

**EQIP 2008 AQUIFER Cost List 75%, PR
FY 2011**

Code	Practice	Component	Units	Unit Cost
320	Irrigation Canal or Lateral (320)	Earth canal, construction/restoration, equipment, mobilization and labor.	CuYd	\$6.90
324	Deep Tillage (324)	Subsoiling/Chiseling with machinery (less than 20% slope), to break soil compaction equipment, mobilization and labor.	Acre	\$46.90
326	Clearing & Snagging (Ft)	Removing snags, drifts, or other obstructions that impedes the proper functioning of a stream channel or water course	Lin. Ft.	\$54.20
328	Conservation Crop Rotation (328)	Crop rotation, Idle ≥ 6 Months.	Acre	\$126.80
329	Residue and Tillage Management, No-Till/Strip Till/Direct Seed (329)	Chemical or manual, materials, equipment, mobilization and labor.	Acre	\$174.40
330	Contour Farming (330)	Machinery (< 20% slope) low ridge (8") contour plowing or farming, equipment, mobilization and labor.	Acre	\$77.80
330	Contour Farming (330)	Oxen high ridge (>8") contour plowing or farming for root crop, equipment, mobilization and labor.	Acre	\$257.00
330	Contour Farming (330)	Oxen low ridge (<8") contour plowing or farming equipment, mobilization and labor.	Acre	\$163.00
330	Contour Farming (330)	Field Layout-Arrangement Contour plow or contour farming of selected crop around the hill, labor.	Acre	\$35.00
331	Contour Orchard and other Perennial Crops (331)	Field Layout-Arrangement-Contour plow or contour farming of fruits, orchards and other tropical small fruit across a slope, labor.	Acre	\$58.50
340	Cover Crop (340)	Establish grasses, legumes and forbs for temporary cover using oxen or machinery-< 20% slope).	Acre	\$37.40
342	Critical Area Planting (342)	Sod to stabilize an area after a structure construction. Includes shaping, earth moving, materials, mobilization and installation.	Sq ft	\$0.40
342	Critical Area Planting (342)	Seeding, includes re-shaping and earthmoving, materials, equipment, mobilization, labor and installation.	Acre	\$676.50
342	Critical Area Planting (342)	Tree Planting - materials, equipment, mobilization and labor.	Acre	\$2,101.90
345	Residue Management, Mulch Till (345)	Using disking (>20% slope) one or two tillage passes. After planting, at least one third (33%) of the soil surface remain cover with residues materials, equipment, mobilization and labor.	Acre	\$195.20
345	Residue Management, Mulch Till (345)	Using oxen one or two tillage passes. After planting, at least one third (33%) of the soil surface remain cover with residues materials, equipment, mobilization and labor.	Acre	\$207.80
345	Residue Management, Mulch Till (345)	Chemical & furrowing-plow, One application of herbicide/one or two furrow passes, 33% of the soil surface remain cover with residues, materials, equipment, mobilization and labor.	Acre	\$192.70
362	Diversion (362)	Diversion construction (excavation/fill), equipment, labor and mobilization.	Cu Yd	\$3.75
378	Pond (378)	Pond construction (excavation/fill), materials, (pipe, rock, gravel, concrete, etc.) equipment, mobilization and labor.	CuYd	\$10.90
391	Riparian Forest Buffer (391)	Plant Material and Establishment, materials, equipment, mobilization and labor.	No.	\$9.20
391	Riparian Forest Buffer (391)	Natural regeneration, manage of invasive species, materials, equipment, mobilization and labor. Payment for (3) three consecutive years	Acre	\$83.00
393	Filter Strip (393)	Plant Material, Site Preparation and Establishment Seeding or Sprigging, materials, equipment, mobilization and labor.	Acre	\$1,083.00
412	Grassed Waterway (412)	Channel construction and establishment of suitable vegetation, materials, equipment, mobilization and labor.	Acre	\$14,789.50
430	Irrigation Pipeline (430)	PVC pipeline 2-4" dia., water/waste conveyance, materials & installation. Convey water from water source to reservoir (all other pipeline required for irrigation system included in Practice 441).	Lb.	\$3.10
430	Irrigation Pipeline (430)	PVC pipeline 6-10" dia., water/waste conveyance, materials & installation.	Lb.	\$2.10
430	Irrigation Pipeline (430)	PVC pipeline 12-18" dia., water/waste conveyance, materials & installation. Convey water from water source to reservoir (all other pipeline required for irrigation included in Practice 441).	Lb.	\$1.65
436	Irrigation Reservoir (436)	Reservoir (Pond) construction (excavation/fill) to store and regulate a water supply for irrigation, materials (pipe, rock, gravel, concrete, etc.), equipment, mobilization and labor.	Cu. Yd.	\$7.40
436	Irrigation Reservoir (436)	Plastic tank to store and regulate a water supply for irrigation, materials (tank and fittings), installation and mobilization.	Gal.	\$0.57
436	Irrigation Reservoir (436)	Flow meter box, construction of a reinforced concrete box and a connection to the main irrigation canal to regulate or store a supply water for irrigation. Material, equipment, labor and mobilization	No.	\$5,396.00
441	Irrigation System, Microirrigation (441)	Install of Drip-Tape system, materials (tape, PVC pipeline, valves, fittings, filter, etc.), equipment, mobilization & labor. Not included pump, power and water source.	Acre	\$1,143.75
441	Irrigation System, Microirrigation (441)	Install PE tubing system, materials (PE tubing, emitters, PVC pipeline, valves, fittings, filter, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,203.25
441	Irrigation System, Microirrigation (441)	Irrigation System Repair/Upgrade - Control Station Replace an under performing irrigation system control station and filter unit. Includes filter, piping, valves, fittings and labor.	Acre	\$120.00
442	Irrigation System, Sprinkler (442)	Install Traveler system (Hard Hose), materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,070.30

442	Irrigation System, Sprinkler (442)	Install Portable Big Gun system, materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,176.30
442	Irrigation System, Sprinkler (442)	Install Fixed system, materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,149.40
447	Irrigation System, Tailwater Recovery (447)	Constructing facilities for the collection of irrigation tailwater that can be an integral part of irrigation systems recovering runoff of sprinkle irrigated land.	CuYd	\$9.00
449	Irrigation Water Management (449)	Includes record keeping (crop grown, irrigation dates, inches of irrigation, set length & inches of rainfall), soil moisture determined by feel or sensors, control & monitoring of irrigation water.	Acre	\$0.75
460	Land Clearing (460)	Machinery for structural practice, equipment, labor and mobilization.	Acre	\$187.50
466	Land Smoothing (466)	Removing irregularities on the land surface, to improve surface drainage, provide for more uniform cultivation. (Mobilization, and equipment)	Acre	\$108.30
490	Tree/Shrub Site Preparation (490)	Chemical, improves site conditions for establishing/planting trees & shrubs, materials, equipment, mobilization and labor.	No.	\$0.26
490	Tree/Shrub Site Preparation (490)	Hand treating (hoe, machete, other), improves site conditions for establishing/planting trees & shrubs, equipment, mobilization and labor.	No.	\$2.00
490	Tree/Shrub Site Preparation (490)	Chemical and Hand treating , improves site conditions for establishing/planting trees & shrubs, equipment, mobilization and labor.	No.	\$2.23
521A	Pond Sealing or Lining, Flexible Membrane (521A)	Installation of plastic mesh lining for a farm pond, material, equipment, labor and mobilization.	Sq. Ft.	\$1.20
533	Pumping Plant (533)	Pump-Deep Well-up to 10 HP, equipment (pump, motor and control box). Delivery, wiring and installation included.	Hp	\$496.00
533	Pumping Plant (533)	Deep Well up to 10 HP/Station, equipment: pump/motor/control box. Delivery, wiring, installation included. Pumping Station: reinforced concrete floor, masonry wall, galvalum/metal roof.	Hp	\$1,316.00
533	Pumping Plant (533)	Pump-Standard centrifugal up to 30 HP, equipment (pump, motor and control box). Delivery, installation and connection to pipeline included.	Hp	\$431.00
533	Pumping Plant (533)	Pumping Standard Centrifugal 30HP max/Station, equipment (pump,/motor/fuse box). Delivery/wiring/installation/pipeline connect. Station reinforced concrete floor, masonry wall, galvalum/metal roof.	Hp	\$689.00
533	Pumping Plant (533)	Pump-Irrigation, equipment (pump, motor and control box). Delivery, wiring, installation and connection to pipeline included.	Hp	\$247.00
533	Pumping Plant (533)	Pump Irrigation/Station, equipment (pump, motor and control box). Delivery, wiring and installation included. Station: reinforced concrete floor/masonry wall/galvalum/metal roof.	Hp	\$365.00
557	Row Arrangement (557)	Establishing crop rows in direction, grade and length to provide drainage & erosion control (<20% slope), equipment, labor and mobilization.	Acre	\$77.00
561	Heavy Use Area Protection (561)	Concrete pad (6" thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$7.00
561	Heavy Use Area Protection (561)	Gravel pad (1' thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$3.30
561	Heavy Use Area Protection (561)	Gabion pad (9" thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$5.40
580	Streambank and Shoreline Protection (580)	Treatment(s) using rip-rap and vegetation to stabilize and protect streambank.	Ln Ft	\$197.10
580	Streambank and Shoreline Protection (580)	Treatment(s) using gabion wall and vegetation to stabilize and protect streambank.	Ln Ft	\$224.80
590	Nutrient Management (590)	Soil amendments (Lime), materials, equipment, mobilization and labor.	Acre	\$18.00
590	Nutrient Management (590)	NPK application/soil test/record keeping	Acre	\$10.00
595	Integrated Pest Management (595)	IPM_ Integrated Pest Management Record keeping, scouting for pest management implementation.	Acre	\$21.80
601	Vegetative Barrier (601)	Cuttings or Seedlings, planting, materials, equipment, mobilization and labor.	Lin. Ft.	\$3.28
603	Herbaceous Wind Barriers (603)	Cuttings or Seedlings, planting, (double row) materials, equipment, mobilization and labor.	Lin. Ft.	\$0.40
612	Tree/Shrub Establishment (612)	Establishing tree species by cuttings- live posts (stakes) at recommended distance, materials, equipment, mobilization and labor.	No.	\$3.11
614	Watering Facility (614)	Construction of storage tank and troughs for watering facility, materials, equipment, labor & mobilization.	Cu. Yd.	\$307.00
638	Water and Sediment Control Basin (638)	Construction of a water and sediment control basin, materials, equipment, labor and mobilization.	Cu. Yd.	\$7.00
642	Water Well (642)	Water well, drilling, installation and well pumping test.	Ft.	\$30.00

**EQIP 2008 AQUIFER Cost List 90%, PR
FY 2011**

Code	Practice	Component	Units	Unit Cost
320	Irrigation Canal or Lateral (320)	Earth canal, construction/restoration, equipment, mobilization and labor.	CuYd	\$8.20
324	Deep Tillage (324)	Subsoiling/Chiseling with machinery (less than 20% slope), to break soil compaction equipment, mobilization and labor.	Acre	\$56.30
326	Clearing & Snagging (Ft)	Removing snags, drifts, or other obstructions that impedes the proper functioning of a stream channel or water course	Lin. Ft.	\$65.10
328	Conservation Crop Rotation (328)	Crop rotation, Idle \geq 6 Months.	Acre	\$152.10
329	Residue and Tillage Management, No-Till/Strip Till/Direct Seed (329)	Chemical or manual, materials, equipment, mobilization and labor.	Acre	\$209.30
330	Contour Farming (330)	Machinery (< 20% slope) low ridge (8") contour plowing or farming, equipment, mobilization and labor.	Acre	\$93.40
330	Contour Farming (330)	Oxen high ridge (>8") contour plowing or farming for root crop, equipment, mobilization and labor.	Acre	\$308.00
330	Contour Farming (330)	Oxen low ridge (<8") contour plowing or farming equipment, mobilization and labor.	Acre	\$195.00
330	Contour Farming (330)	Field Layout-Arrangement Contour plow or contour farming of selected crop around the hill, labor.	Acre	\$42.00
331	Contour Orchard and other Perennial Crops (331)	Field Layout-Arrangement-Contour plow or contour farming of fruits, orchards and other tropical small fruit across a slope, labor.	Acre	\$70.20
340	Cover Crop (340)	Establish grasses, legumes and forbs for temporary cover using oxen or machinery< 20% slope).	Acre	\$44.90
342	Critical Area Planting (342)	Sod to stabilize an area after a structure construction. Includes shaping, earth moving, materials, mobilization and installation.	Sq ft	\$0.50
342	Critical Area Planting (342)	Seeding, includes re-shaping and earthmoving, materials, equipment, mobilization, labor and installation.	Acre	\$811.80
342	Critical Area Planting (342)	Tree Planting - materials, equipment, mobilization and labor.	Acre	\$2,522.00
345	Residue Management, Mulch Till (345)	Using disking (>20% slope) one or two tillage passes. After planting, at least one third (33%) of the soil surface remain cover with residues materials, equipment, mobilization and labor.	Acre	\$234.30
345	Residue Management, Mulch Till (345)	Using oxen one or two tillage passes. After planting, at least one third (33%) of the soil surface remain cover with residues materials, equipment, mobilization and labor.	Acre	\$249.30
345	Residue Management, Mulch Till (345)	Chemical & furrowing-plow, One application of herbicide/one or two furrow passes, 33% of the soil surface remain cover with residues, materials, equipment, mobilization and labor.	Acre	\$231.20
362	Diversion (362)	Diversion construction (excavation/fill), equipment, labor and mobilization.	Cu Yd	\$4.50
378	Pond (378)	Pond construction (excavation/fill), materials, (pipe, rock, gravel, concrete, etc.) equipment, mobilization and labor.	CuYd	\$13.00
391	Riparian Forest Buffer (391)	Plant Material and Establishment, materials, equipment, mobilization and labor.	No.	\$11.00
391	Riparian Forest Buffer (391)	Natural regeneration, manage of invasive species, materials, equipment, mobilization and labor. Payment for (3) three consecutive years	Acre	\$100.00
393	Filter Strip (393)	Plant Material, Site Preparation and Establishment Seeding or Sprigging, materials, equipment, mobilization and labor.	Acre	\$1,299.60
412	Grassed Waterway (412)	Channel construction and establishment of suitable vegetation, materials, equipment, mobilization and labor.	Acre	\$17,747.40
430	Irrigation Pipeline (430)	PVC pipeline 2-4" dia., water/waste conveyance, materials & installation. Convey water from water source to reservoir (all other pipeline required for irrigation system included in Practice 441).	Lb.	\$3.70
430	Irrigation Pipeline (430)	PVC pipeline 6-10" dia., water/waste conveyance, materials & installation.	Lb.	\$2.50
430	Irrigation Pipeline (430)	PVC pipeline 12-18" dia., water/waste conveyance, materials & installation. Convey water from water source to reservoir (all other pipeline required for irrigation included in Practice 441).	Lb.	\$2.00
436	Irrigation Reservoir (436)	Reservoir (Pond) construction (excavation/fill) to store and regulate a water supply for irrigation, materials (pipe, rock, gravel, concrete, etc.), equipment, mobilization and labor.	Cu. Yd.	\$8.80
436	Irrigation Reservoir (436)	Plastic tank to store and regulate a water supply for irrigation, materials (tank and fittings), installation and mobilization.	Gal.	\$0.68
436	Irrigation Reservoir (436)	Flow meter box, construction of a reinforced concrete box and a connection to the main irrigation canal to regulate or store a supply water for irrigation. Material, equipment, labor and mobilization	No.	\$6,475.20
441	Irrigation System, Microirrigation (441)	Install of Drip-Tape system, materials (tape, PVC pipeline, valves, fittings, filter, etc.), equipment, mobilization & labor. Not included pump, power and water source.	Acre	\$1,372.50
441	Irrigation System, Microirrigation (441)	Install PE tubing system, materials (PE tubing, emitters, PVC pipeline, valves, fittings, filter, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,443.90
441	Irrigation System, Microirrigation (441)	Irrigation System Repair/Upgrade - Control Station Replace an under performing irrigation system control station and filter unit. Includes filter, piping, valves, fittings and labor.	Acre	\$144.00
442	Irrigation System, Sprinkler (442)	Install Traveler system (Hard Hose), materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,284.30

442	Irrigation System, Sprinkler (442)	Install Portable Big Gun system, materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,411.50
442	Irrigation System, Sprinkler (442)	Install Fixed system, materials (PVC pipeline, valves, fittings, guns, etc.), equipment, mobilization & labor. Not included pump, power & water source.	Acre	\$1,379.25
447	Irrigation System, Tailwater Recovery (447)	Constructing facilities for the collection of irrigation tailwater that can be an integral part of irrigation systems recovering runoff of sprinkle irrigated land.	CuYd	\$10.40
449	Irrigation Water Management (449)	Includes record keeping (crop grown, irrigation dates, inches of irrigation, set length & inches of rainfall), soil moisture determined by feel or sensors, control & monitoring of irrigation water.	Acre	\$0.90
460	Land Clearing (460)	Machinery for structural practice, equipment, labor and mobilization.	Acre	\$225.00
466	Land Smoothing (466)	Removing irregularities on the land surface, to improve surface drainage, provide for more uniform cultivation. (Mobilization, and equipment)	Acre	\$130.00
490	Tree/Shrub Site Preparation (490)	Chemical, improves site conditions for establishing/planting trees & shrubs, materials, equipment, mobilization and labor.	No.	\$0.30
490	Tree/Shrub Site Preparation (490)	Hand treating (hoe, machete, other), improves site conditions for establishing/planting trees & shrubs, equipment, mobilization and labor.	No.	\$2.40
490	Tree/Shrub Site Preparation (490)	Chemical and Hand treating , improves site conditions for establishing/planting trees & shrubs, equipment, mobilization and labor.	No.	\$2.70
521A	Pond Sealing or Lining, Flexible Membrane (521A)	Installation of plastic mesh lining for a farm pond, material, equipment, labor and mobilization.	Sq. Ft.	\$1.40
533	Pumping Plant (533)	Pump-Deep Well-up to 10 HP, equipment (pump, motor and control box). Delivery, wiring and installation included.	Hp	\$595.00
533	Pumping Plant (533)	Deep Well up to 10 HP/Station, equipment: pump/motor/control box. Delivery, wiring, installation included. Pumping Station: reinforced concrete floor, masonry wall, galvalum/metal roof.	Hp	\$1,580.00
533	Pumping Plant (533)	Pump-Standard centrifugal up to 30 HP, equipment (pump, motor and control box). Delivery, installation and connection to pipeline included.	Hp	\$517.00
533	Pumping Plant (533)	Pumping Standard Centrifugal 30HP max/Station, equipment (pump./motor/fuse box). Delivery/wiring/installation/pipeline connect. Station reinforced concrete floor, masonry wall, galvalum/metal roof.	Hp	\$826.00
533	Pumping Plant (533)	Pump-Irrigation, equipment (pump, motor and control box). Delivery, wiring, installation and connection to pipeline included.	Hp	\$296.00
533	Pumping Plant (533)	Pump Irrigation/Station, equipment (pump, motor and control box). Delivery, wiring and installation included. Station: reinforced concrete floor/masonry wall/galvalum/metal roof.	Hp	\$438.00
557	Row Arrangement (557)	Establishing crop rows in direction, grade and length to provide drainage & erosion control (<20% slope), equipment, labor and mobilization.	Acre	\$93.00
561	Heavy Use Area Protection (561)	Concrete pad (6" thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$8.50
561	Heavy Use Area Protection (561)	Gravel pad (1' thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$4.00
561	Heavy Use Area Protection (561)	Gabion pad (9" thick) under high-use area, on wet soils, materials, equipment, mobilization and labor.	Sq. Ft.	\$6.50
580	Streambank and Shoreline Protection (580)	Treatment(s) using rip-rap and vegetation to stabilize and protect streambank.	Ln Ft	\$263.50
580	Streambank and Shoreline Protection (580)	Treatment(s) using gabion wall and vegetation to stabilize and protect streambank.	Ln Ft	\$269.80
590	Nutrient Management (590)	Soil amendments (Lime), materials, equipment, mobilization and labor.	Acre	\$22.00
590	Nutrient Management (590)	NPK application/soil test/record keeping	Acre	\$12.00
595	Integrated Pest Management (595)	IPM_ Integrated Pest Management Record keeping, scouting for pest management implementation.	Acre	\$26.20
601	Vegetative Barrier (601)	Cuttings or Seedlings, planting, materials, equipment, mobilization and labor.	Lin. Ft.	\$3.93
603	Herbaceous Wind Barriers (603)	Cuttings or Seedlings, planting, (double row) materials, equipment, mobilization and labor.	Lin. Ft.	\$0.50
612	Tree/Shrub Establishment (612)	Tree Establishment (Per Tree), materials, equipment, mobilization and labor.	No.	\$11.00
612	Tree/Shrub Establishment (612)	Establishing tree species by cuttings- live posts (stakes) at recommended distance, materials, equipment, mobilization and labor.	No.	\$3.73
638	Water and Sediment Control Basin (638)	Construction of a water and sediment control basin, materials, equipment, labor and mobilization.	Cu. Yd.	\$8.40
642	Water Well (642)	Water well, drilling, installation and well pumping test.	Ft.	\$36.00