

TECHNICAL NOTES

U.S. Department of Agriculture

Natural Resources Conservation Service

TN – PLANT MATERIALS - CA - 81

April, 2009

FIELD AND DEMONSTRATION PLANTINGS

Attached is Plant Materials Technical Note No. 81, Field and Demonstration Plantings.

This technical note provides guidance on installation and evaluation of plant materials field and demonstration plantings. The technical note provides considerations for development and design of plantings and gives guidelines regarding coordination between field offices and plant materials centers (PMC) and specialists (PMS).

This technical note also contains an appendix of field planting establishment and evaluation forms.

TECHNICAL NOTE

USDA-Natural Resources Conservation Service
Davis, California - Boise, Idaho - Salt Lake City, Utah

TN PLANT MATERIALS NO. 81

APRIL 2009

FIELD AND DEMONSTRATION PLANTINGS

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Daniel G. Ogle, Plant Materials Specialist, Boise, Idaho



Aberdeen, Idaho PMC Grass Display Nursery demonstrating differences in phenology and morphology of 'Bromar' and 'Garnet' mountain brome (*Bromus marginatus*). Photo by Dan Ogle, NRCS, Idaho

FIELD AND DEMONSTRATION PLANTINGS

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Daniel G. Ogle, Plant Materials Specialist, Boise, Idaho

Introduction

Field plantings are non-replicated, small acreage plantings used by the Plant Materials Program (PM) to assess the conservation potential of new or developing plant materials and technology under actual field conditions. Field plantings are among the many tools used in the plant materials program to evaluate and promote plant materials and can serve a number of purposes.

First, field plantings are an excellent way to complete final evaluations of promising plant materials under real life (farmer installed with actual farm equipment) conditions. The plant materials program depends on landowner participation to field-test new selections of grasses, forbs, and woody plants and the best methods to get them established. This happens by working with local conservation districts and NRCS field offices that are routinely in contact with local farmers and ranchers who show interest in looking at new plants and technologies. This unique relationship allows the plant materials program to field-test new plant materials and establishment technologies in a “real world” setting on farms and ranches throughout the PMC service area and other promising locations. The results of field plantings provide information and confidence to conservation planners to recommend these plant materials to address various conservation needs.



Field Planting of Aberdeen PMC Releases

Snake River Plains fourwing

**Northern Cold Desert winterfat
Anatone bluebunch wheatgrass**

Photo: Dan Ogle, Plant Materials Specialist, NRCS, Boise, Idaho

Photo Near: White Bird, Idaho

Second, field plantings can be utilized to further test and potentially promote released plant materials. This includes both new and older releases whose adaptation or utilization in addressing conservation concerns and landowner priorities may not be fully understood. This technique builds field staff confidence in well-adapted plant materials.

Conservationists will also more readily recommend plant materials they are familiar with over materials with which they have no experience.

Third, field plantings are a good means to evaluate the plant material's value to solve a specific resource problem or concern; for example, when it is uncertain what materials will work best to solve that specific problem or concern. This application is essentially a non-replicated Conservation Field Trial (CFT). These are used as a tool to evaluate new technologies, species or plant releases to address local soil and water resource problems. Data obtained in field plantings can further be used to expand information available in plant guides, technical notes, eVeg Guides or VegSpec recommendations for specific practices.

Field offices should also consider the use of demonstration plot plantings. Demonstration plantings are composed of small plots of plants that are grown side by side for simple comparison of vigor, plant size and other growth characteristics. The species planted in these plots should be those typically used for conservation purposes within the general area of the demonstration planting. These simple demonstrations allow cooperators and field staff to compare different species or different releases of the same species. Demonstration plots are also a useful place for field staff to show a cooperator what a species looks like when it is being recommended.



Demonstration Turf Plot Planting, Ontario, OR. Photo: Dan Ogle, NRCS, Idaho

Field plantings should not be confused with other plant materials selection trials such as Initial Evaluation Plantings (IEPs), Advanced Evaluation Plantings (AEPs) and common garden studies. These are replicated scientifically designed studies conducted under controlled settings in order to find and document differences between accessions of a species.

Field Planting Design and Development

Field plantings are not intended to be a scientific study. These plantings are almost never installed under replicated conditions. However, under most circumstances, they should be installed along side a standard of comparison (the species or plant materials currently utilized under similar conditions). The Plant Materials Specialist or Plant Materials Center staff can work with you to design a planting or suggest species appropriate to the site and landowner objectives.

The field planting process should be initiated either by the conservation district, field office staff or the land owner. Field offices are encouraged to suggest field plantings to cooperative land owners. The field office can then contact the plant materials center or plant materials specialist to determine if potential species and accessions are available and for assistance in developing a planting plan.

Because there is rarely much seed available for allocations, field planting seed requests are usually limited to enough seed to plant 0.25 to 5 acres, and the cooperator is asked to plant the remaining area to the standard of comparison. Demonstration plots are typically considerably smaller in scale and require a minimal amount of seed.

The form CA-ECS-09 (appendix) is required for developing plans for field plantings in cooperation with the land owner(s).

Obtaining Seed

To obtain seed for a field planting, seed can be requested from the PMC(s) or PMS. This is often done through the conservation district or area representative to the Plant Materials Committee. If seed is available at the PMC(s), no cost is required for the field planting seed. If seed is not available through the PMC(s), then seed may need to be purchased. This is most commonly done by working with the State Resource Conservationist and using CTA funds to complete the purchase. Because this is a technology transfer – technology development program primarily between the Field Office and landowner, no PMC funds (funds intended for the operation of the PMC) should be expended. The standard of comparison seed is normally provided by the landowner. Remember to plan ahead - seed requests must be made at least four to six weeks in advance.

Evaluation

The PMC and PMS would like to obtain as much information as possible regarding the planting in order to make the data obtained accessible to a broad audience. Typically field plantings are evaluated for percent germination, survival of planted material and other general growth measurements. Evaluations are commonly conducted annually for the

first five years of the planting and then only every 2-3 years thereafter. Once all information considered of value to the Field Office, PMC or PMS has been obtained, then the planting is commonly cancelled and no longer evaluated.

A Planting and Site Information form CA ECS-01 (appendix) should be completed at the time of installation. This will provide basic site information and installation/ management practices that can be useful in developing progress reports, plant guides, technical notes and other documents.

Several forms are available in the appendix for the evaluation of different types of field plantings.

- CA ECS-02 Evaluation of Herbaceous Species
- CA ECS-03 Evaluation of Woody Species
- CA ECS-04 Evaluation of Demonstration/Plot Plantings
- CA ECS-05 Evaluation of Seed Increase Plantings

These forms are usually filled out by the field office staff and the land owner. Not all data is required, but the more information that is provided, the more valuable the results will be for future reference. Certain items on the evaluation sheet may not apply to all plantings. The forms are intended as a guide and can be modified or supplemented as necessary.

Field planting evaluations (copies) should be submitted to the PMC or PMS. Evaluations will then be used to develop summaries of this information which will be presented at Plant Materials Committee Meetings. Committee members will then disseminate the report to Field Offices and other interested parties.

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PLANT MATERIALS – PLANTING AND SITE INFORMATION (as installed)

COOPERATOR _____ PLANTING NO. _____

CULTIVAR/ACC.NO. 1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

FIELD OFFICE _____ PURPOSE _____

PLANTING DATE _____ EVALUATOR _____

SOIL _____ SOIL pH _____ SOIL LIMITATIONS _____

SLOPE / ASPECT _____ / _____ RAINFALL ZONE _____ ELEVATION _____

INSTRUCTIONS: EACH COLUMN REPRESENTS A DIFFERENT SPECIES

WRITE IN THE APPROPRIATE DATA

WRITE IN SPECIES AT TOP OF COLUMNS:

SEEDBED PREPARATION	TILLAGE	_____	_____	_____	_____	_____
	PACKING	_____	_____	_____	_____	_____
	OTHER	_____	_____	_____	_____	_____
CONDITION OF SEEDBED	excellent, good fair, poor	1 _____	2 _____	3 _____	4 _____	5 _____ 6 _____
KIND OF MATERIAL	seed, sod, clone, cutting, graft, sprig, layering	1 _____	2 _____	3 _____	4 _____	5 _____ 6 _____
PLANTING METHOD	SEED	DRILL - SPACING	_____	RATE PER ACRE	_____	
		AERIAL - BROADCAST	_____	RATE PER ACRE	_____	
	TREE/ SHRUB	HAND PLANT	_____	TREE PLANTER	_____	
SOIL MOISTURE	good, adequate, too dry, too wet	1 _____	2 _____	3 _____	4 _____	5 _____ 6 _____
WEED INFESTATION	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____ 6 _____
IRRIGATION KIND		FULL-SEASON		LIMITED-SEASON		
HERBICIDE KIND:	LBS/ACRE	_____	_____	DATE APPLIED	_____	
FERTILIZER, NITROGEN	LBS/ACRE	_____	_____	DATE APPLIED	_____	
FERTILIZER, PHOSPHORUS	LBS/ACRE	_____	_____	DATE APPLIED	_____	
FERTILIZER, POTASSIUM	LBS/ACRE	_____	_____	DATE APPLIED	_____	
FERTILIZER, OTHER	LBS/ACRE	_____	_____	DATE APPLIED	_____	

COMMENTS:

PLANT MATERIALS – EVALUATION OF HERBACEOUS PLANTINGS

COOPERATOR _____ PLANTING NO. _____

CULTIVAR/ACC.NO. 1. _____ 2. _____ 3. _____

4. _____ 5. _____ 6. _____

FIELD OFFICE _____ PURPOSE _____

EVALUATION DATE _____ EVALUATOR _____

AVE. ANNUAL PPT _____ (CIRCLE) FAVORABLE AVERAGE UNFAVORABLE

INSTRUCTIONS:

EACH COLUMN REPRESENTS A DIFFERENT SPECIES

WRITE IN THE APPROPRIATE DATA - NUMBER FROM BELOW OR ANSWER

1 - EXCELLENT 3 - GOOD 5 - FAIR 7 - POOR 9 - VERY POOR 0 - NONE

WRITE IN SPECIES AT TOP OF COLUMNS:		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
STAND	SUCCESS	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANTS/FT2	NUMBER	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
SURVIVAL	PERCENT	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
VIGOR		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ABILITY TO SPREAD		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
EROSION CONTROL		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
FORAGE PRODUCTION		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PRODUCT PRODUCED		HAY		SILAGE		PASTURE (AUMs)	
PLANT HEIGHT	INCHES	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
YIELD	TONs / ACRE	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
	AUMs/ACRE	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
UTILIZATION:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT INJURY:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
KIND OF INJURY:	disease, insect, rodent, hail, drought, grazing, flood, winter, fire, machine	_____	_____	_____	_____	_____	_____
WEED INFESTATION:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WILDLIFE USE:	v. high, high, moderate, low, none	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____

SEED PRODUCED	YES / NO	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
DROUGHT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
FLOOD TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
SALT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ACID TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WATER TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
STAND MANAGEMENT		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
IRRIGATION	KIND	_____			FULL SEASON	LIMITED SEASON	
FERTILIZER, NITROGEN		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, PHOSPHORUS		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, POTASSIUM		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, OTHER		LBS/ACRE	_____			DATE APPLIED	_____
COOPERATOR'S EVAL.	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ADAPTED TO SITE	YES / NO	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
COMMENTS:							

PLANT MATERIALS – EVALUATION OF WOODY PLANTINGS

COOPERATOR _____ PLANTING NO. _____

CULTIVAR/ACC.NO. 1. _____ 2. _____ 3. _____
 4. _____ 5. _____ 6. _____

FIELD OFFICE _____ PURPOSE _____

EVALUATION DATE _____ EVALUATOR _____

AVE. ANNUAL PPT _____ (CIRCLE) FAVORABLE AVERAGE UNFAVORABLE

INSTRUCTIONS: EACH COLUMN REPRESENTS A DIFFERENT SPECIES

WRITE IN THE APPROPRIATE DATA - NUMBER FROM BELOW OR ANSWER

1 - EXCELLENT 3 - GOOD 5 - FAIR 7 - POOR 9 - VERY POOR 0 - NONE

WRITE IN SPECIES AT TOP OF COLUMNS:

SURVIVAL	PERCENT	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
	NO. Alive / Planted	1 _____ / _____	2 _____ / _____	3 _____ / _____	4 _____ / _____	5 _____ / _____	6 _____ / _____
VIGOR		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ABILITY TO SPREAD		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT HEIGHT	INCHES	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
CROWN WIDTH	FEET	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
Diameter @ Breast Height	DBH - INCHES	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT UNIFORMITY		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
BRANCHING PATTERN	DENSITY	Sparse <40%		Moderate 40-60%		Dense > 60%	
FRUIT PRODUCTION		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
FRUIT MATURE	DATE	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT INJURY:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
KIND OF INJURY:	disease, insect, rodent, hail, drought, grazing, flood, winter, fire, machine	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WEED INFESTATION:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WILDLIFE USE:	v. high, high, moderate, low, none	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
EROSION CONTROL		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____

DROUGHT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
FLOOD TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
SALT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ACID TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WATER TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
IRRIGATION	KIND	_____			FULL SEASON	LIMITED SEASON	
FERTILIZER, NITROGEN		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, PHOSPHORUS		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, POTASSIUM		LBS/ACRE	_____			DATE APPLIED	_____
FERTILIZER, OTHER	_____	LBS/ACRE	_____			DATE APPLIED	_____
PESTICIDE, KIND	_____	LBS/ACRE	_____			DATE APPLIED	_____
COOPERATOR'S EVAL.	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ADAPTED TO SITE	YES / NO	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____

COMMENTS:

PLANT MATERIALS – EVALUATION OF DEMONSTRATION/PLOT PLANTINGS

COOPERATOR _____ PLANTING NO. _____

CULTIVAR/ACC.NO. 1. _____ 2. _____ 3. _____
 4. _____ 5. _____ 6. _____

FIELD OFFICE _____ PURPOSE _____

EVALUATION DATE _____ EVALUATOR _____

AVE. ANNUAL PPT _____ (CIRCLE) FAVORABLE AVERAGE UNFAVORABLE

INSTRUCTIONS;

EACH COLUMN REPRESENTS A DIFFERENT SPECIES

WRITE IN THE APPROPRIATE DATA - NUMBER FROM BELOW OR ANSWER

1 - EXCELLENT 3 - GOOD 5 - FAIR 7 - POOR 9 - VERY POOR 0 - NONE

WRITE IN SPECIES AT TOP OF COLUMNS:

		1	2	3	4	5	6
STAND	SUCCESS	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANTS/FT2	NUMBER	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
SURVIVAL	PERCENT	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
VIGOR		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
ABILITY TO SPREAD		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
EROSION CONTROL		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
FORAGE PRODUCTION		1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT HEIGHT	INCHES	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
YIELD	TONs / ACRE	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
	AUMs / ACRE	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
UTILIZATION:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
PLANT INJURY:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
KIND OF INJURY:	disease, insect, rodent, hail, drought, grazing, flood, winter, fire, machine	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WEED INFESTATION:	none, light, moderate, severe	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
WILDLIFE USE	v. high, high, moderate, low, none	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____
SEED PRODUCED	YES / NO	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____

DROUGHT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
FLOOD TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
SALT TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
ACID TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
WATER TOLERANCE	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
IRRIGATION	KIND	_____			FULL SEASON	_____		LIMITED SEASON	_____
FERTILIZER, NITROGEN		LBS/ACRE	_____			DATE APPLIED	_____		
FERTILIZER, PHOSPHORUS		LBS/ACRE	_____			DATE APPLIED	_____		
FERTILIZER, POTASSIUM		LBS/ACRE	_____			DATE APPLIED	_____		
FERTILIZER, OTHER		LBS/ACRE	_____			DATE APPLIED	_____		
COOPERATOR'S EVAL.	N/A	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		
ADAPTED TO SITE	YES / NO	1 _____	2 _____	3 _____	4 _____	5 _____	6 _____		

COMMENTS:

PLANT MATERIALS – EVALUATION OF SEED INCREASE PLANTINGS

COOPERATOR _____ PLANTING NO. _____
 RELEASE NAME _____ SPECIES NAME _____
 FIELD OFFICE _____ PURPOSE _____ SEED INCREASE _____
 EVALUATION DATE _____ EVALUATOR _____
 AVE. ANNUAL PPT _____ (CIRCLE) FAVORABLE AVERAGE UNFAVORABLE

INSTRUCTIONS: WRITE IN THE APPROPRIATE DATA - NUMBER FROM BELOW OR ANSWER

1 - EXCELLENT 3 - GOOD 5 - FAIR 7 - POOR 9 - VERY POOR 0 - NONE

STAND _____ SUCCESS _____
 VIGOR _____
 SEED PRODUCED _____
 SEED PRODUCTION POUNDS / ACRE BULK _____ CLEAN _____
 PLANT HEIGHT INCHES _____
 FORAGE PRODUCTION YIELD - TON / AC. _____
 PLANT INJURY: none, light, moderate, severe _____
 KIND OF INJURY: disease, insect, rodent, hail, drought, grazing, flood, winter, fire, machine _____
 WEED INFESTATION: none, light, moderate, severe _____
 STAND MANAGEMENT: _____
 IRRIGATION KIND _____ FULL SEASON _____ LIMITED SEASON _____
 HERBICIDE KIND _____ HERBICIDE RATE _____
 FERTILIZER, NITROGEN LBS/ACRE _____ DATE APPLIED _____
 FERTILIZER, PHOSPHORUS LBS/ACRE _____ DATE APPLIED _____
 FERTILIZER, POTASSIUM LBS/ACRE _____ DATE APPLIED _____
 FERTILIZER, OTHER _____ LBS/ACRE _____ DATE APPLIED _____
 COOPERATOR'S EVAL. _____
 COMMENTS: _____

PLANTING PLAN
 FOR
 FIELD, SPECIAL AND INCREASE PLANTINGS

PLANTING NUMBER (PLANT MATERIALS SPECIALIST ASSIGNS) _____
 COOPERATOR _____ FIELD OFFICE _____
 STATE _____ COUNTY _____ MLRA _____ ACRES _____
 PURPOSE _____
 SOIL _____ TEXTURE _____ S.MODIFIER _____
 SLOPE _____ ASPECT _____ ELEVATION _____
 PRECIPITATION ZONE _____ IRRIGATION (YES or NO) _____
 TOWNSHIP _____ RANGE _____ QRTR SECTION _____ SECTION _____

	RELEASE NAME	COMMON NAME	ACCESSION NUMBER	SEEDING RATE	POUNDS NEEDED	SUPPLIED BY
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						

SITE HISTORY PREVIOUS THREE YEARS

20__ . _____
 20__ . _____
 20__ . _____

METHOD OF PLANTING TO BE USED _____

MATERIALS NEEDED – LIME _____ RATE/ACRE _____
 FERTILIZER _____ RATE/ACRE _____
 HERBICIDE _____ RATE/ACRE _____
 MULCH _____ RATE/ACRE _____
 OTHER _____ RATE/ACRE _____

PROPOSED PLANTING DATE OR PERIOD _____

COOPERATOR _____ DATE _____

SUBMITTED BY _____ DATE _____

APPROVED (SCD) _____ DATE _____

APPROVED (PMS) _____ DATE _____

LOCATION MAP – attach map if necessary

(TO BE COMPLETED BY ASSISTING CONSERVATIONIST:)

DOES COOPERATOR UNDERSTAND PURPOSE OF PLANTING? _____

DOES COOPERATOR UNDERSTAND CULTURAL PRACTICES NEEDED? _____

DOES SITE MEET THE REQUIREMENTS IN PLANTING GUIDE? _____

IS IT CONVENIENTLY LOCATED? _____

IS IT ON SOIL IDENTIFIED? _____

WILL THE PLANTING BE GRAZED? _____ WHEN _____

IS FIELD SEPARATED BY FENCE? _____

HAS COOPERATOR AGREED TO PROPERLY MANAGE PLANTING? _____

ARE WEED CONTROL MEASURES NEEDED? _____

WILL WEEDS BE MANAGED? _____

WILL FIELD AND EQUIPMENT BE CHECKED PRIOR TO PLANTING? _____

DOES COOPERATOR NEED ASSISTANCE WITH PLANTING? _____

WILL NRCS PERSONNEL ASSIST WITH PLANTING? _____

WILL FOLLOWUP ASSISTANCE BE PROVIDED? _____

TO COMPLETE REQUIRED EVALUATIONS? _____

HAS LOCATION MAP BEEN COMPLETED? _____

COMMENTS _____

SIGNATURE _____

TITLE _____

DATE _____