

Materials	Unit	Cost per Unit
GRASS SEEDING:		
Aroostock rye certified	bushel	\$ 11.80
Alfalfa Forage Queen	lb	\$ 3.29
Alfalfa Evermore	lb	\$ 4.20
Alfalfa Enforcer	lb	\$ 4.20
Alfalfa Withstand	lb	\$ 4.20
Aliske Clover	lb	\$ 1.80
American beechgrass culms	per culm	\$ 0.25
Annual Ryegrass	lb	\$ 0.78
Perennial Ryegrass	lb	\$ 1.50
Barnyard grass, (Echnicochola muricata)	lb	\$ 12.00
Big Bluestem, Niagra, certified	lb	\$ 18.00
Bluegrass, Kentucky SD	lb	\$ 2.41
Crownvetch, "Penngift"	lb	\$ 33.00
Crownvetch, "Hairy"	lb	\$ 2.50
Indiangrass "Rumsey"	lb	\$ 11.00
Japanese Millet	lb	\$ 0.90
Ladino Clover, white	lb	\$ 4.71
Mammoth red clover	lb	\$ 2.42
Cinnamon Plus Clover	lb	\$ 3.26
White Clover	lb	\$ 4.00
Orchard grass, common	lb	\$ 4.15
Orchardgrass - fescue mix	lb	\$ 1.28
Pasure Mix	lb	\$ 3.20
Red clover	lb	\$ 2.75
Red Top 3	lb	\$ 10.00
Shrub lespedeza, bicolor	lb	\$ 8.00
Switchgrass,"shelter"	lb	\$ 10.00
Tall fescue, pasture	lb	\$ 1.86
Timothy, common	lb	\$1.40
Critical Area Seeding from NRCS payment schedule	acre	\$ 1,520.11
FORESTRY AND WILDLIFE MATERIALS		
3"-5" largemouth bass fingerlings	num	\$ 0.90
8"-12" certified sterile grass carp	num	\$ 13.00
Bluegill fingerlings	num	\$ 0.50
Conifer Tree/Shrubs, Bare Root	seedling	\$ 0.88
Dam Removal	sq ft	\$ 90.00
Deciduous Tree/Shrubs, Bare Root	seedling	\$ 2.55
Fish ladder	vertical ft	\$ 25,000.00
Fish Pond Habitat Structure	num	\$ 56.38
NSD in-stream structures	num	\$ 1,572.31
Red spruce tubling (<500 quantity)	tubling	\$ 2.30
Red spruce tubling (>500 quantity)	tubling	\$ 1.02
Tree shelter	num	\$ 2.86
Tree stake	num	\$ 1.30
Dead stakes	num	\$ 2.25
Live stakes	num	\$ 3.00
Fascine	lin ft	\$ 1.67
Alder & silky dogwood bareroot seedlings	sq ft	\$ 14.17

Root wads (covers about 5 linear feet of streambank)	num	\$ 400.00
Chicken wire	lin ft	\$ 0.19
Brush mattress	lin ft	\$ 3.00
HERBICIDES/PESTICIDES/CHEMICALS		
Crossbow	gallon	\$ 63.99
Site prep/forest management chemical	gallon	\$ 100.00
Cull tree removal chemical	gallon	\$ 100.00
Grapevine removal chemical	gallon	\$ 1.80
Fertilizer 0-10-30 w/ boron, bulk, pickup price	ton	\$ 555.00
Fertilizer 0-25-25, bulk, pickup price	ton	\$ 759.00
Fertilizer 5-10-10, bulk, pickup price	ton	\$ 396.00
Fertilizer 6-24-24, bulk, pickup price	ton	\$ 725.00
Fertilizer 0-0-60 Potash, pickup price	ton	\$ 538.00
Fertilizer 10-20-20, pickup price	ton	\$ 640.00
Fertilizer 10-10-10, bulk, pickup price	ton	\$ 432.00
Fertilizer 12-12-12, bulk, pickup price	ton	\$ 487.00
Fertilizer 18-46-0 DAP, pickup price	ton	\$ 1,015.00
Fertilizer 19-19-19, pickup price	ton	\$ 753.00
Fertilizer 0-45-0 Phosphate, by the bag, ton minimum	ton	\$ 1,173.00
Fertilizer 37-0-0, by the bag, ton minimum	ton	\$ 528.00
Fertilizer, 27-0-0 Calcium Ammonium Nitrate, by the bag, ton minimum	ton	\$ 450.00
Urea 46-0-0, by the bag, ton minimum	ton	\$ 608.00
Inoculant	acre	\$ 5.00
Pellet Lime, by the bag, ton minimum, pickup price	ton	\$ 198.00
Ag Lime, by the bag, ton minimum, pickup price	ton	\$ 120.00
Greer Ag Lime, delivered 20 miles and spread	ton	\$ 39.00
Hi Mag Lime, delivered 20 miles and spread	ton	\$ 49.00
Reward	gallon	\$ 169.00
Round Up (48% glyphosate formulation)	gallon	\$ 52.00
WATER WELLS / PONDS		
Water well, drilling <300 ft.	ft	\$ 8.30
Water well, drilling >300 ft.	ft	\$ 20.00
Water well, casing	ft	\$ 6.00
Water well, lining	ft	\$ 5.00
3 wire electric cable for water wells	lin ft	\$ 1.00
10-2 pump wire	lin ft	\$ 1.28
Rope for water well	lin ft	\$ 0.10
Electric Entrance for Water Well	num	\$ 50.00
Electric box w/ weather proof breakers	num	\$ 175.00
15 gallon pressure tank with controls	num	\$ 340.00
40 gallon pressure tank	num	\$ 440.00
3/8" polypropylene rope	lin ft	\$ 0.35
Well Decommissioning	num	\$ 1,000.00
Well testing for fecal coliform	per test	\$30.00
Pump test for well yield	per test	\$0.00
STONE:		
3/4" Crusher Run Gravel	ton	\$ 8.25
#8 Gravel, ASTM C-33	ton	\$ 17.25
#57 Limerock gravel	ton	\$ 14.65

3"-9" riprap or field stone	ton	\$ 16.50
#1 gravel ASTM C33	ton	\$ 23.00
Screenings or Sand	ton	\$ 8.50
Gabion Baskets (thickness >= 12 in., installed with rock)	cu yd	\$ 300.00
Gabion Mattresses (thickness < 32 in., installed with rock)	cu yd	\$ 300.00
#4 rock	ton	\$ 11.50
6"-15" rock D50	ton	\$ 11.50
Clean sand (washed sand) #50 bag	bag	\$ 3.33
Chert/shale	ton	\$ 10.00
Flat rate delivery charges for stone - job within 20 miles	ton	\$ 6.00
Flat rate delivery charges for stone - job within 40 miles	ton	\$ 8.00
CONCRETE PRODUCTS:		
3000 psi Concrete	cu yd	\$ 120.00
4000 psi Concrete flat 5" wwf	cu yd	\$ 252.00
Concrete walls 6" with rebar 4000 psi	cu yd	\$ 300.00
Concrete wall 8" with rebar 4000 psi	cu yd	\$ 400.00
3000 psi Concrete, bulk, w/ air (6+ yd3) w/l 20 miles of supplier	cu yd	\$ 91.00
4000 psi Concrete, bulk, w/ air (6+ yd3) w/l 20 miles supplier	cu yd	\$ 95.00
Concrete-3000 psi-4flat-www;	cu yd	\$ 250.00
Concrete-4000 psi-4flat-www;	cu yd	\$ 262.61
Concrete splash pad 2'x2'x1'	num	\$ 17.63
Sakrete, 80# bag	num	\$ 4.27
1/2" bituminous expansion joint	lin ft	\$ 1.50
1/2" (#4) 15"x15" rebar	lin ft	\$ 0.28
5/8" (#5) x14" rebar	num	\$ 1.38
5/8" (#5) x20" rebar	num	\$ 1.75
Concrete Curb (12" ht x 5 1/2" width): Installed	lin ft	\$ 3.20
Concrete Drop Box (Installed)	num	\$ 204.75
Welded Wire fabric 6"x6"x10 gauge	sq ft	\$ 0.20
FENCING:		
Tension springs	num	\$ 4.99
1.75" staples, 30 lb box	lb	\$ 0.84
2.5" staples	lb	\$ 1.64
High tensile splicing sleeves for 12.5 gauge wire (25/pack)	pack	\$ 3.99
High tensile fence taps (10/pack)	pack	\$ 2.99
Wire strainer with handle	num	\$ 6.98
Post insulators (25 per bag)	bag	\$ 5.99
Corner insulators, polyethylene black medium duty 10/bag	bag	\$ 1.79
Pin insulators for corners (25 per bag)	bag	\$ 7.68
Polyrope, 660 feet per roll	roll	\$ 58.49
Polywire reel, 1320 feet per roll	roll	\$ 39.74
12.5 gauge high tensile wire, 1000 foot roll	roll	\$ 47.55
12.5 gauge high tensile wire, 4000 foot roll, 200,000 psi	roll	\$ 98.97
36" pigtail step-in posts (10 pack)	num	\$ 1.99
Metal t posts	num	\$ 4.59
4 point barb wire, 15.5 gauge, 1320 foot roll (80 rods)	roll	\$ 45.99
9 conductor electric twine, 1312 foot roll	roll	\$ 41.20
Welded woven wire, 48" tall, galvanized, 100 foot roll	roll	\$ 96.24
Welded woven wire, 48" tall, galvanized, 200 foot roll	roll	\$ 269.99
4' heavy duty pipe gate	num	\$ 72.99

8' heavy duty pipe gate	num	\$ 87.99
10' heavy duty pipe gate	num	\$ 117.49
12' heavy duty pipe gate	num	\$ 129.99
14' heavy duty pipe gate	num	\$ 144.99
16' heavy duty pipe gate	num	\$ 154.99
18' heavy duty pipe gate	num	\$ 174.99
20' heavy duty pipe gate	num	\$ 174.99
6 joule cyclic wave portable battery fence charger (100 mile coverage)	num	\$ 194.99
6 joule plugin battery fence charger (controls 600 acres)	num	\$ 169.95
6 volt 3 mile solar fence charger & solar panel	num	\$ 99.99
6 joule solar fence charge & panel (30 mile coverage) 12v, .5 joule	num	\$ 349.99
12 volt solar fence charger & panel (controls 200 acres)	num	\$ 309.95
Electric 110V plug in fence charger 16 joule output	num	\$ 317.95
Heavy duty fence handles	num	\$ 4.78
Tighteners	num	\$ 3.00
Insulator lightning arrester	num	\$ 13.00
Cut off switch	num	\$ 11.00
Grounding rod, 8' copper clad	num	\$ 17.99
Grounding system clamp	num	\$ 2.49
Posts, pressure treated, 4-5" diameter, 6.5 feet long	num	\$ 5.28
Posts, pressure treated, 4-5" diameter, 7 feet long	num	\$ 8.50
Posts, pressure treated, 5-6" diameter, 7 feet long	num	\$ 8.99
Posts, pressure treated, 4-5" diameter, 8 feet long	num	\$ 8.19
Posts, pressure treated, 5-6" diameter, 8 feet long	num	\$ 9.99
Posts, pressure treated, 6-7" diameter, 8 feet long	num	\$ 17.99
Posts, pressure treated, 4-5" diameter, 10 feet long	num	\$ 13.87
Temporary electric fence	ft	\$ 1.20
LUMBER:		
Trusses, 24' span w/ 1 foot overhang, 2 foot spacing 4/12 pitch	num	63.67
Trusses, 40' span w/ 3 foot overhang, 2 ft spacing 4/12 pitch	num	\$ 141.43
Trusses, 56' span w/ 3 foot overhang	num	\$ 218.37
Simpson truss tie no. H2.5A	num	\$ 0.46
Aluminum gutter (5K installed)(.027")	lin ft	\$ 5.30
3"x4" Downspout adapter	num	\$ 4.21
Downspouts, 3" x 4" installed (.027")	lin ft	\$ 3.50
Downspouts, 3" x 4", 10' joint	lin ft	\$ 1.20
Strong-tie Post Mount, vinyl bracket	num	\$ 0.74
Geotextile Filter Fabric Class II Woven	sq ft	\$ 0.15
Non-woven filter fabric - applicable for riprap (600 sq.yards)	roll	\$ 400.00
4 Mil plastic sheeting (1 roll covers 150 sqft)	roll	\$ 11.00
6 mil perforated polyethylene (28'x100' roll)	roll	\$ 63.95
1.25 mil plastic (54"x1000') roll	roll	
4"x 1/2" Bituminous material for post wrap	lin ft	\$ 0.36
2"x4"x8' (no. 2 or better) Southern Pine	num	\$ 4.70
2"x4"x10' (no. 2 or better) Southern Pine	num	\$ 4.57
2"x4"x12' (no. 2 or better) Southern Pine	num	\$ 5.47
2"x4"x14' (no. 2 or better) Southern Pine	num	\$ 3.79
2"x4"x16' (no. 2 or better) Southern Pine	num	\$ 8.28
2"x4"x18' (no. 2 or better) Southern Pine	num	\$ 11.80
2"x6"x8' (no. 2 or better) Southern Pine	num	\$ 5.60
2"x6"x10' (no. 2 or better) Southern Pine	num	\$ 7.42

2"x6"x12' 9no. 2 or better) Southern Pine	num	\$ 6.46
2"x6"x14' (no. 2 or better) Southern Pine	num	\$ 8.67
2"x6"x16' (no. 2 or better) Southern Pine	num	\$ 12.42
2"x6"x8' pressure treated boards	num	\$ 20.00
2"x6"x10' 4-ply Glulam Treated Entire Length 0.6 PCF	num	\$ 56.80
2"x6"x24' 4-ply Glulam Treated Entire Length 0.6 PCF	num	\$ 124.96
2"x6"x25' 4-ply Glulam Treated Entire Length 0.6 PCF	num	\$ 136.32
2"x6"x27' 4-ply Glulam Treated Entire Length 0.6 PCF	num	\$ 147.68
2"x6"x29' 4-ply Glulam Treated Entire Length 0.6 PCF	num	\$ 170.40
2"x8"x14' (no. 2 or better) Southern Pine	num	\$ 13.37
2"x8"x16' PPT 0.4, SYP #2	num	\$ 17.99
2"x10"x16' (no. 2 or better) Southern Pine	num	\$ 24.62
2"x12"x12' (no. 2 or better) Southern Pine	num	\$ 15.57
2"x12"x16' (no. 2 or better) Southern Pine	num	\$ 32.52
2"x6"x 8' PPT 0.4 nailer, SYP #2	num	\$ 9.50
2"x8"x16' treated, UC4A AWWA code	num	\$ 14.97
6"x6"x8' treated posts UC4B AWWA code	num	\$ 22.39
6"x6"x10' posts UC4B AWWA code	num	\$ 25.97
6"x6"x12' treated posts UC4A AWWA code	num	\$ 31.59
6"x6"x14' treated posts UC4B AWWA code	num	\$ 32.29
6"x6"x16' treated posts UC4B AWWA code	num	\$ 44.45
6"x6"x18' treated posts UC4B AWWA code	num	\$ 58.86
6"x6"x20' treated posts UC4B AWWA code	num	\$ 73.16
6"x6"x22' treated posts UC4B AWWA code	num	\$ 83.75
6"x6"x24' treated posts UC4B AWWA code	num	\$ 111.52
6"x6"x26' treated posts UC4B AWWA code	num	\$ 112.35
2"x6"x8' ppt 0.4 T&G scrape boards, syp #2	num	\$ 8.19
2"x6"x10' ppt 0.4 T&G scrape boards, syp #2	num	\$ 10.17
2"x6"x12' ppt 0.4 T&G scrape boards, syp #2	num	\$ 12.19
2"x6"x16' ppt 0.4 T&G scrape boards, syp #2	num	\$ 16.97
3/8" plywood, grade apa sheathing, exterior 4'x8' sheet	sheet	\$ 11.55
3/4" OSB plywood, 4'x8' sheets (for forms)	sheet	\$ 28.00
Plastic post caps for 4x4 posts	num	\$ 1.32
Removable steel post caps	num	\$ 35.00
Weatherproof gable siding; 3'x7'3";29 gauge minimum	sheet	\$ 13.53
Weatherproof gable siding; 3'x6";29 gauge minimum	sheet	\$ 9.59
Galvanized Metal Roofing Sheets 3'x26'10" 29 gauge	sheet	\$ 58.58
Metal roofing 3 feet wide; sold by the foot	ft	\$ 2.30
Roofing/siding material 80 ksi, 29 gauge	sq ft	\$ 1.25
Corner Trim for Gable Ends (10' length)	num	\$ 17.91
Metal siding (8' length) 29 Gauge	sheet	\$ 25.90
Metal siding for side (12' length) 29 Gage	sheet	\$ 36.37
Metal siding (14' legnth) 29 Gauge	sheet	\$ 40.00
Double track for metal doors, 12' length	num	\$ 23.00
Rollers	num	\$ 28.00
Handles	num	\$ 5.00
32" Prehung steel door, no windows	num	\$ 105.00
Ridge cap	10 ft joint	\$ 18.39
1.25" galvanized roofing nails (5 lb box)	lb	\$ 2.95
Siding nails	lb	\$ 4.20
12d common nails	lb	\$ 0.71
16d common nails	lb	\$ 0.71

20d common nails	lb	\$ 0.55
12d hot dipped galvanized spiral	lb	\$ 2.79
16d hot dipped galvanized threaded nails	lb	\$ 1.58
20d hot dipped galvanized threaded nails	lb	\$ 1.40
3"x7" simpson galvanized tie plate	num	\$ 0.96
1/2" diameter x 12"x2" galvnized anchor bolts	num	\$ 2.77
Self-tapping sealing roofing screws	sq ft	\$ 0.08
4" zinc plated hook & eye latch	num	\$ 1.46
10" heavy duty hinges for compost doors	num	\$ 5.98
1/2" #4 reinforced steel (20 lf)	lin ft	\$ 0.28
5/8" #5 reinforced steel	lin ft	\$ 0.65
6"x6" 8 gauge welded wire fabric, 150'x5' roll	sq ft	\$ 0.13
5x10' 10 gauge welded wire fabric, sheet	sheet	\$ 7.37
Strapping	lin ft	\$ 0.50
Sonatube 16" diam. x 12'	lin ft	\$ 4.54
Sonatube 28" diam. x 12'	lin ft	\$ 12.60
Sonatube 30" diam. x 12'	lin ft	\$ 12.90
Curing compound	gallon	\$ 8.40
Glue	quart	\$ 9.75
Cleaner	quart	\$ 8.60
TANKS / WATERING FACILITIES		
2' frost free yard hydrant	num	\$ 80.00
Plastic spring box 18"x36"	num	\$ 27.00
Concrete lid 18"x30"	num	\$ 11.16
Water trough pipe kit (adaptors, ells, clamps, standpipes)	num	\$ 32.00
Spring pipe kit	num	\$ 55.00
Pond pipe kit	num	\$ 100.00
1.25" bulkhead fittings	num	\$ 10.00
Heavy equipment tire - 400 Gallon	num	\$ 125.00
Poly Water Tank - 300 Gallon	num	\$ 195.00
Miscellaneous fittings for pump/tire trough	num	\$ 100.00
Automatic waterer - 2 Hole Trough, heavy plastic	num	\$ 590.00
Automatic waterer - 4 Hole Trough, heavy plastic	num	\$ 750.00
Concrete cistern (1,000gal) w/ delivery	num	\$ 900.00
Concrete cistern (1,800gal) w/ delivery	num	\$ 1,750.00
Concrete Cistern, 2200 gallon, includes delivery	num	\$ 1,763.00
Concrete Trough (400gal) includes delivery	num	\$ 1,000.00
Concrete Trough (150gal) includes brass fittings & delivery of \$100	num	\$ 530.00
Concrete Trough (375gal) includes brass fittings & delivery of \$100	num	\$ 650.00
Concrete collection box (7,480 gallon) built on site	num	\$ 8,000.00
Portable heavy duty rubber stock tank 40 gallon	num	\$ 27.49
Portable heavy duty rubber stock tank 110 gallon	num	\$ 49.95
Portable heavy duty rubber stock tank 180 gallon	num	\$ 108.95
Above ground plastic storage tanks 1,000 gallon	num	\$ 551.33
Above ground plastic storage tanks 1,550 gallon	num	\$ 702.86
In ground poly tank 2,500 gallon	num	\$ 2,640.00
FITTINGS, ETC.:		
1.25" brass collars	num	\$ 7.00
1.0 to .75" reducer	num	\$ 3.00
1.25" to .75" reducer/brushing	num	\$ 3.00

1.25" to 1.0" reducer/brushing	num	\$ 3.00
1" threaded male adaptor	num	\$ 7.50
1.25" x 1" male adaptor	num	\$ 6.00
1.5 to 1.25 adaptor female	num	\$ 4.00
1.5 to 1.25 adaptor male	num	\$ 1.50
Pitless adaptor	num	\$ 40.00
Float valve	num	\$ 45.13
1" brass tee	num	\$ 32.00
1" brass ball valve	num	\$ 20.00
2" brass ball valve	num	\$ 65.12
2" brass gate valve	num	\$ 24.57
Spring loaded pvc check valves upto 2"	num	\$ 14.40
Swing pvc check valves upto 3"	num	\$ 42.01
Swing pvc check valves upto 4"	num	\$ 48.31
1.25" stainless steel clamps	num	\$ 1.16
1"x6" stand pipe nipple, galvanized	num	\$ 5.00
1" Ell 90 degree, galvanized	num	\$ 3.00
2" brass butterflyvalve sch 80 w/lever	num	\$ 91.90
2" intake strainer	num	\$ 9.50
Filter, 55 gpm	num	\$ 156.54
Irrrometer-12"	num	\$ 65.00
Irrrometer liquid filled pressure gauge 0-100 psi	num	\$ 26.75
1.5 standard pressure regulator 7-40gpm	num	\$ 27.00
Mazzei Injector assembly	num	\$ 189.00
Plastic disc filter (100 gpm max, 140 mesh)	num	\$ 250.00
200 Mesh disc filter	num	\$ 81.00
Triton fiberglass sand filter -2 tanks, manual flush& valve max 70 gpm,	num	\$ 1,095.00
Misc. bolt clamps	num	\$ 7.00
1.25" plastic valve	num	\$ 18.40
PUMPS		
1/2 hp water well pump	num	\$ 381.00
3/4 hp water well pump, 10 gpm	num	\$ 755.00
1 hp water well pump	num	\$ 995.00
1.5 hp water well pump	num	
Pump, 2 hp submersible	num	\$ 1,042.00
1/2 hp sewage pump	num	\$ 254.99
3"X20" Flexible suction foot valve with 3" foot valve	num	\$ 330.00
Pump, 8" Screw-Type w/ 5 HP electric motor	num	
Pump, Large (manure) chopper pump	num	\$ 4,500.00
Pump, small (manure) chopper pump	num	\$ 2,500.00
Pump, ram (water) 2-inch	num	\$ 1,950.00
Pump, electric, submersible or jet	num	\$ 334.99
Pump,gas-self priming, 6.5 HP 80 psi, 60 GPM, 200 head	num	\$ 665.00
Self priming 40 hp honda motor mounted on cart w/ filter	num	\$ 1,400.00
Solar Pump-submersible,80 watt panel, ground wire,	num	\$ 1,536.00
Slurry tractor pump w/ hoses, valves, cart	num	\$ 5,145.00
MISC.:		
Straw bale, 40#	num	\$ 7.03

Mulch hay	ton	\$ 150.00
Construction of Water Bars	lin ft	\$ 2.10
Traveling gun irrigation		\$ -
Earth moving <300 cubic yards	cu yd	\$ 10.00
Earth moving 301-500 cubic yards	cu yd	\$ 8.00
Earth moving >500 cubic yards	cu yd	\$ 7.50
Construction mobilization (1-2 pieces of equipment)	num	\$ 500.00
Construction mobilization (>2 pieces of equipment)	num	\$ 800.00
Litter transfer (25 mile distance; 15 ton load)	ton	\$ 21.67
Litter transfer (50 mile distance; 15 ton load)	ton	\$ 28.33
Litter transfer (100 mile distance; 15 ton load)	ton	\$ 41.66
Litter transfer (150 mile distance; 15 ton load)	ton	\$ 55.00
Litter transfer (200 miles distance; 15 ton load)	ton	\$ 68.33
Litter transfer (250 miles distance; 15 ton load)	ton	\$ 81.67
Mobilization for construction equipment - small job - 1-2 pieces equipment	per job	\$ 162.50
Mobilization for construction equipment - large job - >2 pieces equipment	per job	\$ 400.00
TILE / PIPE:		
Tile, 4 inch flexible perforated tile line	lin ft	\$ 1.00
Plastic Y, 4"	num	\$ 3.00
Tile, 4 inch, Smooth wall PE	lin ft	\$ 6.10
Pipe, 1.25" diameter, copper, 30" length	per inch	\$ 0.60
4" sock (netting material)		
Point source emitters (woodpecker pressure compensated)	num	\$ 0.34
Pipe, 1.25"x26", galvanized (overflow for troughs)	num	\$ 5.00
Pipe, .75" PVC SDR. 32.5 psi), 20' section	lin ft	\$ 0.20
Pipe, 1" PVC SDR. 32.5 psi), 20' section	lin ft	\$ 0.19
Pipe, 1" PVC Sch. 40, 20' section	lin ft	\$ 0.40
Pipe, 1.5" PVC Sch. 40, 20' section	lin ft	\$ 0.49
Pipe, 2" PVC Sch. 40, 20' section	lin ft	\$ 0.53
Pipe, 3" PVC Sch. 40, 20' section	lin ft	\$ 2.13
Pipe, 4" PVC Sch. 40	lin ft	\$ 1.63
Pipe, 6" PVC sch 40 4' section	lin ft	\$ 3.25
Pipe, 6" PVC SDR 21, 20' section	lin ft	\$ 1.25
Pipe, 8" PVC sch 40, 20"	lin ft	\$ 5.38
Pipe, 1" Black PE, 100 psi	lin ft	\$ 0.70
Pipe, 1.25" Black PE, 100 psi	lin ft	\$ 0.80
Pipe, 1.25" Black PE, 160 psi	lin ft	\$ 0.76
Pipe, 1.50" Black PE, 200 psi, 20' length	lin ft	\$ 0.41
Pipe, 2" White PE, 200 psi, 20' length	lin ft	\$ 0.62
Pressure compensated dripline, 8 mil	lin ft	\$ 0.02
1" Blue Strip Poly Tubing	lin ft	\$ 0.17
2" oval/flat tube	lin ft	\$ 0.40
3/4" Blue Strip Poly Tubing	lin ft	\$ 0.13
Install pipeline <=4" 2'-3' deep	per in dia	\$ 1.00
Install pipeline >4" 2'-3' deep	per in dia	\$ 1.20
1" DIA polyethylene waterline, 500' roll	lin ft	\$ 0.23
Double Wall Polyethylene Pipe, corrugated out/smooth inside, 6"	lin ft	\$ 2.50
Double Wall Polyethylene Pipe, corrugated out/smooth inside, 8"	lin ft	\$ 3.50
Double Wall Polyethylene Pipe, corrugated out/smooth inside, 10"	lin ft	\$ 4.20

Double Wall Polyethylene Pipe, corrugated out/smooth inside, 12"	lin ft	\$ 4.90
Double Wall Polyethylene Pipe, corrugated out/smooth inside, 15"	lin ft	\$ 6.25
Double Wall Polyethylene Pipe, corrugated out/smooth inside, 18"	lin ft	\$ 9.35
Pipe, 24" HDPE corrugate outside, smooth interior	lin ft	\$ 17.27
Corrugated Metal Pipe - Outlets: 12" flaired end	lin ft	\$ 100.00
Corrugated Metal Pipe - Outlets: 15" flaired end	lin ft	\$ 125.00
Corrugated Metal Pipe - Outlets: 18" flaired end	lin ft	\$ 147.00
Corrugated Metal Pipe - Outlets: 24" flaired end	lin ft	\$ 178.00
Corrugated Metal Pipe: 12" Dia, 16 gage - Galvanized	lin ft	\$ 6.40
Corrugated Metal Pipe: 15" Dia, 16 gage - Galvanized	lin ft	\$ 7.20
Corrugated Metal Pipe: 18" Dia, 16 gage - Galvanized	lin ft	\$ 8.70
Corrugated Metal Pipe: 24" Dia, 14 gage - Galvanized	lin ft	\$ 10.95
Corrugated Metal Pipe: 30" Dia, 14 gage - Galvanized	lin ft	\$ 19.20
Corrugated Metal Pipe: 36" Dia, 12 gage - Galvanized	lin ft	\$ 21.60
Corrugated Plastic Pipe: 10"	lin ft	\$ 4.25
Corrugated Plastic Pipe: 12"	lin ft	\$ 5.25
Corrugated Plastic Pipe: 4", 100 foot roll	lin ft	\$ 0.40
Corrugated Plastic Pipe: 6", 100 foot roll	lin ft	\$ 1.05
Corrugated Plastic Pipe: 8", 20 foot section	lin ft	\$ 2.65
Corrugated Plastic, Double Walled Pipe: 10", 20' section	lin ft	\$ 5.00
Corrugated Plastic, Double Walled Pipe: 12", 20' section	lin ft	\$ 5.25
Corrugated Plastic, Double Walled Pipe: 15", 20' section	lin ft	\$ 6.50
Corrugated Plastic, Double Walled Pipe: 18", 20' section	lin ft	\$ 10.25
Corrugated Plastic, Double Walled Pipe: 24", 20' section	lin ft	\$ 15.75
Corrugated Plastic, Double Walled Pipe: 30", 20' section	lin ft	\$ 24.40
Corrugated Plastic, Double Walled Pipe: 36", 20' section	lin ft	\$ 31.50
Corrugated Plastic, Double Walled Pipe: 4", 20' section	lin ft	\$ 1.00
Corrugated Plastic, Double Walled Pipe: 6", 20' section	lin ft	\$ 2.30
Corrugated Plastic, Double Walled Pipe: 8", 20' section	lin ft	\$ 4.00
Misc. couplers	num	\$ 0.75
1.25" brass coupling	num	\$ 8.38
Couplers, 4", sch. 40	num	\$ 2.07
Couplers, 6", sch. 40	num	\$ 5.86
6" ADAPTER P.E. PIPE TO PVC PIPE	num	\$ 13.48
Pitless adaptor	num	\$ 40.00
Drainage/Filter Diaphragm (sand collar, installed)	cu yd	\$ 36.75
Irrigation lateral-pressure compensated dripline, 8 -10 mil (1000' roll)	lin ft	\$ 0.15
J-BUNK, PRECAST REINFORCED CONCRETE, delivered & set	lin ft	\$ 38.00
2" ell	num	\$ 2.05
1.5" pvc ell	num	\$ 1.05
1.5" pvc 22.5 ell	num	\$ 3.80
1.25" galvanized ell	num	\$ 3.21
1.25" galvanized street ell	num	\$ 3.80
2"x1.5" PVC bushing	num	\$ 1.50
1.5" pvc cap	num	\$ 0.90
2" PVC Cap	num	\$ 1.00
Pipe SCH 40 6" X 4" TEE	num	\$ 29.34
Pipe SCH 40 8" TEE	num	\$ 58.00
Pipe SCH 40 6" TEE	num	\$ 20.50
Pipe SCH 40 4" TEE	num	\$ 7.57
Pipe SCH 40 2" TEE	num	\$ 1.20

Pipe SCH 40 1.5" TEE	num	\$ 0.90
Pipe SCH 40 6" X 8" ADAPTER	num	\$ 31.79
Pipe SCH 40 ELBOW (1.5" PVC)	num	\$ 0.85
Pipe SCH 40 ELBOW (2" PVC)	num	\$ 1.00
Pipe SCH 40 22.5 ELBOW (4" PVC)	num	\$ 5.88
Pipe SCH 40 45° ELBOW (4" PVC)	num	\$ 5.52
Pipe SCH 40 90° ELBOW (4" PVC)	num	\$ 4.86
Pipe SCH 40 90° ELBOW (8" PVC)	num	\$ 39.04
Pipe SCH 40 PIPE (4" PVC) BELL END	num	\$ 1.90
Pipe SCH 40 PIPE 6" PVC BELL END	num	\$ 4.15
Pipe SCH 40 4" X 6" ADAPTER	num	\$ 13.67
Pipe SCH 40 REDUCER (6" TO 4" PVC)	num	\$ 10.50
Pipe SCH 40 REDUCER (8" TO 4" PVC)	num	\$ 27.50
Pipe SCH 40 REDUCER (8" TO 6" PVC)	num	\$ 27.50
Pipe SCH 40 4" WYE	num	\$ 18.38
Pipe SCH 40 6" WYE	num	\$ 32.93
Pipe Steel 5"	lin ft	\$ 17.30
Pipe Steel 16", 250 wall	lin ft	\$ 24.00
Pipe Steel 20", 250 wall	lin ft	\$ 30.00
Pipe Steel 24" 250 wall	lin ft	\$ 42.50
Pipeline - Quick Coupler	num	\$ 50.00
Anti-Seep Collar (2' x 2'), 1/16 gum rubber w/ wood frame	num	\$ 26.98
Anti-Seep Collar (3' x 3'), 1/16 gum rubber w/ wood frame	num	\$ 51.35
Anti-Seep Collar (4' x 4'), 1/16 gum rubber w/ wood frame	num	\$ 58.18
Anti-Seep Collar (5' x 5'), 1/16 gum rubber w/ wood frame	num	\$ 96.53
Anti-Seep Collar (6'x6'), 1/16 gum rubber w/ wood frame	num	\$ 111.15
Rodent Guard - 6"	num	\$ 2.00
Ben seal #50 bag	bag	\$ 9.20
EQUIPMENT / INSTALLATION	Unit	Cost per Unit
FARM EQUIPMENT:		
Tractor <30 HP w/ attachment; no labor	hour	\$ 27.00
Tractor 30+ HP w/ attachment; no labor	hour	\$ 37.00
4 wheeler or equivalent w/ attachment; no labor	hour	\$ 24.00
Chainsaw, equipment only; no labor	hour	\$ 5.00
Pickup truck, 4x4, 1 ton; no labor	hour	\$ 24.00
Loader, standard crawler 70 hp; equipment only; no labor	hour	\$ 45.00
Loader, standard crawler 90 hp; equipment only; no labor	hour	\$ 57.00
Loader, standard crawler 128 hp; equipment only; no labor	hour	\$ 96.00
Loader, standard crawler 158 hp; equipment only; no labor	hour	\$ 123.00
Spreading lime & fertilizer, labor & equip., materials purchased separ	ton	\$ 12.00
CONSTRUCTION EQUIPMENT:		
55-89 hp; D-4 Equivalent; equipment only; no labor	hour	\$ 54.00
90-129 hp; D-5 Equivalent; equipment only; no labor	hour	\$ 64.00
130-165 hp; D-6 Equivalent; equipment only; no labor	hour	\$ 80.00
166+ hp; D-7 Equivalent; equipment only; no labor	hour	\$ 136.00
< 30 hp excavator; bobcat; equipment only; no labor	hour	\$ 17.00
30-54 hp Cat 304; equipment only; no labor	hour	\$ 23.00
55-89 hp Cat 311B; equipment only; no labor	hour	\$ 56.00
90-129 Cat 318 CL; equipment only; no labor	hour	\$ 81.00

130-165 Cat 320 CU; equipment only, no labor	hour	\$ 94.00
Backhoe (rubber tired) 2 wd, equipment only, no labor	hour	\$ 37.00
Backhoe (rubber tired) 4 wd, equipment only, no labor	hour	\$ 40.00
Skid steer, 2,750 lbs. operating capacity, equipment only; no labor	hour	\$ 32.00
Vibratory compactor, 99 hp, equipment only, no labor	hour	\$ 49.00
Vibratory compactor, 125 hp, equipment only, no labor	hour	\$ 62.00
Vibratory compactor, 155 hp, equipment only, no labor	hour	\$ 66.00
Vibratory compactor, 173 hp, equipment only, no labor	hour	\$ 87.00
Single axle rear dump - 25,000 GVW 5-6 cy-200 hp diesel	hour	\$ 35.00
Tandum rear dump - 50,000 GVW 10-12 cy-400 hp diesel	hour	\$ 67.00
Articulated cranes for truck mounting w/ truck; equipment only; no labor	hour	\$ 71.00
Hand held vibratory plate compactor, no labor	hour	\$ 7.00
Wheel mounted chain trenchers, 16" trench width	hour	\$ 21.00
Wheel mounted chain trenchers, 24" trench width		\$ 34.00
Walk behind chain trenchers	hour	\$ 12.00
Auger for tractor mounting/skid steerer, attachment only	hour	\$ 4.00

LABOR:	Unit	Range
Manual Labor	hour	\$ 15.00
Skilled labor / Farm Machinery Operator	hour	\$ 19.00
Construction Equipment Operator	hour	\$ 26.00
Goats, dog, herder for eight hours	acre	\$ 720.00

MANAGEMENT PRACTICES	Unit	Cost per Unit
Select Acquisition of Technical Knowledge if Appropriate	N/A	
Record Keeping	hour	\$ 17.00
Manure sampling & analysis	sample	\$ 17.00
Soil Sampling & Analysis	sample	\$ 17.00
Yield sampling & analysis	sample	\$ 17.00
Certified Applicator License CEUs	hour	\$ 17.00
Mgt Plan Development	hour	\$ 17.00
Design, supervise, and site visits for IPM plan	acre	\$ 14.00
Application of reduced- risk pesticides	acre	\$ 60.00
Weekly pheromone trap monitoring	acre	\$ 33.00
On-site weather instrumentation or SkyBit subscription	acre	\$ 23.00
Utilization of degree day egg hatch model	acre	\$ 18.00
Pheromone mating disruption dispenser	acre	\$ 153.00
Use WVU-KTFREC website	acre	\$ 9.00
Complete a minimum of 300 pts on scoresheet	acre	\$ 48.00
Training to implement IPM plans-Level 1	acre	\$ 1.00
Training to implement IPM plans-Level 2	acre	\$ 2.00
Training to implement IPM plans-Level 3	acre	\$ 3.00
Field checks, control competing vegetation, replant	seedling	\$ 0.06
Irrigation water management - 15 minutes per acre	hour	\$ 17.00
research	hour	\$ 17.00