



FORESTRY TECHNICAL NOTE

Tree/Shrub Planting Plan and Record

Form MT-ECS-108

Robert D. Logar, State Staff Forester

Introduction: The following provides a spreadsheet with revisions to the Tree/Shrub Planting Plan and Record Form, MT-ECS-108. The form allows for a way of collecting, summarizing and expressing the information needed for a tree/shrub planting or windbreak/shelterbelt design.

General: Planners will be able to use this Tree/Shrub Planting Plan and Record Form if they are familiar with NRCS forestry practice standards and understand basic planting terminology. The state staff forester is responsible for any summary form editing or revising. The original summary form is protected so that the summary form cannot be corrupted accidentally.

The Tree/Shrub Planting Plan and Record Form can be downloaded from the Montana NRCS web site at <http://www.mt.nrcs.usda.gov/technical/ecs/forestry/technotes/>. Select the Microsoft Excel file named MT-ECS-108.xls. Save the file in the desired location.

The form is designed to assist planners in identifying needed information to develop plans, practice designs and document records for the Windbreak/Shelterbelt Establishment (380) and Tree/Shrub Establishment (612) practices.

A blank Tree/Shrub Planting Plan and Record Form, MT-ECS-108, is included in this technical note. An example of one filled out is also included.

FEATURES: The form is used to record and summarize tree/shrub planting data needed for conservation planning. It summarizes and describes:

- 1) Client information
 - Name
 - Address
 - Phone number
- 2) Site information
 - Soil type(s)
 - Conservation Tree/Shrub Suitability Group (CTSG)
 - Distance from roads or structures (homestead, building)
 - Planting date

- 3) Planning data
 - Planned by
 - Approved by
 - Title
 - Date
- 4) Design
 - Location
 - Arrangement (over view)
- 5) Type of planting
 - Farmstead
 - Livestock
 - Reforestation
 - Field
 - Wildlife
 - Living Snow Fence - Highway
- 6) Cost share program
 - Conservation Reserve Program (CRP)
 - Environmental Quality Incentive Program (EQIP)
 - Wildlife Habitat Incentive Program (WHIP)
 - Other
 - None
- 7) Arrangement (detailed)
 - Row number
 - Row length
 - In row spacing
 - Species – common name
 - Between row spacing
 - Number of tree/shrubs planned
- 8) Fabric
 - Needed
 - Length - feet
- 9) Notes
- 10) Operation and maintenance section.

PRINTING: This form can be printed using the default office laser printer.

Operation and Maintenance:

Replacement of dead trees or shrubs will be continued until the practice is functional.

Plants that have failed to grow shall be replaced no later than the second year. Void spaces are difficult to fill after the planting is over two years old. Gaps in the tree or shrub rows seriously reduce effectiveness and appearance of the planting.

Controlling competing vegetation is needed to maintain the establishment, health, and vigor of the plantings. Vegetative competition control is needed for the life of established windbreak/shelterbelt.

Between the rows, cultivate two to four inches in depth. It shall be timely and frequent enough to keep the planting reasonably free from vegetative competition.

Within the rows, cultivate no deeper than three inches and no closer than two feet from the base of the plant. The optimum time to perform this activity is several times throughout the growing season.

Some hand hoeing in the rows is desirable to remove weeds near the trees for at least three years after planting.

Use caution in the application of chemical weed sprays in the vicinity of woody plantings.

Strict adherence to label recommendations is essential to avoid damage to plantings.

Mulches, fabrics, and tree mats will reduce the amount of maintenance needed to keep the planting growing and to control vegetative competition. Periodically inspect woven fabric to ensure tree girdling is not occurring.

On sandy-textured soils that will blow if left exposed, a cover crop, two to four feet wide, may be left or planted between the rows to control soil blowing.

Provide at least a 12-foot cultivated strip on all sides of the planting to control vegetative competition.

Thin the barrier to maintain its function.

Prune to eliminate weak or infected branches and repair injured trees.

Damaging pests will be monitored and controlled.

Maintaining the planting in a vigorous growing condition will aid in control of damaging pests. Early detection and application of control measures can often prevent extensive damage.

Control deer and rodent damage by using fencing, repellents, or poisoning.

Inspect plantings frequently for signs of animal damage and adjust protection accordingly.

Replace or re-stake any protector tube that has been damaged, fallen or been knocked over.

Periodic applications of nutrients may be needed to maintain plant vigor.

Protect plantings from fire by clean cultivation or the use of vegetative fire breaks.

Supplemental watering may be desirable to ensure adequate survival.

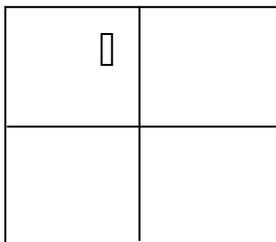
Replanting will be required when survival is inadequate.

EXAMPLE
Tree and Shrub Planting
Plan and Record

Name Jerry Brown

Address _____

Phone 778-2162



Planned by:

Ann Fischer

Planted by:

Date:

5/31/2006

Date:

Soil Type(s)

91C, 160E, 291D

CTSG

6D-6G

NW 18 6N 60E
Quarter Sec. Twp. Range

Distance from roads or buildings:

~50'

Approved by:

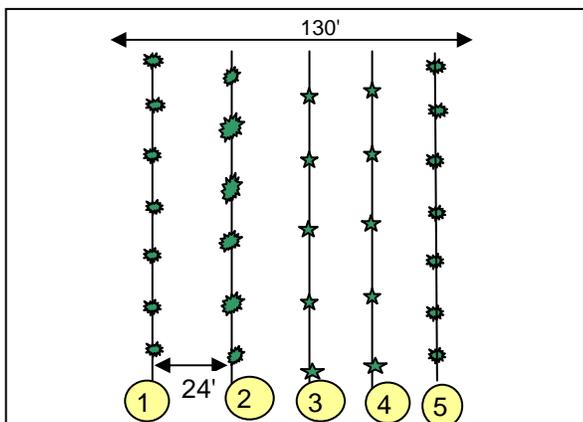
Ann Fischer

Date:

5/31/2006

Title:

D.C.



DESIGN

Type of Planting:
Planting designed for...
(check as many as apply)

Farmstd	Livestock	Reforest
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Field	Wildlife	Highway
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Cost share program

CRP	EQIP	WHIP
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other		None
<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Field No.	Planned Length	Planted Length	Between Row Space	Acres	Row #	Row #1 is on North or West Side of Planting	Spacing in row	Number of tree/shrub planned	Number Planted (actual)
						Species of Tree or Shrub			
1	350		24'		1	Caragana	4	88	
	350		24'		2	Rocky Mtn. Juniper	12	29	
	350		24'		3	Ponderosa Pine	12	29	
	350		24'		4	Green Ash	12	29	
	350		24'		5	Lilac	4	88	
								0	
								0	
								0	
								0	
								0	
								0	
								0	
								263	

FABRIC: YES NO
X

Number of feet of fabric needed: 1750 Feet

NOTES:

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