

ECONOMIC COST DATA

PASTURE AND HAY PLANTING (512)

OKLAHOMA

Cost Data

<u>Typical Implementation Scenario</u>		
512.1 Bermudagrass Sprigging - Seedbed preparation, sprigs, and sprigging		
Establishing bermudagrass by sprigging, according to the Oklahoma NRCS Pasture and Hay Planting (512) standard and specification		
Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	
Data Source: 2006-2007 actual cost data, Oklahoma Cooperative Extension Fact Sheets http://osufacts.okstate.edu		Cost/Unit
Materials		\$50.00
Sprigs (based on average bushels needed to meet 512 Standard and Specification for bermudagrass plantings) (25 bushels at 2.00 per bushel) Does not include cost of cover crops or fertilizer for establishment. Custom sprigging averages \$60.00 - 85.00 per acre (sprigs, labor, equipment)		
Equipment/Installation		\$31.50
Tractor / sprigger \$25.00 includes labor costs		
Seedbed Preparation. Most seedbed preparation work is done as part of tillage operations for previously grown crops. In some cases an extra tillage or firming operation may be needed prior to planting. \$6.50		
Labor		
Costs included with equipment and installation		
Mobilization		
N/A		
Operation & Maintenance		\$0.82
1% of installation costs		
Acquisition of Technical Knowledge		\$0.00
Calibrate and operate seed drill, manage perennial grass		
Forgone Income		\$15.24
Lost forage production during installation (1-year deferment)		
Risk		\$0.00
Reduced risk, less erosion, less machinery wear & tear.		
Administration & Permit Costs		\$0.00
None		
Total Cost Estimate:		\$97.56

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Typical Implementation Scenario		
512.2 Introduced Species - Seedbed Preparation, Seed & Seeding		
Establishing introduced forage species (i.e. bermudagrass, old world bluestems, tall fescue, weeping lovegrass, etc.) as monoculture or mixture, according to the Oklahoma NRCS Pasture and Hay Planting (512) standard and specification.		
Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	
Data Source: 2006-2007 actual cost data, Oklahoma Cooperative Extension Fact Sheets http://osufacts.okstate.edu		Cost/Unit
Materials		\$24.73
Seed (based on average lbs. PLS and cost per lb. PLS needed to meet 512 Standard and Specification for introduced grass plantings)		
Does not include cost of cover crops or fertilizer for establishment.		
Equipment/Installation		\$19.63
Tractor / drill	\$13.13	
includes labor costs		
Seedbed Preparation. Most seedbed preparation work is done as part of tillage operations for previously grown crops. In some cases an extra tillage or firming operation may be needed prior to planting.	\$6.50	
Labor		
Costs included with equipment and installation		
Mobilization		
N/A		
Operation & Maintenance		\$0.44
1% of installation costs		
Acquisition of Technical Knowledge		\$0.00
Calibrate and operate seed drill, manage perennial grass		
Forgone Income		\$15.24
Lost forage production during installation (1-year deferment)		
Risk		\$0.00
Reduced risk, less erosion, less machinery wear & tear.		
Administration & Permit Costs		\$0.00
None		
Total Cost Estimate:		\$60.04

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PASTURE AND HAY PLANTING (512)

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<u>Typical Implementation Scenario</u>		
512.3 Native species - Seedbed Preparation, Seed & Seeding		
Establishing native forage species (big bluestem, switchgrass, indiangrass, eastern gamagrass, etc.) as monoculture or mixture, according to the Oklahoma NRCS Pasture and Hay Planting (512) standard and specification		
Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	
 Data Source: 2006-2007 actual cost data, Oklahoma Cooperative Extension Fact Sheets http://osufacts.okstate.edu		
		Cost/Unit
Materials		\$50.63
Seed (based on average lbs. PLS and cost per lb. PLS needed to meet 512 Standard and Specification for native grasses plantings) Typically planted as monocultures but may be combination of 2-4 species. Does not include cost of cover crops or fertilizer for establishment.		
Equipment/Installation		\$19.63
Tractor / drill	\$13.13	
includes labor costs		
Seedbed Preparation. Most seedbed preparation work is done as part of tillage operations for previously grown	\$6.50	
Labor		
Costs included with equipment and installation		
Mobilization		
N/A		
Operation & Maintenance		\$0.70
1% of installation costs		
Acquisition of Technical Knowledge		\$0.00
Calibrate and operate seed drill, manage perennial grass		
Forgone Income		\$10.00
Lost forage production during installation (1-year deferment)		
Risk		\$0.00
Reduced risk, less erosion, less machinery wear & tear.		
Administration & Permit Costs		\$0.00
None		
Total Cost Estimate:		\$80.96

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Typical Implementation Scenario

512.4 Legumes - Seedbed Preparation, Seed & Seeding

Establishing perennial introduced legumes (white clover, red clover, birdsfoot trefoil, cicer milkvetch, etc.) in a mixture with introduced grasses to increase diversity, according to the Oklahoma NRCS Pasture and Hay Planting (512) standard and specification. Plantings can be part of a mixture planted at the same time with grasses or incorporated after base grasses are in place.

Geographic Area: Statewide

Unit for Cost Estimate: Acre

Practice Life (Years): 10

Discount Rate (%/Year): 5%

Cost/Unit

Data Source: 2006-2007 actual cost data

Materials

\$9.50

Costs include: Seed (based on average lbs. PLS and cost per lb. PLS needed to meet 512 Standard and Specification for legume planting); inoculants as required for species planted; any pre-planting preparation as needed to enhance existing stands of grass (mowing, herbicides, disking or burning to create seedbed).

Does not include cost of fertilizer or other soil amendments needed for establishment.

Equipment/Installation

\$13.13

Tractor / drill or broadcaster \$13.13
includes labor costs

Labor

Costs included with equipment and installation

Mobilization

N/A

Operation & Maintenance

\$0.23

1% of installation costs

Acquisition of Technical Knowledge

\$0.00

Calibrate and operate seed drill, manage perennial grass

Forgone Income

\$0.00

None

Risk

\$0.00

Reduced risk, less erosion, less machinery wear & tear.

Administration & Permit Costs

\$0.00

None

Total Cost Estimate:

\$22.86