Contour Buffer Strips (332) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

322.1 Introduced Grass Seed

This practice consists of narrow strips of permanent vegetative cover established around the hill slope and alternated down the slope with wider cropped strips that are farmed on the contour. The buffer strips will be planted to introduced perennial grass species (Bermudagrass seed, Tall Fescue, Tall Wheatgrasses, Old World Bluestem) using the Oklahoma NRCS 512 standard.

This practice includes the costs of introduced warm or cool season perennial grass seed, tractor, drill and labor to plant grass in buffer strips.

Data Source: 2006-2007 actual cost data, OSU Enterprise Budget Software

Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	**Cost/Unit**
Materials Perennial Grass (Introduced Species): (Bermudagrass seed, Tall Fescue, Tall Wheatgrasses, Old World Bluestem)		$24.73
Equipment/Installation/Labor Tractor/Drill/Labor		$13.13
Labor Included in Equipment/Installation		$0.00
Mobilization None		$0.00
Operation & Maintenance 2% O&M factor		$0.76
Acquisition of Technical Knowledge Calibrate and operate seed drill, manage perennial grass		$0.00
Forgone Income 1 Acre taken out of crop production Assume wheat crop minus value of occasional hay/forage crop from herbaceous cover crop. Net Income ($/Ac/Yr) =		$15.63
Risk Reduced risk, less erosion, less machinery wear & tear.		$0.00
Administration & Permit Costs None		$0.00
Total Cost Estimate:		**$54.25**

Contour Buffer Strips (332) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

332.2 Bermudagrass Sprigging

This practice consists of narrow strips of permanent vegetative cover established around the hill slope and alternated down the slope with wider cropped strips that are farmed on the contour. Buffer strips will be planted to bermudagrass sprigs.

This practice includes the costs of bermudagrass sprigs, tractor, sprigger, and labor to plant grass in buffer strips.

Data Source: 2006-2007 actual cost data, OSU Enterprise Budget Software

Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	**Cost/Unit**
Materials Bermudagrass Sprigs		$50.00
Equipment/Installation/Labor Tractor/Sprigger/Labor		$25.00
Labor Included in Equipment/Installation		$0.00
Mobilization None		$0.00
Operation & Maintenance 2% O&M factor		$1.50
Acquisition of Technical Knowledge Calibrate and operate sprigger, manage grass		$0.00
Forgone Income 1 Acre taken out of crop production Assume wheat crop minus value of occasional hay/forage crop from herbaceous cover crop. Net Income ($/Ac/Yr) =		$15.63
Risk Reduced risk, less erosion, less machinery wear & tear.		$0.00
Administration & Permit Costs None		$0.00
Total Cost Estimate:		**$92.13**

Contour Buffer Strips (332) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

332.3 Native Grass Monoculture

This practice consists of narrow strips of permanent vegetative cover established around the hill slope and alternated down the slope with wider cropped strips that are farmed on the contour. Buffer strips will be planted to native species (Big Bluestem, Sand Bluestem, Indiangrass, Switchgrass) as monocultures using the Oklahoma NRCS 512 standard.

This practice includes the costs of grass seed, tractor, drill and labor to plant grass in buffer strips.

Data Source: 2006-2007 actual cost data, OSU Enterprise Budget Software

Cost data from the 550 practice was used for this practice

Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	**Cost/Unit**
Materials Native Grass Species (Big Bluestem, Sand Bluestem, Indiangrass, Switchgrass)		$50.63
Equipment/Installation/Labor Tractor/Drill/Labor		$13.13
Labor Included in Installation cost.		$0.00
Mobilization None		$0.00
Operation & Maintenance 2% O&M factor		$1.28
Acquisition of Technical Knowledge Calibrate and operate seed drill, manage perennial grass		$0.00
Forgone Income 1 Acre taken out of crop production Assume wheat crop minus value of occasional hay/forage crop from herbaceous cover crop. Net Income ($/Ac/Yr) =		$2.74
Risk Reduced risk, less erosion, less machinery wear & tear.		$0.00
Administration & Permit Costs None		$0.00
Total Cost Estimate:		**$67.78**

Contour Buffer Strips (332) **OKLAHOMA**

Cost Data

Typical Implementation Scenario

332.4 Native Grass Mixture

This practice consists of narrow strips of permanent vegetative cover established around the hill slope and alternated down the slope with wider cropped strips that are farmed on the contour. Buffer strips will be planted to a native grass mixture using the Oklahoma NRCS 550 standard. This practice includes the costs of native grass seed, tractor, drill and labor to plant grass in buffer strips.

Data Source: 2006-2007 actual cost data, OSU Enterprise Budget Software
Cost data from the 550 practice was used for this practice

Geographic Area:	Statewide	
Unit for Cost Estimate:	Acre	
Practice Life (Years):	10	
Discount Rate (%/Year):	5%	**Cost/Unit**
Materials Native Grass Seed		$36.52
Equipment/Installation/Labor Tractor/Drill/Labor		$13.13
Labor Included in Installation cost		$0.00
Mobilization None		$0.00
Operation & Maintenance 2% O&M factor		$0.99
Acquisition of Technical Knowledge Calibrate and operate seed drill, manage perennial grass		$0.00
Forgone Income 1 Acre taken out of crop production Assume wheat crop minus value of occasional hay/forage crop from herbaceous cover crop. Net Income ($/Ac/Yr) =		$2.74
Risk Reduced risk, less erosion, less machinery wear & tear.		$0.00
Administration & Permit Costs None		$0.00
Total Cost Estimate:		**$53.38**