

FY '08 EQIP PAYMENT SCHEDULE NOTES

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
313	Waste Storage Facility	Stacking Facility	No.	CF	<ul style="list-style-type: none"> Cost per cubic feet of nominal total structure capacity (H x W x L) 3-sided concrete facility with concrete floor assumed. Includes all excavation, gravel, and earthfill for construction 5 months storage used as average situation Other associated practices not included: drainage for walls (606), fence (382), seeding (342). Add these practices separately as needed. 	
		Concrete Liquid Storage	No.	CF	<ul style="list-style-type: none"> Cost per cubic feet of nominal total structure capacity (H x W x L) 4-sided concrete facility with concrete floor assumed. Includes all excavation, gravel, and earthfill for construction 6 months storage used as average situation Other associated practices not included: drainage for walls (606), fence (382), manure transfer (634), seeding (342). Add these practices separately as needed. 	
		Relocated SlurryStore	No.	CF	<ul style="list-style-type: none"> Cost per cubic feet of nominal total structure capacity Used (approved relocated structure), with foundation, concrete floor, new stainless steel starter ring, side-mount pump. Other associated practices not included: manure transfer (634 - reception pit, pump, and pipe), seeding (342). Add these practices separately. 	
		Storage Tank	No.	GAL	<ul style="list-style-type: none"> For use to temporarily store silage leachate, milkhouse wastewater, or other wastewater. Other associated practices not included: manure transfer (634), seeding (342). Add these practices separately. 	
		Roof	No.	SF	<ul style="list-style-type: none"> Cost per square foot of footprint over waste storage facility 	
314	Brush Management	Mowing, Brush-hogging	AC	AC	<ul style="list-style-type: none"> Cost per acre for mowing pasture with a rotary mower to reduce encroachment of woody species and brush. 	<ul style="list-style-type: none"> Practice eligible on pasture – not cropland or hayland
		Light clearing – heavy brush	AC	AC	<ul style="list-style-type: none"> Cost per acre for controlling heavier brush with a Davco mower, chain saw and hand tools 	
317	Compost Facility	Concrete Paving	No.	SF	<ul style="list-style-type: none"> Costs per square foot for reinforced concrete paving, which includes all excavation, fill, and crushed stone. Add seeding (342) separately. 	
		Concrete Paving, Curbs	No.	SF	<ul style="list-style-type: none"> Costs per square foot for reinforced concrete paving, which includes all excavation, fill, and crushed stone. Add seeding (342) separately. Concrete curbs included; combination of normal and drive-over curbs 	

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		Asphalt Paving	No.	SF	<ul style="list-style-type: none"> Costs per square foot for asphalt paving (3" base and 2" top course), which includes all excavation, fill, and crushed stone. Add seeding (342) separately. 	
		Asphalt Paving, Curbs	No.	SF	<ul style="list-style-type: none"> Costs per square foot for asphalt paving (3" base and 2" top course), which includes all excavation, fill, and crushed stone. Add seeding (342) separately. Asphalt curbs included; combination of normal and drive-over curbs 	
		Compacted Gravel Paving	No.	SF	<ul style="list-style-type: none"> Costs per square foot for compacted gravel paving, which includes all excavation, fill, geotextile, crushed stone, and stone dust. Add seeding (342) separately. 	
		Roof	No.	SF	<ul style="list-style-type: none"> Roof cost per square foot of footprint over compost facility 	
328	Conservation Crop Rotation	Rotate Continuous Crop to Hay/crop Rotation	AC	AC	<ul style="list-style-type: none"> For livestock/forage OR vegetable systems Fields are relatively flat and have been in corn continuously forever 	<ul style="list-style-type: none"> Length of rotation into hay must be a minimum of 3 years Planned rotation systems must meet soil tolerance criteria per RUSLE2 One practice payment, paid when rotation goes into hay.
		Rotate Bedstraw-infested Hay to Annual Crops			<ul style="list-style-type: none"> Hayfields infested with smooth bedstraw (>25%) Crop fields may be established with Conventional Tillage or with Residue Management + Chemical control 	
330	Contour Farming	Establishment	AC	AC	<ul style="list-style-type: none"> Cost is incentive payment to establish contour farming. Baseline must be documented. 	<ul style="list-style-type: none"> Incentive Payment (1-3 years) with continued documentation
340	Cover Crop	Summer Cover Crop / Green Manure	AC	AC	<ul style="list-style-type: none"> Summer cover crops are grown throughout the growing season according to Cover Crop (340) Specification Guide Summer cover crops will be plowed down the following spring OR if plowed down, a winter cover crop must be established per CP 340 Specifications. 	<ul style="list-style-type: none"> Incentive Payment (1-3 years) with continued documentation
		Winter Rye w/ Disk Harrow			<ul style="list-style-type: none"> Cover crop must be established by seeding date in the Cover Crop (340) Specification Guide Organic scenarios require certified organic seed 	
		Winter Rye w/ No Till Drill				
		Vetch/Oats w/ Disk Harrow				
		Vetch/Oats w/ No Till Drill				
Organic Winter Rye w/ Disk Harrow						
Organic Winter Rye w/ No Till Drill						
Organic Vetch/Oats w/ Disk Harrow						

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		Organic Vetch/Oats w/ No Till Drill				
342	Critical Area Planting	Field Erosion	AC	AC	<ul style="list-style-type: none"> Severely eroding crop fields protected by permanent vegetation Use farm equipment to disk plow, harrow, seed and spread lime/fertilizer Manual labor to spread mulch Seeding Mix #5 - Specification Guide (cool season grasses) 	
		Disturbed Areas	AC	AC	<ul style="list-style-type: none"> For construction sites, disturbed areas, or steep eroding banks Small bulldozer used to prepare site and track seed Includes material and hand labor for lime, fertilizer, seed and mulch Seeding Mix #4 - Specification Guide (warm/cool season grass mix) 	
		Spoil Banks	AC	AC	<ul style="list-style-type: none"> Spoil banks, low embankments, sand/gravel pits, steep slopes, roadsides Small bulldozer used to prepare site and track seed Includes material and hand labor for lime, fertilizer, seed and mulch Seeding Mix #3 - Specification Guide (excessively droughty/low pH soils) 	
		Manual Herbaceous Seeding	AC	AC	<ul style="list-style-type: none"> Steep eroding bank where conventional equipment cannot be used Hand tools and labor to prepare site, lime, fertilize, seed and mulch Attractive, low-maintenance herbaceous seeding mixture (Mix #10) 	
		Tree & Shrub Establishment	AC	AC	<ul style="list-style-type: none"> Steep eroding bank (25+% slopes) Hand tools and labor to prepare site, lime, fertilize, plant, seed and mulch Wattles used at an offset of 10 feet Live stakes used at 8 feet on center to hold wattles in place Low rate grass seeding (conservation mix/oats) to help establish site 	
350	Sediment Basin	Settling Facility, Concrete	No.	CF	<ul style="list-style-type: none"> For Ag waste purpose; Used primarily for barnyard runoff to settle solids prior to discharge to treatment strip Cost per cubic feet of nominal total structure capacity. Use Excel Barnyard Settling Facility Design worksheet (in WWTS workbook) to size facility. Includes screen box and filter Other associated practices not included: manure transfer (634), seeding (342). Add these practices separately. 	

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356	Dike	Cranberry Dike, mineral soils	Ft.	LF	<ul style="list-style-type: none"> Cranberry dikes located over predominately mineral foundation soils, where little settlement is anticipated. Includes all work need to construct the dike. Add Seeding (342) separately. 	
		Cranberry Dike, organic soils	Ft.	LF	<ul style="list-style-type: none"> Cranberry dikes on organic soils where significant settlement is expected. 	
362	Diversion	Diversion	Ft.	LF	<ul style="list-style-type: none"> Includes all excavation and earthfill needed to construct the diversion. Does not include underground outlet and riser (620), subsurface drainage(606), and seeding (342). Add these practices separately. 	
366	Anaerobic Digester (Controlled Temp)	System size	No.	EA	<ul style="list-style-type: none"> Projects will have feasibility study reviewed to determine feasibility and eligible costs prior to contract signing. Appropriate cost range to be selected for the project. 	<ul style="list-style-type: none"> Generator not eligible for payment
378	Pond	Excavated, spread < 300'	No.	CY	<ul style="list-style-type: none"> Excavated ponds only (not embankment ponds) Costs per cubic yard of excavation. Choose the appropriate method of handling the spoil. Add seeding (342) separately 	<ul style="list-style-type: none"> For livestock watering ponds only
		Excavated, hauled & spread on-site	No.	CY		
		Excavated, hauled off-site	No.	CY		
380	Windbreak/ Shelterbelt Establishment	2 – Row Establishment of Trees and Shrubs	LF	LF	<ul style="list-style-type: none"> Assumes 2 rows of plants (1 row of conifer trees and 1 row of deciduous shrubs) to be planted upwind of Headquarters 	
382	Fence	Chain Link	LF	LF	<ul style="list-style-type: none"> Permanent barrier fence constructed around a waste storage facility All materials and fixtures and labor included in price Gates included in price 	<ul style="list-style-type: none"> Safety fence for exclusion from a potentially dangerous area – not for grazing infrastructure
		Barbed Wire	LF	LF	<ul style="list-style-type: none"> Cost assumes 4 strand barbed wire fence and includes all materials and labor including, but not limited to, corners, brace assemblies, posts at 16' spacing and all wire Gates are included in the cost Fence charger is included in cost 	<ul style="list-style-type: none"> Only eligible when used in conjunction with a prescribed grazing system, or when excluding animals from water resources or to protect practices. Boundary or property line fences are ineligible, except as an integral part of a conservation management system such as prescribed grazing that facilitates improved management of grazing land, or protects certain areas from livestock when it is necessary for proper use of the area.
		Woven Wire	LF	LF	<ul style="list-style-type: none"> Cost includes 48" woven wire with one strand of barbed wire on the top and includes all materials and labor including, but not limited to, corners, brace assemblies, posts at 16' spacing and all wire. Gates are included in the cost Fence charger is included in the cost 	

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		High Tensile Electric	LF	LF	<ul style="list-style-type: none"> • Cost includes 3 strand high tensile fence and all materials and labor to install, including, but not limited to, corners, brace assemblies, posts at approximately 35 ft. spacing and all wire. • Gates are included in the cost • Fence charger is included in the cost 	
		High Tensile Non-electric	LF	LF	<ul style="list-style-type: none"> • Cost includes 6 strands high tensile fence and all materials and labor to install, including, but not limited to, corners, brace assemblies, posts at approximately 35 ft. spacing and all wire. • Gates are included in the cost 	
		Board Fence	LF	LF	<ul style="list-style-type: none"> • Cost includes 3 boards and all labor and materials for a fence with 16' post spacing. • Gates are included in the cost 	<ul style="list-style-type: none"> • Eligible for barnyard or safety fence without a prescribed grazing system. • Boundary or property line fence rule is same as above.
386	Field Border	Establishment	LF	AC	<ul style="list-style-type: none"> • Cost for seed, lime, fertilizer, mulch and all labor and equipment to establish field border 	
391	Riparian Forest Buffer	Zones 1 and 2	AC	AC	<ul style="list-style-type: none"> • Located adjacent to and up-gradient from watercourses or water bodies • Minimum widths of zones meet standard • Planted to trees and shrubs at a density of 200 plants per acre. • Trees have protectors 	
		Natural Regeneration	AC	AC	<ul style="list-style-type: none"> • Located adjacent to and up-gradient from watercourses or water bodies • Minimum widths of zones meet standard • Control of invasive plants through mowing, chemical treatment and/or shrub/sapling management 	
410	Grade Stabilization Structure	Pipe Drop Structure	No.	EA	<ul style="list-style-type: none"> • Consists of CMP or HDPE pipe and riser, with associated excavation and earthfill • Add Seeding (342) separately 	
410	Grade Stabilization Structure	Rock Chute Structure	No.	LF	<ul style="list-style-type: none"> • Same price as Lined Waterway. Consists of excavation, filter (sand or geotextile), riprap. Add Seeding (342) separately 	
412	Grassed Waterway	Grass	Ac.	LF	<ul style="list-style-type: none"> • Includes grading and shaping, excavation and fill, seeding, and an erosion control blanket. • Does not include subsurface drainage (606). Add separately if needed. 	

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		Stone Center	Ac.	LF	<ul style="list-style-type: none"> Includes the above costs, but also Includes a stone center, used to handle continuous low flows where vegetation cannot be established due to wetness. The price does not include larger rock for erosion control due to excess velocity, which would be handled under 468, Lined Waterway or Outlet. 	
430DD	Irrigation Water Conveyance	Sprinkler, hi-flow systems	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> Irrigation mainline for higher flow systems, such as center pivot, traveling gun, big gun, and solid set (non-cranberry), where few hydrants are needed (2 or fewer per 1000 ft is assumed) Includes valves, fittings, thrust blocks, and appurtenances 	
		Sprinkler, portable laterals	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> Same as above, except assumes more hydrants (8 per 1000 ft). Use for portable lateral or similar situations where many hydrants are needed. 	
		Microirrigation systems (12 scenarios)	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> Mainline for micro systems 12 scenarios to deal with the type and size of filter required for the project. Use the scenario for the mainline size & length, and the type of filter needed. Costs include manifolds, valves, valve boxes, and appurtenances. 	
		Cranberry, Mainline	Ft.	AC	<ul style="list-style-type: none"> The mainline for a cranberry irrigation system that will achieve the minimum 85% CU. Different cost share rates for systems that meet the minimum criteria for washoff time, and for those systems that meet the higher criteria for washoff time. Includes all materials and labor to install the mainline. Sand filters for cranberry irrigation systems are covered under Irrigation System, Sprinkler (442) 	
		Cranberry Mainline Retrofit	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> Prices for different sized mainlines brought into the bog to improve washoff times. Different cost share rates for meeting minimum vs. higher criteria for washoff time. 	<ul style="list-style-type: none"> Item for Washoff time Retrofits for the purpose of reducing washoff times is eligible for systems not previously cost-shared under EQIP (1998-present).
		TW Recovery Conveyance	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> Prices for different sized mainlines to convey water from bogs to TW Recovery pond. 	
436	Irrigation Storage Reservoir (Pit)	Excavated, spread < 300'	No. & Ac-Ft	CY	<ul style="list-style-type: none"> Excavated ponds only (not embankment ponds) Costs per cubic yard of excavation. Choose the appropriate method of handling the spoil. 	
		Excavated, hauled & spread on-site		CY		

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		Excavated, hauled off-site		CY	<ul style="list-style-type: none"> Add seeding (342) separately 				
441	Irrigation System, Microirrigation	Orchards, conversion to microirrigation	No. & Ac.	AC	<ul style="list-style-type: none"> Conversion of irrigation system to improve system efficiency (water conservation). For durable laterals in the field (not disposable tape). Mainlines, submains, filters, valves, manifolds, etc. covered under 430DD Separate price for orchards and vegetables to account for crop spacing. 				
		Vegetables, conversion, durable laterals	No. & Ac.	AC					
		Greenhouse, Microirrigation conversion	No. & Ac.	SF			<ul style="list-style-type: none"> Priced by square foot of irrigated area for greenhouse irrigation conversion 		
442	Irrigation System, Sprinkler	Cranberry Systems <ul style="list-style-type: none"> Swap Heads Retrofit Retrofit with filter Replacement Replacement with filter 	No. & Ac.	AC	<ul style="list-style-type: none"> Cranberry systems; priced by the acre <ul style="list-style-type: none"> <u>Minimum criteria:</u> CU ≥ 85%, DU ≥ 76%, SC ≤ 1.3, Min in/hr ≥ 0.095, Mean in/hr ≤ 0.25 <u>Higher criteria:</u> CU ≥ 87%, DU ≥ 78%, SC ≤ 1.2, Min in/hr ≥ 0.095, Mean in/hr ≤ 0.18 Prices include cost of the risers, heads, and nozzles. Head replacement and retrofitting heads & laterals require that the system meets the minimum criteria in the 442 standard plus minimum criteria for washoff time. Sand filter generally required for pop-up heads 	<ul style="list-style-type: none"> Cost share only eligible for systems not previously cost-shared under EQIP (1998-present). 			
		Low Pressure (Center Pivot, Lateral Move)					No. & Ac.	AC	<ul style="list-style-type: none"> For conversion to low-pressure center pivot or lateral move systems for improvement of irrigation system efficiency
		Renozzle Existing Center Pivot to Low Pressure					No. & Ac.	LF	<ul style="list-style-type: none"> Cost for renozzling existing center pivots or lateral move systems to low pressure nozzles.
443	Irrigation System, Surface & Sub-surface	Greenhouse Closed Irrigation System	No. & Ac.	SF	<ul style="list-style-type: none"> For Closed (zero-runoff) irrigation systems in greenhouses 				
447	Irrigation Tailwater Recovery	Excavated, spread < 300'	No.	CY	<ul style="list-style-type: none"> For water quantity and/or water quality benefits. Generally involves excavation of a new pond, or enlargement of an existing area to store water for reuse. Lift pump – see Pumping plant (533) Pipe to convey water to TW pond - see 430DD (TW Recovery Conveyance) 	<ul style="list-style-type: none"> Payment allowed for excavation up to the required storage volume for water recovery and re-use. No payment for hauling material off-site 			
		Excavated, hauled & spread on-site	No.	CY					
449	Irrigation Water Management	Cranberry Auto-Start System	Ac.	EA	<ul style="list-style-type: none"> Installation of a cranberry automation system to automate frost control irrigations. Consists of pump upgrades, control box, solar power, 				

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					temperature probes for bog, and other appurtenances.	
466	Land Smoothing	Cranberry Bog, Land Smoothing	Ac.	AC	<ul style="list-style-type: none"> Leveling of the bog during bog renovation to reduce water needs for flooding. 	<ul style="list-style-type: none"> Eligible for payment once per bog
468	Lined Waterway or Outlet	Riprap Lined	Ft.	LF	<ul style="list-style-type: none"> Includes grading and shaping, excavation and fill, delivery and installation of rock riprap, including filter (sand or geotextile). This price is for rock riprap required to resist excess velocity, and not for stone center waterways, which are installed due to wetness. See Grassed Waterways (412),, for stone centered waterways. Add seeding (342) separately 	
512	Pasture and Hayland Planting	Rotate Continuous Crops to Hay/Crop Rotation	AC	AC	<ul style="list-style-type: none"> Only for livestock forage systems Conservation Crop Rotation (328) should also be planned 	<ul style="list-style-type: none"> Length of rotation into hay must be a minimum of 3 years Planned rotation systems must meet soil tolerance criteria per RUSLE2
		Convert Continuous Crops to Permanent Hay			<ul style="list-style-type: none"> Assumes that crop land is being converted to hay or pasture 	<ul style="list-style-type: none"> Field must have Hay or Pasture landuse for length of contract
		Establish Warm season Grasses for Wildlife			<ul style="list-style-type: none"> Assumes that crop land is being converted to wildlife 	<ul style="list-style-type: none"> Upland Wildlife Habitat Management (645) must also be planned
		No Till Establishment of Warm season Grasses for Wildlife			<ul style="list-style-type: none"> Assumes that crop land is being converted to wildlife 	<ul style="list-style-type: none"> Field may not be harvested until after August 1st
		No Till Renovation of Cool season Pasture or Hayland				
		Frost Seeding for Pasture Rejuvenation				<ul style="list-style-type: none"> Rates for frost seeding legumes and timothy are located in the Pasture and Hayland Planting (512) Specification Guide
516	Pipeline	Pipeline, Buried	Ft.	LF	<ul style="list-style-type: none"> Includes pipe, hydrants, air valves, drain valve Refer to other practices for components making up a complete livestock watering system: spring development (574), watering facility (614), pumping plant (533) 	<ul style="list-style-type: none"> Eligible for Livestock Watering
		Pipeline, Above Ground	Ft.	LF	<ul style="list-style-type: none"> Includes pipe only (material and installation) 	
521	Pond Sealing or Lining	Flexible Membrane	No.	SF	<ul style="list-style-type: none"> Used for water quality purposes, generally ag-waste related. Includes liner, geotextile and installation. 	
528	Prescribed Grazing	Implementation	AC	AC	<ul style="list-style-type: none"> Cost is incentive payment to implement a grazing system, and is eligible for 3 years of payment. 	<ul style="list-style-type: none"> At least 75% of livestock forage needs must be available (based on forage animal balance)

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533	Pumping Plant	Centrifugal Pump & Motor	No.	BHP	<ul style="list-style-type: none"> Centrifugal pumping plants for irrigation (irrigation or livestock watering) priced by the Brake horsepower (BHP), which is the horsepower demand of the pump (based on gpm, tdh, and pump efficiency) Two price ranges for ≤ 5 hp and > 5hp 	<ul style="list-style-type: none"> For manure and wastewater pumps, refer to Manure Transfer
		Submersible Pump	No.	BHP	<ul style="list-style-type: none"> Submersible pumps for wells, including motor, priced by BHP as above. Two price ranges for ≤ 3 hp and > 3 hp 	
		Cranberry, Lift Pump, TW Recovery	No.	EA	<ul style="list-style-type: none"> Lift pumps for cranberry tailwater recovery priced each (one price for all sizes) 	
		Solar / Wind Pump for Livestock Watering	No.	EA	<ul style="list-style-type: none"> Solar or Wind pumping plants for livestock watering priced for each complete system 	
		Holding Tank, Gravity, Livestock Watering	No.	GAL	<ul style="list-style-type: none"> Used for temporary water storage, generally filled by a pump. Water is delivered from tank to watering facilities by gravity. 	
558	Roof Runoff Structure	Gutters and downspouts	No.	LF	<ul style="list-style-type: none"> Prices per foot, including installation and PVC cattle guard for downspouts For gutters, measure the roof edge distance for the length. The cost per foot includes the downspouts (do not add the length of the downspouts) Refer to Underground Outlet (620) for outlets for downspouts. 	
		Gutters and Drywell	No.	LF	<ul style="list-style-type: none"> Same as gutters and downspouts, but also includes a dry well to serve as an outlet. 	
		French drain	No.	LF	<ul style="list-style-type: none"> Used where gutters not feasible on a building, where cattle are excluded from the drain. The french drain price includes the perforated tubing within the gravel trench. Refer to Underground Outlet (620) for outlets for french drains. 	
560	Access Road	Access Road	Ft.	SF	<ul style="list-style-type: none"> Priced per square foot of road surface. Cost includes excavation, grading and shaping, geotextile, gravel fill for the surface, and culvert to allow flows under the road. 16 ft wide with one 12" culvert per 500 ft of length assumed. Does not include subsurface drain (606) and seeding (342). Add these practices separately as needed. 	<ul style="list-style-type: none"> New access roads are authorized only as part of animal waste management systems. On existing access roads, only erosion control is eligible for compensation.
561	Heavy Use Protection	Concrete Paving	Ac.	SF	<ul style="list-style-type: none"> Costs per square foot for reinforced concrete paving, which includes all excavation, fill, and crushed stone. Add seeding (342) and fence (382) separately. 	

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		Concrete Paving, Curbs	Ac.	SF	<ul style="list-style-type: none"> Costs per square foot for reinforced concrete paving, which includes all excavation, fill, and crushed stone. Concrete curbs on three sides, including two 16 ft drive-over curbs Refer to Wastewater Treatment Strip (635) for slotted curbs associated with barnyards. Add seeding (342) and fence (382) separately. 	
		Concrete Paving, Curbs & Buckwall	Ac.	SF	<ul style="list-style-type: none"> Same as Concrete Paving with Curbs, but also includes a 10 ft long x 4 ft. high reinforced concrete buckwall. Add seeding (342) and fence (382) separately. 	
		Asphalt Paving	Ac.	SF	<ul style="list-style-type: none"> Costs per square foot for asphalt paving (3" base and 2" top course), which includes all excavation, fill, and crushed stone. Add seeding (342) and fence (382) separately. 	
		Asphalt Paving, Curbs	Ac.	SF	<ul style="list-style-type: none"> Costs per square foot for asphalt paving (3" base and 2" top course), which includes all excavation, fill, and crushed stone. Asphalt curbs on three sides, including two 16 ft drive-over curbs Add seeding (342) and fence (382) separately. 	
		Compacted Gravel Paving	Ac.	SF	<ul style="list-style-type: none"> Costs per square foot for compacted gravel paving, which includes all excavation, fill, geotextile, crushed stone, and stone dust. Add seeding (342) and fence (382) separately. 	
		Roof	Ac.	SF	<ul style="list-style-type: none"> Roof cost per square foot of footprint over heavy use area. 	
574	Spring Development	Well Tile	No.	EA	<ul style="list-style-type: none"> Costs for the development of a spring using well tile or spring box, and includes PE tubing collector pipe and plumbing. Refer to Pipeline (516) for the pipe, hydrant, and drain valve; Watering Facility (614) for the trough or tank, and Pumping Plant (533) for pumps. Add seeding (342) separately 	
		Tile Drain	No.	LF	<ul style="list-style-type: none"> Same as above, but using buried PE tubing to collect seeps and deliver to a watering facility. 	
575	Animal Trails and Walkways	Animal Trails & Walkways	Ft.	SF	<ul style="list-style-type: none"> Priced per square foot of road surface. Cost includes excavation, grading and shaping, geotextile, gravel fill for the surface, and culvert to allow flows under the road. 12 ft wide with one 12" culvert per 500 ft of length assumed. Does not include subsurface drain (606) and seeding (342). 	

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578	Stream Crossing	Fords	No.	EA	<ul style="list-style-type: none"> Stream fords priced each, complete, including excavation, fill, geotextile, and armoring. Does not include fence (382) for the cross stream fencing, exclusion fence and gates; and seeding (342). Add these practices separately. 	<ul style="list-style-type: none"> Eligible only for exclusion of animals from a stream; Must be associated with a prescribed grazing system; All necessary permits must be obtained by landowner.
		Culverts, Perennial Stream	No.	SF	<ul style="list-style-type: none"> Priced by the square foot of the travel portion of the crossing, top of bank to top of bank. Culvert(s) assumed to span the stream width to ensure passage of fish and other wildlife, according to MA Stream Crossing requirements. 	
		Culverts, Intermittent Stream	No.	SF	<ul style="list-style-type: none"> Same as perennial streams, except in situations where MA Stream Crossing requirements do not apply. 	
		Bridge	No.	SF	<ul style="list-style-type: none"> Priced by the square foot of the travel portion of the crossing, top of bank to top of bank. 	
580	Streambank and Shoreline Protection	Bioengineering with Rock Toe	Ft.	LF	<ul style="list-style-type: none"> Installation of streambank protection using a riprap toe with wattles and/or live stakes on the slope above the rock. Includes excavation, geotextile, riprap, wattles, live stakes, seeding and erosion control blanket 	
582	Open Channel	Excavated, spread < 300'	Ft.	CY	<ul style="list-style-type: none"> Priced per cubic yard of excavation, based on the method to handle the spoil. 	<ul style="list-style-type: none"> For cranberry by-pass channels
		Excavated, hauled & spread on-site	Ft.	CY	<ul style="list-style-type: none"> Refer to Structure for Water Control(587) and Critical Area Planting (342) for associated practices. 	
		Excavated, hauled off-site	Ft.	CY		
585	Stripcropping	Implementation	AC	AC	<ul style="list-style-type: none"> Layout, installation and maintenance of strips Does not include planting strips – use 328 if a crop rotation is being implemented. 	<ul style="list-style-type: none"> Incentive payment (1-3 years) Strips must be maintained for the life of the practice (5 years).
587	Structure for Water Control	Culvert, ≤ 24" Diameter	No.	Diam. In-Ft	<ul style="list-style-type: none"> Includes excavation and installation of N-12 or CM Pipe Priced by diameter in- feet for ≤ 24" and > 24" diameter 	
		Culvert, > 24" Diameter	No.	Diam. In-Ft	<ul style="list-style-type: none"> Do not add this scenario to Access Roads and Animal Trails since culvert already accounted for in those practices. 	
		PVC, In-line WCS, ≤ 10" barrel	No.	EA	<ul style="list-style-type: none"> PVC structure with stop logs for water level control (for constructed wetland, for example) 	
		PVC, In-line WCS, ≥ 12" barrel	No.	EA		

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
		Cranberry WCS 20 scenarios based on diameter of barrel and riser, and for extra pipe.	No.	EA	<ul style="list-style-type: none"> Aluminum structures for Cranberry bogs, prices including riser, base plate, and side wings. Includes 20 ft of annular aluminum pipe. Includes installation. Scenarios that include 20 ft of extra pipe (beyond the 20 ft included with the structure), for aluminum or HDPE pipe. 	
590	Nutrient Management	Managing Manure, Fertilizer, and Lime	AC	AC	<ul style="list-style-type: none"> Manure/compost is managed along with synthetic fertilizers 	<ul style="list-style-type: none"> Incentive payment (1-3 years)
		Managing Fertilizer and Lime	AC	AC	<ul style="list-style-type: none"> No inputs of manure or compost are utilized, only synthetic fertilizers are managed. 	
		Managing Manure, Fertilizer, and Lime in Certified Organic Systems	AC	AC	<ul style="list-style-type: none"> Assumes landowner has completed organic certification requirements 	
595	Pest Management	Vegetable and Small Fruit—Medium Level IPM	AC	AC	<ul style="list-style-type: none"> Landowner will achieve a rating of “Medium” per UMass IPM Guidesheets for the specific crops grown 	<ul style="list-style-type: none"> Incentive payment (1-3 years)
		Vegetable and Small Fruit—High Level IPM	AC	AC	<ul style="list-style-type: none"> Landowner will achieve a rating of “High” per UMass IPM Guidesheets for the specific crops grown 	
		Orchards—Medium Level IPM	AC	AC	<ul style="list-style-type: none"> Landowner will achieve a rating of “Medium” per UMass IPM Guidesheets for the specific crop 	
		Orchards—High Level IPM	AC	AC	<ul style="list-style-type: none"> Landowner will achieve a rating of “High” per UMass IPM Guidesheets for the specific crops grown 	
		Old Orchard Removal	AC	AC	<ul style="list-style-type: none"> Removal and destruction of old/standard orchard trees Root rake land followed by seedbed preparation Tree destruction may include burning or windrowing One year of annual crops/cover crop to break disease cycles May be replaced by new blocks of dwarf varieties following cover crop 	<ul style="list-style-type: none"> One practice payment Landowner must achieve a rating of “Medium” per UMass IPM Guidesheets for the specific crop
		Cranberry—Medium Level IPM	AC	AC	<ul style="list-style-type: none"> Landowner must achieve a rating of “Medium” per UMass IPM Guidesheets for Cranberry 	<ul style="list-style-type: none"> Incentive payment (1-3 years)
		Cranberry Sanding	AC	AC		<ul style="list-style-type: none"> One practice payment
		Invasive Plants—Chemical Control	AC	AC	<ul style="list-style-type: none"> Treatment of invasive plants with chemicals, and re-treatment if necessary 	<ul style="list-style-type: none"> Payment eligible for 2 years

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
		Deer Fence	AC	AC	<ul style="list-style-type: none"> Assumes documented damage to permanent vegetation (i.e. orchard trees) during establishment; not based on crop production. Assumes 8 ft. high fencing with 4x4 wooden posts; tubular metal gate Fence meets manufacturer's specifications 5-10 year lifespan 	<ul style="list-style-type: none"> Must not be for production purposes only. Landowners must be currently maintaining a rating of "High" per UMass IPM Guidesheets for the specific crop to be fenced One year incentive payment only.
600	Terrace	Terrace	Ft.	LF	<ul style="list-style-type: none"> Includes all excavation and earthfill needed to construct the terrace, including seeding. Refer to Underground Outlet (620) for riser and outlet. Refer to Subsurface Drainage (606) if needed. 	
606	Subsurface Drainage	PE Tubing, Gravel Envelope	Ft.	LF	<ul style="list-style-type: none"> Used in association with other practices to provide better suitability for vegetation, or as a cutoff drain to control seeps. Price listed is for all sizes (price for 6" assumed), with a gravel trench. Refer to Underground Outlet (620) for tubing and outlet pipe to carry the flow to an outlet. 	<ul style="list-style-type: none"> Eligible only if the practice does not alter the hydrology of an existing wetland Eligible only in association with another practice such as waste storage facility, waterway, terrace, Stripcropping, or otherwise approved on a case by case basis.
		PE Tubing, No Envelope	Ft.	LF	<ul style="list-style-type: none"> Used in association with other practices to provide better suitability for vegetation Price listed is for all sizes (price for 6" assumed). Refer to Underground Outlet (620) for tubing and outlet pipe to carry the flow to an outlet. 	
		Footing Drains 3 scenarios for Backfill cases	Ft.	LF	<ul style="list-style-type: none"> Footing drains for behind concrete walls, especially waste storage facilities. Prices based on the backfill soil material, and include PE tubing, sock, crushed stone, and/or filter sand, depending on the backfill case. Refer to the standard drawing for 313 backfill to determine the backfill case 	
614	Watering Facility	Permanent – Tank & foundation	EA	NO	<ul style="list-style-type: none"> Prices for permanent facilities, installed. See pipeline, spring development, and pumping plant for associated practices. 	<ul style="list-style-type: none"> Eligible only as part of a prescribed grazing system
		Moveable tank	EA	NO	<ul style="list-style-type: none"> Prices for moveable tank and all components, installed. See pipeline, spring development, and pumping plant for associated practices 	
		Waterer with Nose Pump	EA	NO	<ul style="list-style-type: none"> Prices for installed nose pump system. See pipeline, spring development, and pumping plant for associated practices. 	

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
620	Underground Outlet	4" to 10" with outlet pipe	Ft.	Diam. In-Ft	<ul style="list-style-type: none"> For outlets of roof runoff and subsurface drains, where no riser is required. Includes PE tubing, outlet pipe, and animal guard. 	
		Surface Drain - riser, pipe, & outlet	Ft.	LF	<ul style="list-style-type: none"> For outlets to terraces, WASCOD, and for surface drainage where a riser is needed. Includes riser assembly (plastic or metal pipe), non-perforated PE tubing, PVC or CMP outlet pipe, and flap-type animal guard. 	
		Surface Drain – catch basin, < 12" pipe	Ft.	LF	<ul style="list-style-type: none"> For surface drainage. Includes catch basin, non-perforated PE tubing, PVC outlet pipe, and flap-type animal guard. 	
		Surface Drain – catch basin, 12" to 24" pipe	Ft.	LF	<ul style="list-style-type: none"> For surface drainage. Includes catch basin, and N-12 pipe. No outlet pipe is generally needed. 	
		Surface Drain – catch basin, > 24" pipe	Ft.	LF	<ul style="list-style-type: none"> For surface drainage. Includes N-12 pipe. No outlet pipe is generally needed. 	
633	Waste Utilization	Spreading Liquid or Solid Manure on New Land	AC	AC	<ul style="list-style-type: none"> Assumes manure is hauled to satellite fields that have not regularly received manure 	Incentive Payment (1-3 years)
634	Manure Transfer	Manure to Storage by Gravity	No.	EA	<ul style="list-style-type: none"> To transfer manure from barn to storage Includes concrete reception pit, 24" transfer pipe, and safety grating 	
		Wastewater to Storage by Gravity	No.	LF	<ul style="list-style-type: none"> To transfer liquid wastewater to a storage facility Includes PVC gasketed pipe (6" assumed), plumber's trap, and cleanouts at 200 ft intervals. 	
		Manure to Storage, Pushoff	No.	EA	<ul style="list-style-type: none"> Cantilever pushoff ramp from barn or HUA into a waste storage facility, with safety bar Assumes Std drawing from Wisconsin (Dwg 590) 	
		Manure to Storage, Pumped	No.	EA	<ul style="list-style-type: none"> Includes a reception pit and manure pump to transfer manure to a storage facility. Assumes a 3000 cf cast-in-place reception pit, pump and 6" PVC gasketed pipe 	
		Wastewater to Storage or Treatment, Pumped	No.	EA	<ul style="list-style-type: none"> To transfer wastewater to a storage facility, or to a treatment facility where no pre-treatment is needed (from a sediment basin to a treatment strip) Assumes a 500 gallon pump tank, 3" sewage pump, and 2" PE pipe. 	

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
		Wastewater from Sediment Basin, Gravity, no dosing	No.	LF	<ul style="list-style-type: none"> To transfer wastewater from a sediment basin by gravity without a dosing system (highly diluted silage runoff, for instance), to a WWTS. Includes a riser assembly or collection box, and 6" PVC gasketed pipe See Sediment Basin (350) for the concrete basin and screen box. 	
		Wastewater to Treatment, Gravity, Pre-treated and Dosed	No.	LF	<ul style="list-style-type: none"> To transfer wastewater (milkhouse waste, for example) to a WWTS, with pretreatment using septic tank and grease trap, and dosed using a FLOUT or similar gravity method. Includes three 1500 gallon tanks (septic, grease, pump tanks), 6" PVC pipe between tanks, a FLOUT, and 4" PVC to WWTS Level lip or manifold included with Wastewater Treatment Strip (635) 	
		Wastewater to Treatment, Pumped, Pre-treated and Dosed	No.	LF	<ul style="list-style-type: none"> To transfer wastewater (milkhouse waste, for example) to a WWTS, with pretreatment using septic tank and grease trap, and dosed with a pump. Includes three 1500 gallon tanks (septic, grease, pump tanks), 6" PVC pipe between tanks, a 2" sewage pump, and 4" PVC to WWTS Level lip or manifold included with Wastewater Treatment Strip (635) 	
635	Waste Treatment Strip	Treatment strip without distribution system	Ac.	SF	<ul style="list-style-type: none"> A WWTS where a level lip or manifold are not required (a small composting facility, for instance). Includes grading and shaping, topsoiling, and seeding. 	
		Strip with gravel trench distribution	Ac.	SF	<ul style="list-style-type: none"> A WWTS where a gravel trench is used to distribute the flow. One gravel trench assumed per 100 ft of flow length. Includes grading, shaping, topsoiling, gravel trench and seeding. 	
		Barnyard Strip with Slotted Curb	Ac.	SF	<ul style="list-style-type: none"> A WWTS for a small barnyard, where a concrete slotted curb can be used. Includes strip construction, seeding, and a concrete slotted curb with a gravel splash pad 	
		Strip with Perforated Pipe Manifold	Ac.	SF	<ul style="list-style-type: none"> A WWTS where a perforated pipe manifold is used to distribute flow to the strip. Normally used when dosing of the wastewater is needed. Includes strip construction, seeding, and the perforated pipe manifold system (posts, pipe, hangers, etc) 	
638	Water & Sediment Control Basin	Water & Sediment Control Basin	No.	LF	<ul style="list-style-type: none"> Includes all excavation and earthfill needed to construct the WASCOD, including seeding. Refer to Underground Outlet (620) for riser and outlet. Refer to Subsurface Drainage (606) if needed. 	

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
642	Water Well	Well, All types	No.	EA	<ul style="list-style-type: none"> One cost for all types of well 	<ul style="list-style-type: none"> Only for Livestock Watering To facilitate animal distribution for prescribed grazing Not for barnyard water.
		Well yield test	No.	EA	<ul style="list-style-type: none"> One price for well yield test, authorized for new or existing wells to determine design yield and drawdown for irrigation or livestock wells. 	<ul style="list-style-type: none">
644	Wetland Wildlife Habitat Management	Management	AC	AC	<ul style="list-style-type: none"> Habitat assessment is done and each field/unit scores a minimum of 0.7 in the planned condition 	<ul style="list-style-type: none"> Prerequisite for associated wildlife practices.
645	Upland Wildlife Habitat Management	Management	AC	AC	<ul style="list-style-type: none"> Habitat assessment is done and each field/unit scores a minimum of 0.7 in the planned condition 	
647	Early Successional Habitat Development / Management	Herbaceous management	AC	AC	<ul style="list-style-type: none"> Site is being managed for early successional wildlife species 	<ul style="list-style-type: none"> Requires either 644 or 645 Cost share allowed only every other year
		Clear/cut shrubs/saplings up to 4" DBH	AC	AC	<ul style="list-style-type: none"> Site is being managed for early successional wildlife species Scenario applies to cutting entire area or selectively cutting out tall growing tree species in existing shrubland habitat. 	
		Tree clearing <8" DBH – no timber	AC	AC	<ul style="list-style-type: none"> Site is being managed for early successional wildlife species Area being cut consists, on average, of woody species less than 8' DBH and wood has no commercial timber value 	
		Tree clearing >8: DBH – no timber	AC	AC	<ul style="list-style-type: none"> Site is being maintained for early successional wildlife species Area being cut consists, on average, of woody species > 8' DBH and wood has no commercial timber value 	
		Tree clearing with timber	AC	AC	<ul style="list-style-type: none"> Site is being maintained for early successional wildlife species Area being cut has commercial timber value, payment is for cutting additional trees that don't have commercial timber value to ensure that early successional habitat can be created (i.e., prevent high-grading) 	
656	Constructed Wetland	<p>≤ 5000 square feet</p> <p>> 5000 square feet</p>	Ac.	SF	<ul style="list-style-type: none"> For treatment of wastewater. Costs for construction of the wetland cells and dikes around and within them. Includes topsoiling and earthmoving. All other components are priced separately See Pond Sealing (521), Structure for Water Control (587), Critical Area Planting (342), Manure Transfer (634) for associated practices. 	

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
660	Tree/Shrub Pruning	Pruning	AC	AC	<ul style="list-style-type: none"> Hardwood/softwood forest stands with sufficient stocking of desirable crop trees that can be improved by removing lower branches Any species that is economically viable in value and quality Landowner/laborer does the work; layout & supervision by licensed forester Pruning 3" to 8" diameter trees Units in linear feet of tree trunk to be pruned 	<ul style="list-style-type: none"> Eligible only if landowner has a forest management plan or stewardship plan that prescribes pruning.
666	Forest Stand Improvement	Oak regeneration <8" DBH – no timber	AC	AC	<ul style="list-style-type: none"> Goal is natural oak regeneration Area being cut consists, on average, of woody species less than 8' DBH and wood has no commercial timber value 	<ul style="list-style-type: none"> Eligible only if landowner has a forest management plan that calls for the oak regeneration procedure AND the site is located in an area applicable for oak regeneration AND the site is not located in an area with intensive deer pressure.
		Oak regeneration >8" DBH – no timber	AC	AC	<ul style="list-style-type: none"> Goal is natural oak regeneration Area being cut consists, on average, of woody species > 8' DBH and wood has no commercial timber value 	
		Oak regeneration - timber	AC	AC	<ul style="list-style-type: none"> Goal is natural oak regeneration Area being cut has commercial timber value, payment is for cutting additional trees that don't have commercial timber value to ensure creation of light conditions suitable for regenerating oak 	
		Thinning	AC	AC	<ul style="list-style-type: none"> Involves thinning pole stands for timber Manipulation of species composition, stand structure and stocking by cutting or killing selected trees and understory vegetation. 	<ul style="list-style-type: none"> Eligible only if landowner has a forest management plan or stewardship plan that prescribes thinning.
702	Agrichemical Mixing Facility	Facility without Roof	No.	SF	<ul style="list-style-type: none"> A curbed, concrete pad (drive-through type assumed) without a roof Includes excavation, sand or gravel for subgrade, concrete floor with curbs, sealant, pump, sump, reinstated tanks if needed, pipe and valves 	
		Facility with Roof	No.	SF	<ul style="list-style-type: none"> Same as above, but with a roof Unit cost based on square foot of the facility (not the roof footprint) The roof cost is increased to compensate for the fact that the square footage of the roof is larger than the facility and the unit cost is based on the facility size rather than the roof size. 	

Practice Code	Practice	Scenario	Practice Unit	Payment Unit	Scenario Notes	State Program Rules
706	Shellfish Aquaculture Management	Off-Bottom Culture	Grant	Grant	<ul style="list-style-type: none"> Oyster cages accessed by foot or off-road Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (300lb)) 	<ul style="list-style-type: none"> Incentive payment (1-3 years) Unit cost per grant, or plot granted by town averaging 1-2 acres
		Remote Off-Bottom	Grant	Grant	<ul style="list-style-type: none"> Oyster cages accessed by boat Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (300lb)) Retire high-pollution motors, and add oil-spill kits on boats 	
		Bottom Culture	Grant	Grant	<ul style="list-style-type: none"> Clam beds accessed by foot or off-road Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (2,000lbs/year)) 	
		Bottom Culture w/ Buffer	Grant	Grant	<ul style="list-style-type: none"> Clam beds accessed by foot or off-road Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (2,000lbs/year)) Buffers (5 ft. wide) on sides abutting other growing plots 	
		Remote Bottom Culture	Grant	Grant	<ul style="list-style-type: none"> Clam beds accessed by boat Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (2,000lbs/year)) Retire high-pollution motors, and add oil-spill kits on boats 	
		Remote Bottom w/ Buffer	Grant	Grant	<ul style="list-style-type: none"> Clam beds accessed by boat Basic suite of management practices (buoys, gear cycling, monitoring/recordkeeping, waste gear removal (2,000lbs/year)) Retire high-pollution motors, and add oil-spill kits on boats Buffers (5 ft. wide) on sides abutting other growing plots 	
789	Transition to Organic	Crops, Vegetables, or Fruit	AC	AC	<ul style="list-style-type: none"> Assumes landowner is working with a private certifying official to complete necessary farm plans for certification 	<ul style="list-style-type: none"> Incentive Payment (1-3 years) Landowners must attain organic certification at the end of the 3-year transition period
		Hay or Pasture	AC	AC		