

Customer Name:		Date:	
Farm:		Planned Acres:	
Tract:		County:	
Field:		Prepared by:	
Notes (CP #, etc.)			

Practice Purpose(s): (check all that apply)

- Reduce soil erosion from wind
- Enhance plant productivity and health by protecting plants from wind-related damage
- Manage snow distribution to improve moisture utilization by plants
- Manage snow deposition to reduce obstacles, ponding, and flooding that impacts other resources, animals, structures, and humans
- Improve moisture management by reducing transpiration and evaporation losses and improving irrigation efficiency
- Provide shelter from wind, snow, and excessive heat, to protect animals, structures, and humans
- Improve air quality by intercepting airborne particulate matter, chemicals, and odors, and/or by reducing airflow across contaminant or dust sources
- Reduce energy use in heating and cooling buildings, and in relocating snow
- Increase carbon storage in biomass and soils

Location and Layout

Planning Details						
Expected Functional 20 Year Height of Windbreak						
Distance from Windward Row of Windbreak to Protected Feature (if applicable)						
Direction(s) from which problem wind blows						
Soil Drainage Class(es):				USDA Plant Hardiness Zone:		
Notes (Include, if applicable, utilities or tile mitigations, offsets from roads or intersections, irrigation equipment mitigations, height of feature to be protected, and other issues as needed)						
Leg #	# of Rows	Vegetation Type and Form (e.g., 1 row of hardwood trees, 1 row of conifer trees, and 1 row of deciduous shrubs)	Length (feet)	Width (feet)	Planned Density (%)	Acres
Total length of all rows (multiply leg length x number of rows; add together for all legs):						

MAP: (Attach map of treatment area(s) or sketch map here. Include location of legs and rows, length + width of rows, location of protected features, roads, utility corridors, irrigation equipment, north arrow, scale bar, and access routes.)

PLANTING PLAN:

Field #:	
Existing Environment:	<input type="checkbox"/> Cropland <input type="checkbox"/> Fallow <input type="checkbox"/> Pasture <input type="checkbox"/> Re-plant <input type="checkbox"/> Other:
Planting Method:	Hand: <input type="checkbox"/> Dibble bar or Hoedad <input type="checkbox"/> Shovel or Auger Machine: <input type="checkbox"/> Tree Planter
	Other:
Site Preparation:	<input type="checkbox"/> Herbicide <input type="checkbox"/> Mowing <input type="checkbox"/> Heavy Disking <input type="checkbox"/> Light Disking <input type="checkbox"/> Other:
Site Prep Requirements (Complete 490 IR if required to implement this practice):	
Planting Protection	<input type="checkbox"/> Tube/Solid Protector <input type="checkbox"/> Mesh Protector <input type="checkbox"/> Cage <input type="checkbox"/> Bud Caps <input type="checkbox"/> Area Protection <input type="checkbox"/> Other:
Protection/Control Requirements:	
Weed Control During Establishment	<input type="checkbox"/> Pre-emergence Herbicide <input type="checkbox"/> Post-emergence Herbicide <input type="checkbox"/> Spot Spray <input type="checkbox"/> Herbicide Band <input type="checkbox"/> Mowing <input type="checkbox"/> String-trimming <input type="checkbox"/> Hand weed/hoe <input type="checkbox"/> Weed Fabric/Mat <input type="checkbox"/> Mulch <input type="checkbox"/> Other:
Weed Management Requirements/Frequency of Treatment:	

Planting Details

Planting Date

Planting Notes (e.g., row configuration, species layout within rows, etc.)

Leg # & Row #	Tree/Shrub Species	Stock Type and Size (e.g., Bareroot, 2-0)	In-Row Spacing (feet)	Total # of Plants in Row	# of Plants with Protection	Spacing from this Row to Next Row (ft)
Total						

Long-term Management (Operation and Maintenance):

- Inspect the planting annually and after major storm events or other disturbances to identify needs for repair and maintenance.
- Maintain protection for trees and/or shrubs during establishment, and remove protective structures (e.g., tube shelters, cages) when plants are large enough to withstand stressors.
- Protect trees and shrubs from adverse impacts including insects, diseases, competing vegetation, fire damage, spray drift, animals, etc.
- Apply maintenance practices and activities at times that minimize wildlife disturbance during the reproductive period for desired species, where wildlife habitat is a consideration.
- Monitor tree or shrub establishment and replace dead trees or shrubs as needed until the windbreak is functional.
- Provide supplemental water if needed during the establishment period.
- Manage competing vegetation during establishment, including removal of species on federal and state invasive species or noxious weeds lists.
- Thin the windbreak to remove dead, injured, or diseased wood and to maintain windbreak function.
- For Conservation Reserve Program (CRP) plantings, follow Job Sheet 397 – “Conservation Cover Maintenance” to maintain compliance with program requirements.

Implementation Timeline

Component/ Requirement	Summary specifications for each component/requirement (See notes and form above for details)	Date to Complete	Date Installed	Date Established/Certified
Total Number of Tree/Shrubs Planted. Total Length of rows for weed fabric (if planned).			n/a	n/a
Site Preparation				
Planting Date & Implementation				
Operation & Maintenance (Competition Control)				

USDA is an equal opportunity provider, employer, and lender.