29
612	Tree/Shrub Establishment	Reforestation, <1 ac, Hand planting, Per Tree	No	\$0.32
612	Tree/Shrub Establishment	Floodplain Stabilization	Ac	\$621.63
612	Tree/Shrub Establishment	Reforestation, <1 ac., Hand planting, Browse protection, Per Tree	No	\$0.58

Code	Practice	Component	Units	Unit Cost
614	Watering Facility	Below Ground Storage Tank	Gal	\$0.31
614	Watering Facility	Water Ramp, Rock in GeoCell on Geotextile	SqFt	\$0.47
614	Watering Facility	Water Ramp, Rock on Geotextile	SqFt	\$0.17
614	Watering Facility	Bottomless Steel Tank with liner	Gal	\$0.15
614	Watering Facility	Bottomless Steel Tank w/o Liner	Gal	\$0.26
614	Watering Facility	Remote Stock Trough	Gal	\$0.72
614	Watering Facility	Stock Trough, >600 gal	Gal	\$0.37
614	Watering Facility	Stock Trough, 300 gal or less	Gal	\$0.85
614	Watering Facility	Above Ground Storage Tank	Gal	\$0.23
614	Watering Facility	Frost Free Trough	Gal	\$4.07
614	Watering Facility	Stock Trough, >300 to 600 gal	Gal	\$0.56
614	Watering Facility	Tire Trough	Gal	\$0.30
620	Underground Outlet	Catch Basin with outlet pipe >24-30 inch, Complex Install	Ft	\$8.25
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >12-18 inch, Complex Install	Ft	\$4.16
620	Underground Outlet	Outlet Pipe >12-18 inch	Ft	\$3.13
620	Underground Outlet	Outlet Pipe >12-18 inch, Complex Install	Ft	\$3.32
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >18-24 inch	Ft	\$5.86
620	Underground Outlet	Catch Basin and outlet pipe >70 inch	Ft	\$57.82
620	Underground Outlet	Outlet Pipe >18-24 inch	Ft	\$4.99
620	Underground Outlet	Outlet Pipe >18-24 inch, Complex Install	Ft	\$5.25
620	Underground Outlet	Catch Basin with outlet pipe >24-30 inch	Ft	\$7.92
620	Underground Outlet	Outlet Pipe >24-30 inch	Ft	\$6.75
620	Underground Outlet	Outlet Pipe >12-18 inch, Imported Fill	Ft	\$4.02
620	Underground Outlet	Outlet Pipe >24-30 inch, complex installation	Ft	\$7.08
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >12-18 inch	Ft	\$3.97
620	Underground Outlet	Catch Basin with outlet pipe >30-70 inch	Ft	\$10.86
620	Underground Outlet	Catch Basin with outlet pipe >30-70 inch, Complex Install	Ft	\$11.52
620	Underground Outlet	Outlet Pipe >30 inch	Ft	\$11.58
620	Underground Outlet	Outlet Pipe >30 inch, Complex Install	Ft	\$11.81

Code	Practice	Component	Units	Unit Cost
620	Underground Outlet	Outlet Pipe >18-24 inch, Imported fill	Ft	\$5.92
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe <=6 inch	Ft	\$1.96
620	Underground Outlet	Outlet Pipe >6-12 inch, Imported Fill	Ft	\$2.17
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe <=6 inch, Complex Install	Ft	\$2.06
620	Underground Outlet	Outlet Pipe <=6 inch	Ft	\$1.16
620	Underground Outlet	Outlet Pipe <=6 inch, Complex Install	Ft	\$1.26
620	Underground Outlet	Outlet Pipe <=6 inch, Imported Fill	Ft	\$2.04
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >6-12 inch	Ft	\$2.13
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >6-12 inch, Complex Install	Ft	\$2.25
620	Underground Outlet	Outlet Pipe >6-12 inch	Ft	\$1.29
620	Underground Outlet	Outlet Pipe >6-12 inch, Complex Install	Ft	\$1.41
620	Underground Outlet	Rock-lined Catch Basin with outlet pipe >18-24 inch, Complex Install	Ft	\$6.05
643	Restoration of Rare or Declining Natural Communities	Very small acres planting with seedlings or plugs	Ac	\$328.21
643	Restoration of Rare or Declining Natural Communities	Habitat Monitoring and Management, High Intensity and Complexity	Ac	\$12.35
643	Restoration of Rare or Declining Natural Communities	Micro-topographic features, Shallow	Ac	\$4.81
643	Restoration of Rare or Declining Natural Communities	Shell Substrate	No	\$14.66
643	Restoration of Rare or Declining Natural Communities	Seeded Cultch Oyster Placement	No	\$63.22
643	Restoration of Rare or Declining Natural Communities	Seeded Oysters Bags and Shell Substrate Placement	No	\$73.92
643	Restoration of Rare or Declining Natural Communities	Rare or Declining Habitat Monitoring and Management, Medium intensity and Complexity for linear habitat type projects	Ac	\$14.45
643	Restoration of Rare or Declining Natural Communities	Beaver Dam Analogues or Post-Assisted Log Structures	Lnft	\$5.19
643	Restoration of Rare or Declining Natural Communities	Rare or Declining Habitat Monitoring and Management, Medium Intensity and Complexity	Ac	\$5.84
643	Restoration of Rare or Declining Natural Communities	Habitat Monitoring and Management, High Intensity and Complexity for linear habitat projects.	Ac	\$25.39
643	Restoration of Rare or Declining Natural Communities	Rock Structure	CuYd	\$95.12
643	Restoration of Rare or Declining Natural Communities	Plug Planting, 0.5 ac. or less	Ac	\$2,074.24
643	Restoration of Rare or Declining Natural Communities	Habitat Monitoring and Management, Low Intensity and Complexity	Ac	\$2.20
644	Wetland Wildlife Habitat Management	Habitat Monitoring and Management, Low Intensity and Complexity	Ac	\$1.44
644	Wetland Wildlife Habitat Management	Forage Management for Waterbirds, Corn	Ac	\$1.95
644	Wetland Wildlife Habitat Management	Flooding for Wildlife, Grassland/pasture/hayland	Ac	\$51.41

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
644	Wetland Wildlife Habitat Management	Flooding for Wildlife, Cropland	Ac	\$188.99
644	Wetland Wildlife Habitat Management	Seasonal Flooding	Ac	\$15.61
644	Wetland Wildlife Habitat Management	Water Management, High Intensity	Ac	\$9.86
644	Wetland Wildlife Habitat Management	Water Level Drawdown, Low Intensity	Ac	\$2.54
644	Wetland Wildlife Habitat Management	Habitat Monitoring and Management, High Intensity and Complexity	Ac	\$12.77
644	Wetland Wildlife Habitat Management	Habitat Monitoring and Management, Medium Intensity and Complexity	Ac	\$2.49
645	Upland Wildlife Habitat Management	Habitat Monitoring and Management, High Intensity and Complexity With Foregone Income	Ac	\$32.58
645	Upland Wildlife Habitat Management	Habitat Monitoring and Management, Low Intensity and Complexity	Ac	\$1.44
645	Upland Wildlife Habitat Management	Fence Removal for Wildlife	100 Ft	\$0.45
645	Upland Wildlife Habitat Management	Delayed Harvest, Organic Silage-Corn Rotation	Ac	\$75.74
645	Upland Wildlife Habitat Management	Delayed Harvest, Silage-Corn Rotation	Ac	\$71.08
645	Upland Wildlife Habitat Management	Establishment of seasonal wildlife forage or cover on cropland, no FI	Ac	\$20.47
645	Upland Wildlife Habitat Management	Establishment of seasonal forage or cover for wildlife on non-cropland.	Ac	\$40.24
645	Upland Wildlife Habitat Management	Interseeding Milkweed Into Existing Habitat	Ac	\$16.98
645	Upland Wildlife Habitat Management	Pollinator Species, Annuals	Ac	\$18.29
645	Upland Wildlife Habitat Management	Habitat Monitoring and Management, Medium Intensity and Complexity	Ac	\$3.33
645	Upland Wildlife Habitat Management	Habitat Monitoring and Management, High Intensity and Complexity	Ac	\$12.77
646	Shallow Water Development and Management	Flooding for Wildlife, Grassland/pasture/hayland	Ac	\$51.41
646	Shallow Water Development and Management	Flooding for Wildlife, Cropland	Ac	\$188.99
647	Early Successional Habitat Development-Mgt	Root Separation	Ac	\$27.35
647	Early Successional Habitat Development-Mgt	Wildlife Forage Management	Ac	\$40.33
647	Early Successional Habitat Development-Mgt	Disking, Difficult	Ac	\$15.06
647	Early Successional Habitat Development-Mgt	Disking, Simple	Ac	\$5.22
647	Early Successional Habitat Development-Mgt	Mowing, Multiple Treatments	Ac	\$12.83
647	Early Successional Habitat Development-Mgt	Mowing, Difficult	Ac	\$7.78
647	Early Successional Habitat Development-Mgt	Mowing, Simple	Ac	\$3.81
647	Early Successional Habitat Development-Mgt	Wet Soil Herp Habitat	Ac	\$167.14
649	Structures for Wildlife	Raptor Perch Pole	No	\$65.53
649	Structures for Wildlife	Artificial Nesting Bowl Structure	No	\$174.59

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
649	Structures for Wildlife	Downed Large Wood-Upland	No	\$39.66
649	Structures for Wildlife	Burrowing Owl Burrow (set of 2)	No	\$57.58
649	Structures for Wildlife	Brush and Rock Piles	No	\$37.47
649	Structures for Wildlife	Escape Ramp	No	\$11.20
649	Structures for Wildlife	Fence Markers, Vinyl Undersill	Ft	\$0.02
649	Structures for Wildlife	Snag Creation	No	\$3.70
649	Structures for Wildlife	Wetland Basking Structure, Log	No	\$158.82
649	Structures for Wildlife	Snake Hibernaculum	No	\$149.41
649	Structures for Wildlife	Nesting Box, Large, with steel pole	No	\$45.38
649	Structures for Wildlife	Nesting Box, Small, with wood pole	No	\$13.89
649	Structures for Wildlife	Nesting Box, Small	No	\$6.72
649	Structures for Wildlife	Nesting Box, Large	No	\$13.47
649	Structures for Wildlife	Wetland Basking Structure, Raft	No	\$48.66
650	Windbreak/Shelterbelt Renovation	Removal, > 8 inches DBH with Dozer, Replanting	Ft	\$0.59
650	Windbreak/Shelterbelt Renovation	Removal, Chain Saw, Replanting	Ft	\$0.38
654	Road/Trail/Landing Closure and Treatment	Heavy, <35% hillslope	Ft	\$0.91
654	Road/Trail/Landing Closure and Treatment	Light, Reshaping	Ft	\$0.48
654	Road/Trail/Landing Closure and Treatment	Light, Vegetative	Ft	\$0.32
654	Road/Trail/Landing Closure and Treatment	Heavy, >35% hillslope	Ft	\$1.41
654	Road/Trail/Landing Closure and Treatment	Riparian Zone	Ft	\$1.68
655	Forest Trails and Landings	Trail Erosion Control w/o Vegetation	Ft	\$0.48
655	Forest Trails and Landings	Trail and Landing Installation	Ft	\$0.29
660	Tree-Shrub Pruning	Stand Improvement, High Height, >10ft	Ac	\$58.25
660	Tree-Shrub Pruning	Stand Improvement, Low Height, 10ft or less	Ac	\$26.62
660	Tree-Shrub Pruning	Wildlife, Mast Increase	Ac	\$33.56
660	Tree-Shrub Pruning	Pruning Individual Agroforestry tree - small acreage	No	\$1.58
660	Tree-Shrub Pruning	Fire Hazard	Ac	\$41.21
660	Tree-Shrub Pruning	Individual Tree	No	\$1.43
666	Forest Stand Improvement	Competition Control, Mechanical, Heavy Equipment	Ac	\$166.87

Code	Practice	Component	Units	Unit Cost
666	Forest Stand Improvement	Wildlife and Forest Health, Dense Woodlands	Ac	\$257.71
666	Forest Stand Improvement	Wildlife Fire and Forest Health, Large Stem	Ac	\$176.35
666	Forest Stand Improvement	Creating Patch Openings	Ac	\$87.49
666	Forest Stand Improvement	Competition Control, Mechanical, Light Equipment	Ac	\$81.23
666	Forest Stand Improvement	Timber Stand Improvement, Chemical, Ground	Ac	\$15.05
666	Forest Stand Improvement	Timber Stand Improvement, Single Stem Treatment	Ac	\$62.35
666	Forest Stand Improvement	Pre-commercial Thinning, Hand tools, Heavy	Ac	\$67.38
666	Forest Stand Improvement	Pre-commercial Thinning, Hand tools, Light	Ac	\$42.24
666	Forest Stand Improvement	Wildlife Fire and Forest Health, Small Stem	Ac	\$143.06
B000BFF1	Buffer Bundle#1	Buffer Bundle#1	Ac	\$3,586.20
B000CPL10	YEAR 1 Irrigated Cropland (MRBI/Ogallala)	YEAR 1 Irrigated Cropland (MRBI/Ogallala)	Ac	\$167.91
B000CPL11	YEAR 2+ Irrigated Cropland (MRBI/Ogallala)	YEAR 2+ Irrigated Cropland (MRBI/Ogallala)	Ac	\$62.89
B000CPL12	Non-Irrigated Precision Ag (MRBI)	Non-Irrigated Precision Ag (MRBI)	Ac	\$50.91
B000CPL13	Non-Irrigated Cropland (MRBI)	Non-Irrigated Cropland (MRBI)	Ac	\$42.84
B000CPL14	YEAR 1 Irrigated Precision Ag Cropland (MRBI)	YEAR 1 Irrigated Precision Ag Cropland (MRBI)	Ac	\$172.32
B000CPL15	YEAR 2+ Irrigated Precision Ag Cropland (MRBI)	YEAR 2+ Irrigated Precision Ag Cropland (MRBI)	Ac	\$67.30
B000CPL16	Non-Irrigated Cropland with Water Bodies (MRBI)	Non-Irrigated Cropland with Water Bodies (MRBI)	Ac	\$52.88
B000CPL17	Non-Irrigated Cropland with Water Bodies Riparian Forest Buffer (MRBI)	Non-Irrigated Cropland with Water Bodies Riparian Forest Buffer (MRBI)	Ac	\$96.62
B000CPL18	Crop Bundle #18 - Precision Ag	Crop Bundle #18 - Precision Ag	Ac	\$51.62
B000CPL19	Crop Bundle #19 - Soil Health Precision Ag	Crop Bundle #19 - Soil Health Precision Ag	Ac	\$52.33
B000CPL20	Crop Bundle #20 - Soil Health Assessment	Crop Bundle #20 - Soil Health Assessment	Ac	\$50.15
B000CPL21	Crop Bundle #21 - Crop Bundle (Organic)	Crop Bundle #21 - Crop Bundle (Organic)	Ac	\$71.51
B000CPL22	Crop Bundle #22 - Erosion Bundle (Organic)	Crop Bundle #22 - Erosion Bundle (Organic)	Ac	\$53.28
B000CPL23	Crop Bundle #23 - Pheasant and quail habitat	Crop Bundle #23 - Pheasant and quail habitat	Ac	\$73.11
B000CPL24	Crop Bundle #24 - Cropland Soil Health Management System	Crop Bundle #24- Cropland Soil Health Management System	Ac	\$38.43
B000CPL25	Climate Smart Advanced Soil Health	Crop Land Bundle# 25- Climate Smart Advanced Soil Health	Ac	\$162.06
B000FST1	Forest Bundle#1	Forest Bundle#1	Ac	\$119.34
B000FST2	Forest Bundle #2 - Post-fire Management	Forest Bundle #2 - Post-fire Management	Ac	\$1,216.84
B000FST3	Forest Bundle #3	B000FST3 - Forest Bundle #3	Ac	\$653.52



Code	Practice	Component	Units	Unit Cost
B000FST4	Forest Bundle #4	B000FST4 - Forest Bundle #4	Ac	\$1,526.34
B000GRZ1	Grazing Bundle 1 - Range and Pasture	Grazing Bundle 1 - Range and Pasture	Ac	\$116.39
B000GRZ5	Grazing Bundle 5 - Range and Pasture	Grazing Bundle 5 - Range and Pasture	Ac	\$7.60
B000PST5	Pasture Bundle 5	Pasture Bundle #5	Ac	\$83.95
B000PSTX	Pasture Bundle #6 - Pasture	Pasture Bundle #6	Ac	\$108.27
B000RNG4	Range Bundle 4	Range Bundle #4	Ac	\$117.53
E199A	Comprehensive Conservation Plan	Single Enterprise-Low	No	\$6,973.42
E199A	Comprehensive Conservation Plan	Basic Comprehensive Conservation Plan-One Land Use	No	\$2,516.72
E199A	Comprehensive Conservation Plan	Comprehensive Conservation Plan on 2 or more Land Use	No	\$3,360.52
E199A	Comprehensive Conservation Plan	Comprehensive Conservation Plan for Operation with > 2 land uses and 2 or more resource concerns	No	\$3,782.42
E199A	Comprehensive Conservation Plan	Multiple Enterprise-High	No	\$14,422.24
E199A	Comprehensive Conservation Plan	Multiple Enterprise-Medium	No	\$12,496.94
E199A	Comprehensive Conservation Plan	Single Enterprise-Medium	No	\$9,075.58
E199A	Comprehensive Conservation Plan	Single Enterprise-High	No	\$11,238.58
E300EAP1	Existing Activity Payment-Land Use	CSP EAP Pasture	Ac	\$3.00
E300EAP1	Existing Activity Payment-Land Use	CSP EAP AAL	Ac	\$0.50
E300EAP1	Existing Activity Payment-Land Use	CSP EAP NIPF	Ac	\$0.50
E300EAP1	Existing Activity Payment-Land Use	CSP EAP Range	Ac	\$1.00
E300EAP1	Existing Activity Payment-Land Use	CSP EAP Cropland and Farmstead	Ac	\$7.50
E300EAP2	Existing Activity Payment-Resource Concern	CSP EAP RC met at time of enrollment	No	\$300.00
E314A	Brush management to improve wildlife habitat	SU-Brush management to improve wildlife habitat	Ac	\$34.91
E314A	Brush management to improve wildlife habitat	Brush management to improve wildlife habitat	Ac	\$23.27
E315A	Herbaceous weed treatment to create plant communities consistent with the ecological site	SU-Herbaceous weed treatment to create plant communities consistent with the ecological site	Ac	\$20.22
E315A	Herbaceous weed treatment to create plant communities consistent with the ecological site	Herbaceous weed treatment to create plant communities consistent with the ecological site	Ac	\$13.48
E327A	Conservation cover for pollinators and beneficial insects	Conservation cover for pollinators and beneficial insects	Ac	\$513.48
E327B	Establish Monarch butterfly habitat	Establish Monarch butterfly habitat	Ac	\$862.00
E328A	Resource conserving crop rotation	SU-Resource conserving crop rotation	Ac	\$28.19

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E328B	Improved resource conserving crop rotation	SU-Improved resource conserving crop rotation	Ac	\$10.07
E328C	Conservation crop rotation on recently converted CRP grass/legume cover	Conservation crop rotation on recently converted CRP grass/legume cover for water erosion	Ac	\$4.03
E328D	Leave standing grain crops unharvested to benefit wildlife	Leave standing grain crops unharvested to benefit wildlife	Ac	\$4.91
E328E	Soil health crop rotation	Soil health crop rotation	Ac	\$6.71
E328F	Modifications to improve soil health and increase soil organic matter	Modifications to improve soil health and increase soil organic matter	Ac	\$2.66
E328G	Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement	Crop rotation on recently converted CRP grass/legume cover for soil organic matter improvement	Ac	\$6.71
E328H	Conservation crop rotation to reduce the concentration of salts	Conservation crop rotation to reduce the concentration of salts	Ac	\$5.37
E328I	Forage harvest to reduce water quality impacts by utilization of excess soil nutrients	Forage harvest to reduce water quality impacts by utilization of excess soil nutrients	Ac	\$6.18
E328J	Improved crop rotation to provide benefits to pollinators	Improved crop rotation to provide benefits to pollinators	Ac	\$107.38
E328K	Multiple crop types to benefit wildlife	Multiple crop types to benefit wildlife	Ac	\$6.71
E328L	Leaving tall crop residue for wildlife	Leaving tall crop residue for wildlife	Ac	\$13.42
E328M	Diversify crop rotation with canola or sunflower to provide benefits to pollinators	Diversify crop rotation with canola or sunflower to provide benefits to pollinators	Ac	\$13.42
E328N	Intercropping to Improve Soil Health	Intercropping to improve soil health	Ac	\$6.71
E328O	Perennial Grain Conservation Crop Rotation	Perennial Grain Rotation	Ac	\$185.15
E328P	Low Nitrogen Requirement Annual Crop Rotation	Low Nitrogen Requirement Annual Crop Rotation	Ac	\$34.03
E329A	No till to reduce soil erosion	No till to reduce soil erosion	Ac	\$4.03
E329B	No till to reduce tillage induced particulate matter	No till to reduce tillage induced particulate matter	Ac	\$4.03
E329C	No till to increase plant-available moisture	No till to increase plant-available moisture	Ac	\$4.03
E329D	No till system to increase soil health and soil organic matter content	No till system to increase soil health and soil organic matter content	Ac	\$5.37
E329E	No till to reduce energy	No till to reduce energy	Ac	\$5.37
E334A	Controlled traffic farming to reduce compaction	Controlled traffic farming to reduce compaction	Ac	\$10.07
E340A	Cover crop to reduce soil erosion	Cover crop to reduce soil erosion	Ac	\$9.80
E340B	Intensive cover cropping to increase soil health and soil organic matter content	Intensive cover cropping to increase soil health and soil organic matter content	Ac	\$17.67

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E340C	Use of multi-species cover crops to improve soil health and increase soil organic matter	Use of multi-species cover crops to improve soil health and increase soil organic matter	Ac	\$15.56
E340D	Intensive orchard/vineyard floor cover cropping to increase soil health	Intensive orchard/vineyard floor cover cropping to increase soil health	Ac	\$15.56
E340E	Use of soil health assessment to assist with development of cover crop mix to improve soil health	Use of soil health assessment to assist with development of cover crop mix to improve soil health	Ac	\$4.67
E340F	Cover crop to minimize soil compaction	Cover crop to minimize soil compaction	Ac	\$14.94
E340G	Cover crop to reduce water quality degradation by utilizing excess soil nutrients	Cover crop to reduce water quality degradation by utilizing excess soil nutrients	Ac	\$14.94
E340H	Cover crop to suppress excessive weed pressures and break pest cycles	Cover crop to suppress excessive weed pressures and break pest cycles	Ac	\$15.56
E340I	Using cover crops for biological strip till	Using cover crops for biological strip till	Ac	\$17.44
E345A	Reduced tillage to reduce soil erosion	Reduced tillage to reduce soil erosion	Ac	\$5.37
E345B	Reduced tillage to reduce tillage induced particulate matter	Reduced tillage to reduce tillage induced particulate matter	Ac	\$4.03
E345C	Reduced tillage to increase plant-available moisture	Reduced tillage to increase plant-available moisture	Ac	\$4.03
E345D	Reduced tillage to increase soil health and soil organic matter content	Reduced tillage to increase soil health and soil organic matter content	Ac	\$5.37
E345E	Reduced tillage to reduce energy use	Reduced tillage to reduce energy use	Ac	\$4.03
E373A	Dust suppressant re-application for stabilization	Dust Suppressant Re-application, Once per Year	SqFt	\$0.33
E376A	Modify field operations to reduce particulate matter	Modify field operations to reduce particulate matter	Ac	\$4.03
E381A	Silvopasture to improve wildlife habitat	Silvopasture to improve wildlife habitat	Ac	\$74.08
E382A	Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources	SU-Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources	Ft	\$0.27
E382A	Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources	Incorporating "wildlife friendly" fencing for connectivity of wildlife food resources	Ft	\$0.18
E382B	Installing electrical fence offsets and wire for cross-fencing to improve grazing management	SU-Installing electrical fence offsets and wire for cross-fencing to improve grazing management	Ft	\$0.95
E382B	Installing electrical fence offsets and wire for cross-fencing to improve grazing management	Installing electrical fence offsets and wire for cross-fencing to improve grazing management	Ft	\$0.63
E383A	Grazing-maintained fuel break to reduce the risk of fire	Grazing-maintained fuel break to reduce the risk of fire	Ac	\$340.11
E384A	Biochar production from woody residue	Biochar production from woody residue	Ac	\$5,536.11

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E386A	Enhanced field borders to reduce soil erosion along the edge(s) of a field	Enhanced field borders to reduce soil erosion along the edge(s) of a field	Ac	\$670.71
E386B	Enhanced field borders to increase carbon storage along the edge(s) of the field	Enhanced field borders to increase carbon storage along the edge(s) of the field	Ac	\$758.66
E386C	Enhanced field borders to decrease particulate emissions along the edge(s) of the field	Enhanced field borders to decrease particulate emissions along the edge(s) of the field	Ac	\$690.18
E386D	Enhanced field borders to increase food for pollinators along the edge(s) of a field	Enhanced field borders to increase food for pollinators along the edge(s) of a field	Ac	\$758.66
E386E	Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	Enhanced field borders to increase wildlife food and habitat along the edge(s) of a field	Ac	\$758.66
E390A	Increase riparian herbaceous cover width for sediment and nutrient reduction	Increase riparian herbaceous cover width for sediment and nutrient reduction	Ac	\$557.85
E390B	Increase riparian herbaceous cover width to enhance wildlife habitat	Increase riparian herbaceous cover width to enhance wildlife habitat	Ac	\$390.62
E391A	Increase riparian forest buffer width for sediment and nutrient reduction	Increase riparian forest buffer width for sediment and nutrient reduction	Ac	\$2,346.18
E391B	Increase stream shading for stream temperature reduction	Increase stream shading for stream temperature reduction	Ac	\$2,379.80
E391C	Increase riparian forest buffer width to enhance wildlife habitat	Increase riparian forest buffer width to enhance wildlife habitat	Ac	\$2,379.80
E393A	Extend existing filter strip to reduce water quality impacts	Extend existing filter strip to reduce water quality impacts	Ac	\$1,027.12
E399A	Fishpond management for native aquatic and terrestrial species	Fishpond management for native aquatic and terrestrial species	Ac	\$1,488.54
E412A	Enhance a grassed waterway	Waterway, reshape/extend/widen	Ac	\$4,126.69
E420A	Establish pollinator habitat	Establish Pollinator Habitat	Ac	\$510.11
E420B	Establish monarch butterfly habitat	Establish Monarch Habitat	Ac	\$862.00
E447A	Advanced Tailwater Recovery	Advanced Tailwater Recovery	Ac	\$9.51
E449A	Complete pumping plant evaluation for water savings	Complete pumping plant evaluation for water savings	No	\$4,767.52
E449B	Alternated Wetting and Drying (AWD) of rice fields	Alternated Wetting and Drying (AWD) of rice fields	Ac	\$41.83
E449C	Advanced Automated IWM - Year 2-5, soil moisture monitoring	Advanced Automated IWM - Year 2-5, soil moisture monitoring	Ac	\$26.55
E449D	Advanced Automated IWM - Year 1, Equipment and soil moisture or water level monitoring	Advanced Automated IWM - Year 1, Equipment and soil moisture or water level monitoring	Ac	\$59.84

Code	Practice	Component	Units	Unit Cost
E449E	Convert from Cascade to Furrow Irrigated Rice Production - reduce irrigation water consumption	Convert from Cascade to Furrow Irrigated Rice Production – reduce irrigation water consumption	Ac	\$59.02
E449F	Intermediate IWM - Year 1, Equipment with Soil or Water Level monitoring	Intermediate IWM - Year 1, Equipment with Soil moisture or Water Level monitoring	Ac	\$45.40
E449G	Intermediate IWM - Years 2-5, Soil or Water Level monitoring	Intermediate IWM - Years 2-5, Soil Moisture or Water Level monitoring	Ac	\$11.54
E449H	Intermediate IWM - Years 2 -5, using soil moisture or water level monitoring	Intermediate IWM - Years 2 - 5, using soil moisture or water level monitoring	Ac	\$54.71
E449I	Sprinkler Irrigation Equipment Retrofit	IWM - Year 1, Retrofit Equipment with Speed Control on Sprinkler Irrigation	No	\$1,988.86
E449J	Intermediate IWM - 20% Reducing Water Usage	Intermediate IWM - 20% Reduced Water Usage	Ac	\$42.62
E472A	Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water	SU-Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water	Ft	\$4.74
E472A	Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water	Manage livestock access to waterbodies to reduce nutrients or pathogens to surface water	Ft	\$3.16
E484A	Mulching to improve soil health	Mulching to improve soil health	Ac	\$2.68
E484B	Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch	Reduce particulate matter emissions by using orchard or vineyard generated woody materials as mulch	Ac	\$20.15
E484C	Mulching with natural materials in specialty crops for weed control	Mulching with natural materials in specialty crops for weed control	Ac	\$58.37
E511A	Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape	Harvest of crops (hay or small grains) using measures that allow desired species to flush or escape	Ac	\$5.05
E511B	Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity	SU-Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity	Ac	\$6.35
E511B	Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity	Forage harvest management that helps maintain wildlife habitat cover, shelter or continuity	Ac	\$4.23
E511C	Forage testing for improved harvesting methods and hay quality	Hay quality record keeping for livestock producers	No	\$158.14
E511D	Forage Harvest Management to Improve Terrestrial Habitat for Wildlife during Over-Winter Periods	Forage Harvest Management Overwinter	Ac	\$27.92
E512A	Cropland conversion to grass-based agriculture to reduce soil erosion	Cropland conversion to grass-based agriculture to reduce soil erosion	Ac	\$10.18
E512B	Forage and biomass planting to reduce soil erosion or increase organic matter to build soil health	Forage and biomass planting to reduce soil erosion or increase organic matter to build soil health	Ac	\$26.48

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E512C	Cropland conversion to grass for soil organic matter improvement	Cropland conversion to grass for soil organic matter improvement	Ac	\$15.13
E512D	Forage plantings that help increase organic matter in depleted soils	Forage plantings that help increase organic matter in depleted soils	Ac	\$13.87
E512E	Forage and biomass planting that produces feedstock for biofuels or energy production.	Forage and biomass planting that produces feedstock for biofuels or energy production.	Ac	\$66.14
E512I	Establish pollinator and/or beneficial insect and/or monarch habitat	Establish pollinator and/or beneficial insect and/or monarch habitat	Ac	\$29.72
E512J	Establish wildlife corridors to provide habitat continuity or access to water	Establish wildlife corridors to provide habitat continuity or access to water	Ac	\$17.47
E512L	Diversifying Forage Base with Interseeding Forbs and Legumes to Increase Pasture Quality	Diversifying forage base with interseeding forbs and legumes to increase pasture quality.	Ac	\$84.64
E512M	Forage Plantings that Improve Wildlife Habitat Cover and Shelter or Structure and Composition	Forage plantings that improve wildlife habitat cover and shelter or structure and composition	Ac	\$53.99
E528A	Maintaining quantity and quality of forage for animal health and productivity	Maintaining quantity and quality of forage for animal health and productivity	Ac	\$4.37
E528B	Grazing management that improves monarch butterfly	Grazing management that improves monarch butterfly habitat	Ac	\$11.53
E528C	Incorporating wildlife refuge areas in contingency plans for wildlife.	Incorporating wildlife refuge areas in contingency plans for wildlife.	Ac	\$18.79
E528D	Grazing management for improving quantity and quality of food or cover and shelter for wildlife	Grazing management for improving quantity and quality of food or cover and shelter for wildlife	Ac	\$0.66
E528E	Improved grazing management for enhanced plant structure and composition for wildlife	Improved grazing management for enhanced plant structure and composition for wildlife	Ac	\$2.76
E528F	Stockpiling cool season forage to improve structure and composition or plant productivity and health	Stockpiling cool season forage to improve structure and composition or plant productivity and health	Ac	\$38.80
E528G	Improved grazing management on pasture for plant productivity and health with monitoring activities	Improved grazing management on pasture for plant productivity and health with monitoring activities	Ac	\$9.95
E528H	Prescribed grazing to improve/maintain riparian and watershed function-elevated water temperature	Prescribed grazing to improve/maintain riparian and watershed function-elevated water temperature	Ac	\$1.94
E528I	Grazing management that protects sensitive areas -surface or ground water from nutrients	Grazing management that protects sensitive areas -surface or ground water from nutrients	Ac	\$2.12
E528J	Prescribed grazing on pastureland that improves riparian and watershed function	Prescribed grazing on pastureland that improves riparian and watershed function	Ac	\$18.06

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E528L	Prescribed grazing that improves or maintains riparian and watershed function-erosion	Prescribed grazing that improves or maintains riparian and watershed function-erosion	Ac	\$11.91
E528M	Grazing management that protects sensitive areas from gully erosion	Grazing management that protects sensitive areas from gully erosion	Ac	\$1.94
E528N	Improved grazing management through monitoring activities	Improved grazing management through monitoring activities	Ac	\$2.43
E528O	Clipping mature forages to set back vegetative growth for improved forage quality	Clipping mature forages to set back vegetative growth for improved forage quality	Ac	\$40.90
E528P	Implementing Bale or Swath Grazing to increase organic matter and reduce nutrients in surface water	Implementing bale or swath grazing to increase organic matter or reduce nutrients in surface water	Ac	\$168.90
E528Q	Use of body condition scoring for livestock on a monthly basis to keep track of herd health	Use of body condition scoring for livestock on a monthly basis to keep track of herd health	Ac	\$1.78
E528R	Management Intensive Rotational Grazing	Management Intensive Rotational Grazing	Ac	\$50.50
E528S	Soil Health Improvements on Pasture	Soil health improvements on pasture	Ac	\$10.65
E528T	Grazing to Reduce Wildfire Risk on Forests	Improved grazing management for reduction of wildfire risks on Western forests	Ac	\$1.55
E533A	Advanced Pumping Plant Automation	Advanced Pumping Plant Automation	No	\$8,482.07
E533B	Complete pumping plant evaluation for energy savings	Complete pumping plant evaluation for energy savings	No	\$4,767.52
E533C	Install VFDs on pumping plants	Install variable frequency drive on pump	No	\$7,298.23
E533D	Switch fuel source for pumps	Switch fuel source for pumps	No	\$11,308.40
E550A	Range planting for increasing/maintaining organic matter	Range planting for increasing/maintaining organic matter	Ac	\$43.86
E550B	Range planting for improving forage, browse, or cover for wildlife	Range planting for improving forage, browse, or cover for wildlife	Ac	\$20.35
E570A	Enhanced rain garden for wildlife	Enhanced rain garden for wildlife	SqFt	\$0.23
E578A	Stream crossing elimination	Stream crossing elimination	No	\$9,966.62
E580A	Stream corridor bank stability improvement	Stream corridor bank stability improvement	Ac	\$2,599.85
E580B	Stream corridor bank vegetation improvement	Stream corridor bank vegetation improvement	Ac	\$2,599.85
E590A	Improving nutrient uptake efficiency and reducing risk of nutrient losses	Improving nutrient uptake efficiency and reducing risk of nutrient losses	Ac	\$13.67
E590B	Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies	Reduce risks of nutrient loss to surface water by utilizing precision agriculture technologies	Ac	\$17.50
E590C	Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture	SU-Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture	Ac	\$31.49

<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E590C	Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture	Improving nutrient uptake efficiency and reducing risk of nutrient losses on pasture	Ac	\$20.99
E590D	Reduce nutrient loss by increasing setback awareness via precision technology for water quality	Reduce risks of nutrient losses to surface and groundwater by increasing setback awareness via precision technology	Ac	\$14.36
E595A	Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques	Reduce risk of pesticides in surface water by utilizing precision pesticide application techniques	Ac	\$13.56
E595B	Reduce risk of pesticides in water and air by utilizing IPM PAMS techniques	Reduce risk of pesticides in water and air by utilizing IPM PAMS techniques	Ac	\$9.04
E595D	Increase the size requirement of refuges planted to slow pest resistance to Bt crops	Increase the size requirement of refuges planted to slow pest resistance to Bt crops	Ac	\$19.24
E595E	Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles	SU-Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles	Ac	\$10.95
E595E	Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles	Eliminate use of chemical treatments to control pests and to increase the presence of dung beetles	Ac	\$7.30
E595F	Improving Soil Organism Habitat on Agricultural Land	Improving soil organism habitat on agricultural land	Ac	\$13.42
E595G	Reduced resistance risk by utilizing PAMS techniques	Reduced resistance risk by utilizing PAMS techniques	Ac	\$18.13
E612B	Planting for high carbon sequestration rate	Planting for high carbon storage rate	Ac	\$843.86
E612C	Establishing tree/shrub species to restore native plant communities	Establishing tree/shrub species to restore native plant communities	Ac	\$1,086.19
E612D	Adding food-producing trees and shrubs to existing plantings	Adding food-producing trees and shrubs to existing plantings	Ac	\$254.55
E612E	Cultural plantings	Cultural plantings	Ac	\$2,215.19
E612F	Sugarbush management	Sugarbush management	Ac	\$979.50
E612G	Tree/shrub planting for wildlife food	Tree/shrub planting for wildlife food	Ac	\$2,585.15
E643A	Restoration of sensitive coastal vegetative communities	Restoration of sensitive coastal vegetative communities	No	\$159.19
E645A	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	SU-Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	No	\$95.60
E645A	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	Reduction of attractants to human-subsidized predators in sensitive wildlife species habitat	No	\$63.73
E645B	Manage existing shrub thickets to provide adequate shelter for wildlife	Manage existing shrub thickets to provide adequate shelter for wildlife	Ac	\$377.29
E645C	Edge feathering for wildlife cover	Edge feathering for wildlife cover	Ac	\$1,036.91



<b>Code</b>	<b>Practice</b>	<b>Component</b>	<b>Units</b>	<b>Unit Cost</b>
E646A	Close structures to capture and retain rainfall for waterfowl and wading bird winter habitat	Close structures to capture and retain rainfall for waterfowl and wading bird winter habitat	Ac	\$34.34
E646B	Extend retention of captured rainfall for migratory waterfowl and wading bird late winter habitat	Extend retention of captured rainfall for migratory waterfowl and wading bird late winter habitat	Ac	\$40.72
E646C	Manipulate vegetation and maintain closed structures for shorebirds mid-summer habitat	Manipulate vegetation and maintain closed structures for shorebirds mid-summer habitat	Ac	\$62.02
E646D	Manipulate vegetation and maintain closed structures for shorebird late summer habitat	Manipulate vegetation and maintain closed structures for shorebird late summer habitat	Ac	\$69.04
E647A	Manipulate vegetation on fields with captured rainfall for waterfowl & wading bird winter habitat	Manipulate vegetation on fields with captured rainfall for waterfowl & wading bird winter habitat	Ac	\$25.55
E647C	Maintain most soil vegetation on cropland edges to enhance waterfowl and shorebird habitat	Maintain most soil vegetation on cropland edges to enhance waterfowl and shorebird habitat	Ac	\$10.64
E647D	Establish and maintain early successional habitat in ditches and bank borders	Establish and maintain early successional habitat in ditches and bank borders	Ac	\$10.64
E666A	Maintaining and improving forest soil quality	Maintaining and improving forest soil quality	Ac	\$51.57
E666D	Forest management to enhance understory vegetation	Forest management to enhance understory vegetation	Ac	\$297.39
E666E	Reduce height of the forest understory to limit wildfire risk	Reduce height of the forest understory to limit wildfire risk	Ac	\$297.39
E666F	Reduce forest stand density to create open stand structure	Reduce forest stand density to create open stand structure	Ac	\$338.40
E666G	Reduce forest density and manage understory along roads to limit wildfire risk and improve habitat	Reduce forest density and manage understory along roads to limit wildfire risk and improve habitat	Ac	\$354.63
E666H	Increase on-site carbon storage	Increase on-site carbon storage	Ac	\$17.45
E666I	Crop tree management for mast production	Crop tree management for mast production	Ac	\$425.69
E666J	Facilitating oak forest regeneration	Facilitating oak forest regeneration	Ac	\$662.39
E666K	Creating structural diversity with patch openings	Creating structural diversity with patch openings	Ac	\$698.12
E666L	Forest Stand Improvement to rehabilitate degraded hardwood stands	Forest Stand Improvement to rehabilitate degraded hardwood stands	Ac	\$595.99
E666O	Snags, den trees, and coarse woody debris for wildlife habitat	Snags, den trees, and coarse woody debris for wildlife habitat	Ac	\$64.92
E666P	Summer roosting habitat for native forest-dwelling bat species	Summer roosting habitat for native forest-dwelling bat species	Ac	\$242.59
E666R	Forest songbird habitat maintenance	Forest songbird habitat maintenance	Ac	\$246.89