FISCAL YEAR 2001 MINNESOTA WILDLIFE HABITAT INCENTIVES PROGRAM (WHIP) PROGRAM PROVISIONS, CONSERVATION PRACTICE PAYMENT DOCKET AND PRACTICE REQUIREMENTS

PROGRAM PROVISIONS

Conservation Practice Payments are authorized for practices:

- 1. Implemented following the contents of the NRCS Field Office Technical Guide,
- 2. Implemented following:
 - a) general provisions, and,
 - b) specific provisions for each practice included in the docket,
- 3. Where a positive environmental benefit from the benchmark condition can be documented. Payments

are not authorized for, or on, existing, in place practices unless approved by the State Conservationist.

GENERAL PROVISIONS

- 1. Pesticides used as a component of any practice will be state approved for the use involved. These pesticides will also be applied according to registered uses, label directions, and other applicable federal or state regulations.
- 2. Soil testing Any practice which includes the application of liming materials and/or commercial fertilizer shall be prescribed based on a soil test taken during the current year or the two preceding calendar years from a soil testing laboratory shown on the attached list. Application rates of lime and fertilizer shall be based on University of Minnesota recommendations, those from an adjoining state's Land Grant University, or those from the MN Department of Agriculture Soil Testing Certification Program.
- 3. Liming Materials Lime refers to Agricultural Liming Material (ALM). All liming material must meet the label information required by Minnesota Statue Section 18C.545 and include: 1) ALM type and ALM quality rating (minimum pounds of effective neutralizing power (ENP) per ton). The University of Minnesota soil test reports provide ALM recommendations in pounds of ENP per acre.
- 4. Land enrolled in CRP, WRP, or Federal Waterbank are not eligible for cost share.
- 5. NRCS Wetland Policy as found in the General Manual 190, Part 410 must be followed. This policy provides direction to the agency for compliance with the National Environmental Policy Act (NEPA). This policy prohibits NRCS from providing technical or financial assistance to producers that will adversely affect wetlands, unless the lost functions are fully mitigated.
- 6. The amount to be cost shared on will be limited to that required by the practice being installed. When additional or alternative work or material is performed or used at the landowner's request,

any costs greater than that required for the practice will be borne by the producer.

- 7. Payment is not authorized where offsite or onsite impacts from the contributing watershed would prevent a practice from achieving its intended purpose with normal operation and maintenance during its intended lifespan.
- 8. Cost sharing is not authorized for planning or technical assistance.
- 9. Minimum individual applicant land ownership is 5 acres.
- 10. A minimum individual or group ranking score of 140 points is required for funding consideration.
- 11. Applicant must provide evidence of ownership or control of the land for the duration of the contract.
- 12. The maximum NRCS cost share is \$10,000, unless approved in advance by the State Conservationist.

CONSERVATION PRACTICE PAYMENT DOCKET AND PRACTICE PROVISIONS

The WHIP Conservation Practice Payment Docket lists practices that have been authorized for payments under the Wildlife Habitat Incentives Program (WHIP) in Minnesota. The docket is a complete listing of primary practices and payment rates. The narrative lists additional program provisions that must be followed.

NRCS Field Office Technical Guide conservation practices not listed in the docket, and new practices may be added upon review and approval by the WHIP Program Manager AND State Conservationist. Written justification must be included in requesting a practice be added to the docket. This justification should include why the addition of the practice is required, including evidence that the practice has potential to address the resource concern, and identification of who will provide technical assistance in implementing the practice.

The MN State WHIP docket lists primary practices authorized for conservation practice payments, the maximum payment rates and limits, and the program specific provisions for various practices. The maximum cost share rate is not more than 75% of reasonable and customary costs. The maximum unit costs listed in the docket may not be increased by the field. However, counties may adjust maximum unit costs **downward** to more accurately reflect local costs. The NRCS state office will solicit changes from the local work groups to the NRCS program dockets, on an annual basis. All locally submitted recommendations or requested changes should be submitted with adequate documentation.

Conservation Practice Payment Methods:

1. Cost Share Payments:

Cost sharing is authorized on the actual cost of implementing a practice up to the maximum cost

listed in the docket. The cost share payment shall be the cost share rate applied to either the actual cost, or the maximum cost, whichever is less. For several practices, the maximum cost shall equal the cost estimate for implementing the practice as calculated by the planner or technician.

2. Incentive Payments:

WHIP funds may not be used for incentive payments. WHIP funds may, however, be combined with other, non USDA, funds. The total payment to the landowner must not exceed the total cost of implementing the practice. Producers wanting to perform practices on land they do not own, or to install practices that require permits are responsible for obtaining the: easements, permits, right-of-way, water rights or other permission necessary to perform and maintain the practices. The permission from the authority must be in writing and a copy must be provided to the local office prior to payments are made on the practice.

SUMMARY OF ELIGIBLE PRACTICES AND COMPONENTS - FY01

The following table summarizes eligible WHIP practices, components and eligible cost share. Refer to "Specific Practice Provisions" for additional practice requirements.

PRACTICE STANDARD/COMPONENT OF ELIG. COST

UNIT COST

75%

NOT TO EXCEED

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EARLY SUCCESSIONAL HABITAT DEVELOPMENT AND MANAGEMENT - 647

A. Brushland and Browse Management

• Chemical

\$ 64.00/ac \$ 48.00/ac.

Mechanical

\$ 90.00/ac \$ 67.50/ac.

• Chemical/Mechanical \$ 108.00/ac \$ 81.00/ac.

• Prescribed burning See practice 338

B. Wildlife Openings

• Chemical

\$ 160.00/ac \$ 120.00/ac.

Mechanical

\$ 290.00/ac \$ 217.50/ac.

•	Chemical/Mechanical \$ 277.50/ac.	\$ 370.00/ac						
• Prescribed burning See practice 338								
FENCE - 382								
• 1.00/ft	Barbed wire \$ 0.75/ft.	\$						
•	Woven \$ 1.25/ft \$ 0.94/ft.							
•	High Tensil -non electric \$ 1.05/ft.	\$ 1.40/ft						
• Other types meeting the 382 standard \$ 1.40/ft \$ 1.05/ft.								
FOREST IM	PROVEMENT - 666							
•	Release - mechanical \$75.00/ac.	\$ 100.00/ac						
• 108.00	Release - chemical % 81.00/ac.	\$						
•	Release - chem/mech \$ 130.50/ac.	\$ 174.00/ac						
•	Control of competition - mechanical \$ 66.00/ac	\$ 88.00/ac						
•	Control of competition - chem/mech \$ 115.50/ac	\$ 154.00/ac						
•	Thinning - hardwoods \$ 75.00/ac	\$ 100.00/ac						
• Thinning - softwoods \$ 150.00/ac \$ 112.50/ac								
FOREST RIPARIAN BUFFER - 391								
•	Animal control device - bud caps - WHIP \$ 0.18/ea.	\$ 0.24/ea						
•	Animal control device - tree shelter \$ 3.00/ea.	\$ 4.00/ea						
•	Hardwood trees and planting \$46.13/100.	\$ 61.50/100						

•	Site prep-hardwoods- chemical \$70.50/ac.	\$ 94.00/ac					
•	Site prep-hardwoods- mech heavy \$ 115.50/ac	\$ 154.00/ac	\$ 154.00/ac				
•	Site prep-hardwoods- mech light \$ 51.00/ac.	\$ 68.00/ac	\$ 68.00/ac				
•	Site prep-hardwods-chem/mech \$ 130.50/ac.	\$ 174.0	\$ 174.00/ac				
•	Site prep-softwoods- chemical \$70.50/ac.	\$ 94.00	\$ 94.00/ac				
•	Site prep-softwoods- chem/mech \$ 130.50/ac.	\$ 174.00/ac	\$ 174.00/ac				
•	Site prep-softwoods- mech heavy \$ 115.50/ac.	\$ 154.00/ac	\$ 154.00/ac				
•	Site prep-softwoods- mech light \$51.00/ac.	\$ 68.00	\$ 68.00/ac				
• 54.00	Shrubs and planting \$40.50/100.		\$				
• Sof	twood trees and planting \$ 48.00/100 \$ 36.00/1	00.					
PRACTICE OF ELIG. C	STANDARD/COMPONENT COST	UNIT COST	75%				
NOT TO EXCEED							
FOREST R	IPARIAN BUFFER (cont)						
•	Weed control - trees - chem/mech \$ 5.40/100'	\$ 7.20/100'	\$ 7.20/100'				
•	Weed control - trees - chemical \$ 1.80/100'	\$ 2.40/	\$ 2.40/100'				
• Weed control - trees - mechanical \$ 7.20/100' \$ 5.40/100'							

PIPELINE - 516 Cost estimate 75% of estimate

PRESCRIBED BURNING - 338

Sites <10 acres \$ 30.00/ac

\$ 22.50/ac.

Sites 10-20 acres

\$

20.00/ac

\$ 15.00/ac.

Sites 20-40 acres

\$

15.00/ac

\$ 11.25/ac.

• Sites >40 acres \$ 10.00/ac \$ 7.50/ac.

POND - 378

estimate

\$ 5000.00 each.

Cost

RESTORATION AND MANAGEMENT OF DECLINING HABITATS - 643

• Native grasses with forbs \$ 400.00/ac \$ 300.00/ac

STREAMBANK / SHORELINE PROTECT - 580

Cost estimate

75%

of

estimate.

FISH STREAM IMPROVEMENT - 395 Cost estimate 75% of estimate.

TROUGH OR TANK - 614 Cost estimate 75% of estimate.

UPLAND WILDLIFE HABITAT - 645

A. Permanent Vegetation-Grass, Legume, Forb

Introduced grass, legume with lime \$ 187.50/ac.

\$ 250.00/ac

Introduced grass, legume w/o lime \$ 93.75/ac.

\$ 125.00/ac

210.00/ac

\$ 157.50/ac.

• Native grasses with forbs \$ 260.00/ac \$ 195.00/ac.

B. Permanent Vegetation - Trees and Shrubs

Native grasses

Animal control device-tree shelters \$ 3.00/ea.

\$ 4.00/ea

Animal control device-bud caps - WHIP \$ 0.18/ea.

\$ 0.24/ea

Container conifers and planting

\$ 7.00/ea

\$

\$ 5.25/ea.

Standard 645

•	Container conifers and \$ 6.00/ea.	\$ 8.00/ea	\$ 8.00/ea					
•	Site prep-tree/shrub-c \$ 70.50/ac.	\$ 94.00/ac						
•	Site prep-tree/shrub-r \$ 51.00/ac.	\$ 68.00/ac						
•	Site prep-tree/shrub-chem/mech \$ 130.50/ac.			\$ 174.00/ac				
•	Tree mats - roll \$ 40.00/100'	\$ 30.00/100'						
• 1.00/ea	Tree mats - square a \$ 0.75	/ea.			\$			
•	• Trees/shrubs and planting \$ 105.00/100.			\$ 14	\$ 140.00/100			
•	Trees/shrubs and planting - MCIA \$ 109.50/100.			\$ 146.00/100				
•	Weed control-tree/shrub-mechanical \$ 5.40/100'.			\$ 7.20/100'				
• Wee	d control-tree/shrub-ch	nemical \$ 2.40/1	100' \$ 1.80/100'.					
PRACTICE : OF ELIG. CO	STANDARD/COMPO OST	UNIT COST	75%					
NOT TO EXCEED								
WELL - 642	Cost estimate 75% of e	estimate.						
WETLAND	RESTORATION - 65	7 \$ 533.00/ac \$	5 400.00/ac.					
WINDBREA 645	K - 380			See	Standard			
WINDBREA	K/SHELTERBELT I	RENOVATIO	N - 650					
•	Establishment				See			

• Site prep - removal \$ 1000.00/ac \$ 750.00/ac.

SPECIFIC PRACTICE PROVISIONS

EARLY SUCCESSIONAL HABITAT DEVELOPMENT AND MANAGEMENT - 647

PURPOSE: To manage early plant succession to benefit desired wildlife or natural communities.

REQUIREMENTS:

- 1. A detailed plan is required.
- 2. Practice lifespan is 10 years.
- 3. Prescribed burning is an eligible site preparation component if determined necessary for successful practice application.
- 4. Cost sharing: 75% of eligible cost not to exceed as follows:

A. <u>BRUSHLAND AND BROWSE MANAGEMENT:</u> - To develop and maintain brushland and browse in transition and forest areas to benefit deer, moose, sharp-tail grouse, and other wildlife. To control encroachment of undesirable woody vegetation into existing grasslands (see also 388 prescribed burning). NOTE: this practice is not to be utilized as site preparation for permanent vegetative cover plantings.

• Chemical = \$48.00/ac

• Mechanical = \$67.50/ac

• Chem/Mech = \$81.00/ac

• Prescribed burning See practice 338

B. <u>WILDLIFE OPENINGS</u>: - To construct new openings or maintain existing openings in forested areas to improve habitats for deer and other species which utilize openings. Cost includes site preparation, seed and seeding.

• Chemical = \$120.00/ac

• Mechanical = \$217.50/ac

• Chem/Mech = \$277.50/ac

Prescribed burning See practice 338

FENCE - 382

PURPOSE: To protect stands of desirable forest trees, streams or sensitive areas from destructive effects of grazing and to prevent soil erosion and water quality impairment in critical areas.

- 1. Cost share is eligible for existing livestock operations. Establishment of fencing is limited to permanent fences utilizing new materials, excluding property boundary and road fences.
- 2. Cost share is not authorized unless the purpose of the fence is documented as providing resource protection. Cost share amounts listed include all appurtenances.
- 3. Cost share is not authorized for removal of existing fence, clearing obstructions, providing powers sources, or removal of woody vegetation.
- 4. Cost share is not authorized when the primary purpose is of the fence is for keeping livestock off roads or marking property boundaries.
- 5. When fencing is a component of a prescribed grazing system, applicant must have a NRCS approved grazing plan.
- 6. Practice lifespan is 10 years.
- 7. Cost Share: 75% of eligible cost not to exceed:

• Barbed Wire \$ 0.75/ft.

• High Tensil - non electric \$ 1.05/ft.

• Woven \$ 0.94/ft.

• Others meeting the 382 standard \$ 1.05/ft.

FISH STREAM IMPROVEMENT - 395

PURPOSE: To improve or restore aquatic ecosystem functions and values within a stream corridor for one or both of the following purposes: to increase survival and/or production of desired fish, or increase diversity and/or abundance of fish in a stream ecosystem.

REQUIREMENTS:

- 1. NRCS conservationist will consult with MDNR Area Fisheries Manager for a feasibility determination and preliminary plan prior to approval.
- 2. Applicant is responsible for obtaining all applicable permits in advance of final contrcat approval and construction activities.
- 3. Where instream structures are proposed, priority funding will be considered where the landowner agrees to provide a public access easement.
- 3. Practice life span is 10 years.
- 4. Cost share: 75% of eligible cost based on engineers estimate.

FOREST IMPROVEMENT - 666

PURPOSE: The purpose of this practice is to improve or protect a stand of desirable trees, to

enhance the growth of the stand, or to remove noxious or exotic woody plant species from existing stands.

REQUIREMENTS:

- 1. Technical Responsibility is assigned to the MN/DNR Division of Forestry, or qualified planner.
- 2. All improvements will be accomplished according to a detailed forest management plan.
- 3. Cost sharing is not authorized for pruning trees.
- 4. Control of competition is eligible only where competition has become a significant threat to regeneration.
- 5. Practice lifespan is 10 years.
- 6. Cost share: 75% of eligible cost not to exceed:
- A. Release:

• Mechanical = \$75.00/acre

• Chemical = \$81.00/acre

• Chemical/Mechanical = \$ 130.50/acre

- B. Thinning:
 - Hardwoods = \$75.00/acre
 - Softwoods = \$ 112.50/acre
- C. Control of woody competition
 - Mechanical = \$66.00/acre
 - Chemical/Mechanical = \$ 115.50/acre

FOREST RIPARIAN BUFFER - 391

PURPOSE: An area of trees, shrubs and other vegetation located in areas adjacent to water bodies. The purpose is to reduce excess sediment, nutrients and pesticides, and improve fish and wildlife habitat

- 1. Cost share assistance is available for restoring **natural species and composition** of forest and grassland communities.
- 2. This practice has a lifespan of 10 years.

3. Cost share; 75% of eligible cost not to exceed:

A. Site Preparation

- Hardwoods chemical \$70.50/ac.
- Hardwoods chem/mech
 \$ 130.50/ac.
- Hardwoods mechanical heavy
 \$ 115.50/ac.
- Hardwoods mechanical light \$ 51.00/ac.
- Softwoods chemical \$ 70.50/ac.
- Softwoods mechanical heavy \$ 115.50/ac.
- Softwoods mechanical light \$ 51.00/ac.
- Softwoods chem/mech \$ 130.50/ac.

B. Planting

- Hardwood trees and planting \$ 46.13/100.
- Softwood trees and planting \$ 36.00/100.
- Shrubs and planting \$ 40.50/100.
- C. Weed Control performed during the first 36 months after planting as needed.
 - Weed control-trees-chemical (one application per year) \$ 1.80/100'
 - Weed control-trees-mechanical (3 cultivations) \$ 5.40/100' (total/year)
 - Weed control-trees-chem/mech \$ 5.40/100'
- E. Animal Damage Control (materials/installation)
 - 4' Tree shelter \$ 3.00/ea.

• Bud caps - Softwoods

(cost share payment includes materials and annual \$ 0.18/ea installation costs for the first three years).

PIPELINE - 516

PURPOSE: Pipeline installed for conveying water from a surface water source to an offsite location.

REQUIREMENTS:

- 1. Cost sharing is authorized when required as a component of a Prescribed Grazing System, Practice Standard 528A.
- 2. Cost sharing is authorized for permanently installed pumps required as an integral part of a system for supplying stock water.
- 3. Cost share is not authorized for power sources.
- 4. Cost share: 75% of eligible cost based on planner/technician estimate. Practice lifespan is 10 years.

PRACTICE STANDARD 378 - POND

PURPOSE: Improve water quality, provide water for fish, wildlife and recreation.

REQUIREMENTS:

- 1. Cost share is restricted to <u>upland</u> embankment type ponds, excavated ponds are not eligible for cost share. Projects involving the restoration or enhancement of former or existing wetlands shall be considered under practice 657 Wetland Restoration/Enhancement.
- 2. Livestock must me excluded from pond.
- 3. Practice lifespan is 20 years.
- 4. Livestock watering facility components are eligible as part of a Prescribed Grazing System.
- 5. Cost share: 75% of eligible cost not to exceed \$5000.00 each.

PRESCRIBED BURNING - 338

PURPOSE: Control undesirable vegetation and plant disease, improve wildlife habitat, and improve forage quality and production.

REQUIREMENTS:

1. A detailed burn plan describing the practice objective, species to control and species to be benefited, timing, weather conditions and management guidelines will be developed.

- 2. Technical assistance can be provided through plan preparers technically qualified to prepare burning plans.
- 3. All laws and regulations pertaining to burning will be followed.
- 4. The conservation plan must document that the landowner has been notified in writing that they are subject to all liability due to damages caused by out of control fire.
- 5. It is the landowner's responsibility to obtain all permits and notify surrounding landowners who may be affected.
- 6. Cost share is eligible once every 5 years and not more than twice for the same area for the life of the contract.
- 7. Associated costs with obtaining and notification of neighbors, units of government, and agencies is entirely the landowners expense.
- 8. Practice lifespan is 5 years.
- 9. Cost share: 75% of eligible cost not to exceed;
 - \$22.50/acre for sites <10 acres in size.
 - \$15.00/acre for sites 10-20 acres in size.
 - \$11.25/acre for sites 20-40 acres in size.
 - \$7.50 /acre for sites >40 acres.

PRESCRIBED GRAZING - 528A

PURPOSE: Controlled harvest of vegetation with grazing animals to improve plant health and vigor, provide food and cover for wildlife, improve water quality and reduce accelerated soil erosion.

REQUIREMENTS:

- 1. A detailed pasture management plan is required.
- 2. The life span of this practice is 5 years.
- 3. No cost share authorized for technical assistance.

RESTORATION AND MANAGEMENT OF DECLINING HABITATS - 643

PURPOSE: to restore and conserve rare and declining native vegetative communities and associated wildlife species.

REQUIREMENTS:

1. A detailed plan is required, in accordance with the specifications outline in the standard.

- 2. Practice lifespan is 10 years.
- 3. Cost share: 75% of eligible costs, seedbed preparation, seeding, clipping (up to 5 times during the first 24 months of establishment), seed, fertilizer, lime and herbicide as appropriate, not to exceed;
 - Native grasses with forbs ecosystem restoration = \$300.00/ac
 - Native tree component of Oak Savanna restoration = See practice 645

STREAMBANK AND SHORELINE PROTECTION - 580

PURPOSE: To stabilize or protect banks of streams and lakes to reduce downstream sediment loads and improve the stream or lake for fish and wildlife habitat.

REQUIREMENTS:

- 1. Applicant is responsible for obtaining all applicable permits in advance of construction activities.
- 2. Practice lifespan is 20 years.
- 3. Cost share: 75% of eligible cost based on engineers estimate.

TROUGH OR TANK - 614

PURPOSE: To provide an off stream site for livestock watering.

REQUIREMENTS:

1. Cost sharing is authorized when required as a component of a Prescribed Grazing System, Practice

Standard 528A.

2. Cost sharing is authorized for permanently installed pumps required as an integral part of a system for

delivering stock water.

- 3. Cost sharing is not authorized for power sources.
- 4. Practice lifespan is 10 years.
- 5. Cost share: 75% of eligible cost based on planner/technician estimate.

USE EXCLUSION - 472

PURPOSE: To protect, maintain or improve the quality of soil, water, plant and animal resources through the exclusion of animals from an area.

REQUIREMENTS:

1. The operator must not graze, hay, or harvest the area to be excluded unless specifically authorized by

the plan.

2. Practice is only authorized in conjunction with practices benefiting riparian areas where the current

condition shows environmental damage and the exclusion directly results in environmental benefits.

- 3. Practice lifespan is 10 years.
- 4. This practice not authorized for cost share.

WELL -642

PURPOSE: To protect surface waters from livestock degradation by providing a ground water source for livestock watering

REQUIREMENTS:

1. Cost sharing is authorized when required as a component of a Prescribed Grazing System, Practice

Standard 528A.

- 2. Practice lifespan is 20 years.
- 3. Cost share: 75% of eligible cost based on planner/technician estimate.

WETLAND RESTORATION - 657

PURPOSE: To establish or restore the appropriate hydrological and vegetative characteristics necessary to meet the desired wetland functions and values.

REQUIREMENTS:

- 1. The producer is responsible for obtaining easements, rights of way, local, state and federal permits and other permission necessary to perform and maintain the practice. Contract will not be approved until proof of necessary permits has been provided.
- **2. NOTE:** Wetland <u>enhancement</u> (type conversion) applications shall be reviewed in consultation with the DNR Area Wildlife Manager and FWS local private lands coordinator as appropriate, to determine whether significant wetland functions will be adversely effected. Where inter-agency concurrence is secured, the application shall be considered eligible. Where inter-agency concurrence is not reached locally, the application shall be submitted to the NRCS State Conservationist for a final eligibility determination.
- 3. The restored area shall not be used for irrigation water purposes.
- 4. The restored area shall not be used to produce agricultural commodities.
- 5. Practice lifespan is 10 years.
- 6. Cost share: 75% of eligible cost not to exceed \$400.00 per restored acre.

UPLAND WILDLIFE HABITAT MANAGEMENT - 645

PURPOSE: Several practices may be applied as part of a wildlife system to provide food, cover or water for desired upland species, or manage wildlife habitat to achieve desired seral stage.

- 1. Cost sharing is authorized for practice establishment and management.
- 2. For introduced grasses and legumes, a soil test during the year of seeding or the preceding two calendar years is required to determine the needs of commercial fertilizer and liming materials. The rate of application of commercial fertilizer and lime shall not be less than 75% of the recommended rate per acre of total available plant food. Small grain nurse corps must be left unharvested until August 1 of the establishment year to be eligible for cost share reimbursement.
- 3. Individual grass, tree and shrub plantings should be designed with a diverse mix of trees and shrubs to restore natural plant communities or maximize wildlife benefits. In all cases, plantings greater than 10.0 acres will consist of a mixture of species. Plantings less than 10.0 acres may consist of monotypic species if the purpose of the design is to restore natural community conditions (example; white pine restoration).

- 4. Practice will be protected from mowing, grazing and uncontrolled fire for the duration of the contract unless specifically identified in the management plan.
- 5. Practice lifespan is 10 years.
- 6. Maximum cost share per component is 75% of eligible cost not to exceed prescribed maximums as follows:

A. <u>PERMANENT VEGETATIVE COVER ESTABLISHMENT - GRASSES, LEGUMES</u> AND

FORBS:

- 1. Seedbed preparation, seeding, clipping (up to 5 times during the first 24 monnths of establishment), seed, fertilizer, lime and herbicide as appropriate.
 - Introduced grasses and legumes with lime = \$187.50/ac
 - Introduced grasses and legumes without lime = \$93.75/ac
 - Native grasses = \$157.50/ac
 - Native grasses with forbs
 \$195.00/ac

B. PERMANENT VEGETATIVE COVER ESTABLISHMENT - TREES AND SHRUBS:

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1. Site Preparation:

• Trees/Shrubs - Chemical = \$70.50/ac

• Trees/Shrubs - Mechanical (light) = \$51.00/ac

• Trees/Shrubs - Chem/Mechanical = \$130.50/ac

- 2. Trees/shrubs (conservation grade), and planting:
 - Trees and shrubs

= \$105.00/hundred. MCIA stock = \$109.50/hundred.

• Container conifers = \$5.25 each.

MCIA stock \$6.00 each.

- 3. Weed Control Performed during the first 36 months after planting as needed for
 - Mechanical up to 3 cultivations, maximum cost = \$5.40 per hundred feet of row.

(the \$5.40 is the maximum payment per year not per cultivation.)

- Chemical one application per year, maximum cost = \$1.80 per hundred feet of row.
- Tree Mats (installed) = \$30.00 per hundred feet of row, or

\$0.75 per square.

establishment.

- 4. Animal Control Devices includes tree shelters and bud caps.
 - Tree Shelters (includes shelter, stake, and installation): = 4' shelter = \$3.00 each
 - Bud Caps Softwoods = \$ 0.18/each

(cost share payment includes materials and annual installation costs for the first 3 years)

WINDBREAK -380

PURPOSE: Multiple rows of trees and shrubs established to: reduce wind erosion, manage snow, provide shelter for structures and livestock, provide wildlife habitat and improve aesthetics.

REQUIREMENTS:

1. Cost sharing components for establishing windbreaks shall follow the costs of Practice 645 - Wildlife

Upland Habitat Management; Permanent Vegetative Cover - Trees/Shrubs.

2. Farmstead shelterbelts shall be a minimum of 10 rows. See Biology Technical Note #MN-4

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wildlife considerations.

- 3. Field windbreaks shall be a minimum of 3 rows.
- 4. The life span for this practice is 10 years.

WINDBREAK/SHELTERBELT RENOVATION - 650

- 1. Requirements identified under practice 380 must be met.
- 2. Cost share on tree removal is authorized if determined needed by technician.
- 3. Cost share on removal is limited to 75% of actual cost not to exceed \$ 750/acre.