

Practice: 660 - Tree Pruning

Scenario: #1 - One step to 18ft

Scenario Description:

Pruning is done by hand with hand tools, pole saws or with gas pole saw. 100 Crop trees/acre are identified for pruning. To improve the quality of the stem wood and increase grass production in sylvopasture system, branches are pruned from the trees. Trees are pruned to a height to allow the bottom 16' ft log to be free of branches and leave room for a stump (approx. 18').

Before Situation:

Trees are retaining limbs mostly along the mid to upper section of the tree bole, reducing quality and grass production. Lower branches may have naturally self pruned to differing heights. Pruning height is at least to eighteen (18) feet above the ground, leaving 40% crown. Degrade plant condition- undesirable plant productivity and health is the resource concern.

After Situation:

Typical Sylvopasture system of 20 acres is maintained. Trees are pruned to the desirable height of 18 feet, but leaving 40% crown. Pruned branches are treated if they are a hazard, see Woody Residue Treatment standard or Prescribed fire.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 20

Scenario Cost: \$8,787.48

Scenario Cost/Unit: \$439.37

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Pruning tool, pole saw	1319	Gasoline powered pole chainsaw. Labor not included.	Hour	\$7.76	160	\$1,241.60
Pruning tools, hand tools	1318	Pruning tools, hand tools, shears, loppers, pole saw, handsaw. Material costs only. Labor not included.	Hour	\$1.09	80	\$87.20
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$33.55	48	\$1,610.40
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$17.54	240	\$4,209.60
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$31.56	48	\$1,514.88
Materials						
Tree Marking Paint	313	Trees to be cut through tree marking are physically identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.19	20	\$123.80

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Scenario: #2 - First Stage to 10ft

Scenario Description:

Pruning is done by hand with chain saws, tree loppers, hand shears, or hand saws. 100 crop trees/acre are identified for pruning. To improve the quality of the stem wood and increase sunlight for grass development in sylvopasture system, branches are pruned from the trees. Trees are not big enough to allow pruning in one step. Plan to prune in two stages. First stage is to prune approximately 8 - 10 ft with the idea to prune the remainder of the desired 18 ft at a later date.

Before Situation:

Trees are retaining lower limbs along the entire tree bole, reducing wood quality and inhibiting grass growth. Pruning height will be based on overall stand diameter and height, leaving 40% crown. Stand has been thinned and crop trees are identified for pruning. Degrade plant condition- undesirable plant productivity and health is the resource concern.

After Situation:

Typical Sylvopasture system of 20 acres is maintained. Trees are pruned to the desirable height of 8-10 feet, but leaving 40% crown. Pruned branches are treated if they are a hazard, see Woody Residue Treatment standard or Prescribed fire.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 20

Scenario Cost: \$2,922.76

Scenario Cost/Unit: \$146.14

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$33.55	16	\$536.80
Pruning tools, hand tools	1318	Pruning tools, hand tools, shears, loppers, pole saw, handsaw. Material costs only. Labor not included.	Hour	\$1.09	40	\$43.60
Pruning tool, pole saw	1319	Gasoline powered pole chainsaw. Labor not included.	Hour	\$7.76	40	\$310.40
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$31.56	16	\$504.96
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$17.54	80	\$1,403.20
Materials						
Tree Marking Paint	313	Trees to be cut through tree marking are physically identified through the application of paint on the tree. Typically one quart of paint is used to mark one acre of trees. Includes materials and shipping only.	Acre	\$6.19	20	\$123.80

Practice: 660 - Tree Pruning

Scenario: #3 - Second Stage 10ft to 18ft

Scenario Description:

Pruning is done by hand with pole saws or with gas pole saw. 100 Crop trees/acre are identified for pruning. To improve the quality of the stem wood and increase grass production in sylvopasture system, branches are pruned from the trees. Second stage is to prune remainder of the unpruned branches left by the first stage of pruning to the desired 18 ft. (approx. 10' to 18').

Before Situation:

Trees are retaining limbs mostly along the mid to upper section of the tree bole, reducing quality and grass production. Lower branches (0-9 feet) may have already been pruned, have naturally self pruned to differing heights. Pruning height is at least to eighteen (18) feet above the ground, leaving 40% crown. Degrade plant condition- undesirable plant productivity and health is the resource concern.

After Situation:

Typical Sylvopasture system of 20 acres is maintained. Trees are pruned to the desirable height of 18 feet, but leaving 40% crown. Pruned branches are treated if they are a hazard, see Woody Residue Treatment standard or Prescribed fire.

Scenario Feature Measure: area of treatment

Scenario Unit: Acre

Scenario Typical Size: 20

Scenario Cost: \$7,664.40

Scenario Cost/Unit: \$383.22

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Pruning tool, pole saw	1319	Gasoline powered pole chainsaw. Labor not included.	Hour	\$7.76	200	\$1,552.00
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	\$33.55	40	\$1,342.00
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$17.54	200	\$3,508.00
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$31.56	40	\$1,262.40