ROADSIDE DEVELOPMENT SEEDING FOR ACTIVE CONSTRUCTION - MOUNTAIN REGION - WorkSheet for Roadside Managers

Seed Selection within Nutrient Management Guidelines: Step 1. Determine if the site will be seeded in the Dormant or Growing Period. Seeding of CORE MIX will be most effective if completed from March 15 to May 31 and Aug 1 through Oct 31, as these are periods of optimal establishment for cool season grasses. Over-seeding should be completed during this time of optimal establishment. If the project schedule dictates regular seeding during the Dormant Period or June - July than the establishment of the turf may be hindered. A Dormar Period Temporary Seeding mix should be used during the dormant period and may be used in the August through October period , based on weather and field conditions.

← — Dormant Period →	•	Growing Period									
NOV DEC JAN FEB MARCH	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	ост			
1-30 1-31 1-31 1-29 1-15	15-31	1-30	1-31	1-30	1-31	1-31	1-30	1-31			

Step 2. Determine if the site will be seeded with a Permanente Seed Mix or Temporary Seed Mix within each Period (Shading indicates best time of year to plant).

	Temporary Seed Mix				lix for Regular Seeding and Over	Nurse and Companion Species (Additives)						
			Seeding									
	Period S		Code	lbs/A	Description	Cod	e Ibs/A	Description				
Code D-1	Ibs/A 100	Description 20% Barley, Cereal Rye(Secale Cerial) or Winter Wheat & 80% Certified Tall Fescue	100% Certified Fine Fescue (Chewings		A	10	100% Barley, Cerial Rye (Secale cereal) or Winter Wheat (Dormant Period Nurse Crop)					
D-2	10	100% Barley, Cereal Rye(Secale Cerial) or Winter Wheat	2 100 100% Certified Tall Fescue		В	10	100%Foxtail Millet (Growing Period Nurse Crop)					
D-3			3	100	50% Certified Fine Fescue (Chewings, Creeping Red, Hard or Sheep) & 50% Certified Tall	С	30	**100% Crown Vetch* (Companion)				
	Denie d O	Po -	4	20	Fescue 100% Orchardgrass	D	10	**100% Sericia Lespedeza* (Companion)				
	Browing Period Seeding Code Ibs/A Description					E	10	100% Birdfoot Trefoil* (Companion)				
G-1	100	20% Foxtail Millet & 80% Certified Tall Fescue	5 6	0	No Natives	F	10	100% White Clover				
G-2			7 Over Seedi	ing Note: U	se 100% of seed mixture supplied. The Engineer	G H						
that are to be Lime may be a Fertilizer shall Erosion Co i that are to bo February 29. Erosion Con be applied in Erosion Con	regraded, later applied, fertiliz NOT be applie htrol Mulch , e left dorman trol Mulch, as accordance	as directed by the Engineer, is to be used only on areas disturbed or left dormant for more than 15 days. er can be applied at 50% of Nutrient Management Rate. ad when the ground is frozen. as directed by the Engineer, is to be used on areas t for more than 15 days between Dec 1 and s listed on the "VDOT Approved Product List," shall with the manufacture's recommendations. r approved method) shall provide 100% coverage nd.	persistent pe application o District Road persistent pe	rennial cove f seed mixtu Iside Manage	to perform over seeding when the density of the r is between 50-75%. Recommendations for the res, fertilizer, lime, etc are to be obtained from the r if less than 50% ground cover density of a r as specified in the seeding mixture is obtained.	not cons A Comp Seed Mi: *Legume Nutrient strain an inoculan un-hulled **To be s as an are	dered permar anion species to enhance the s should be pi Management I d rate of bacte . Sericia lespe i if planted in t eeeded on site	I species such as rye and millet are temporary varieties and are tent vegetative cover. Is perennial grass and/or legumes added to the Permanente the probability of establishing a vegetative cover. Ianted in the spring, and fertilizer should be applied at the Rate. Legume seed shall be inoculated with the appropriate tria. For hydroseeding, use three times the dry seeding rate of deza seed must be hulled if planted in the Growing period, and the Dormant period. Is with greater than 3:1 slope and other area that is designated be mowed. Other legumes or listed companion species can be mow areas.				

PROJECT:

PPMS# DATE: ISSUED BY:

Approximately ______ Acres will be disturbed on this project and will require the establishment of **persistent and perennial** grasses and/or legumes.

ROADSIDE DEVELOPMENT SEEDING FOR ACTIVE CONSTRUCTION - MOUNTAIN REGION - Worksheet for Roadside Managers

Step 3. The District Roadside Manager completes the Seeding Schedule and Seeding Summarys.

PROJECT:

PPMS# DATE:

ISSUED BY:

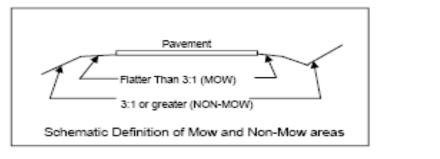
				edule	ing Sche	Seedi		
		pecies	npanion S	se and Cor	with Nur	nt Seed Mix	Assign Permana	
	NOW	NON-MOW	NOW	NON-MOW	NOW	NON-MOW		
Project Num	Period Warm June 1 - July 31	•	eason · May 31	Growing Cool S Feb 15* Aug 1 -		Dorman Nov 1 - M	Project Area	Project Number
Total							сие Туре	** Fine Fes
Pay Item Quant	n				•		ted to lay dormant	rowing Period.
1 Temporary S Note: All seed r			s	ecification	opsoil Sp	ulch and To	Mi	
specifications fo	ory agencies.	ental regulat	rways, wet e environm	nt to all wate sdiction of th	eas adjace	/ly seeded ar ard areas un imum of 90%) to be used on new drainage flows tow ed to provide a min er acre and/or mulc	any area in which pe I shall be appli
		r acre to prov	weight) pe	500 (net dry	t a rate of 1	be applied a	l Fiber Mulch) may Type II mulch shall ent coverage, and s	oadside Manager.
	into existing	raked to tie	to be hand	ebris, and is	nd foreign d	ods, rocks ar	ee of hard lumps, cl	l topsoil is to be fre wns.

			occurry	Cummary							
		oil 2" ass	Seeding								
Project Number	Α	в	Regular Seeding	Temporary Seeding 1	Over Seeding	Ũ					
	Ac	res	lbs	lbs	lbs	lbs	lbs				
0											
0											
0											
0											
0											
0											
Total			0	0							
Pay Item Quantities	0	0	0		0	0	0				

Seeding Summary

1 Temporary Seeding quantities are included with Regular Seeding pay quantities.

Note: All seed must be in conformance with the current Nutrient Management Plan and with VDOT seed specifications for Grasses and Legumes and be provided at the project site in bags labeled and not opened for use on VDOT projects with a green tag certifying inspection of the Virginia Crop Improvement Association.



ROADSIDE DEVELOPMENT SEEDING FOR ACTIVE CONSTRUCTION - COASTAL PLAIN REGION - WorkSheet for Roadside Managers

Seed Selection within Nutrient Management Guidelines: Step 1. Determine if the site will be seeded in the Dormant or Growing Period. Seeding of CORE MIX will be most effective if completed from March 15 to May 31 and Aug 1 through Oct 31, as these are periods of optimal establishment for cool season grasses. Over-seeding should be completed during this time of optimal establishment. If the project schedule dictates regular seeding during the Dormant Period or June - July then the establishment of the turf may be hindered. A Dormant Period Temporary Seeding mix should be used during the dormant period and may be used in the August through October period, based on weather and field conditions.

•	- Dormar	nt Period	>	4			Gre	owing Per	iod			
NOV	DEC	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	ост	NOV
15-30	1-31	1-31	1-29	131	1-30	1-31	1-30	1-31	1-31	1-30	1-31	1-15

Step 2. Determine if the site will be seeded with a Permanent Seed Mix or Temporary Seed Mix within each Period (Shading indicates best time of year to plant).

Approximately _____ Acres will be disturbed on this project and will require the establishment of **persistent and perennial** grasses and/or legumes.

PROJECT:

PPMS#

DATE:

	-	Temporary Seed Mix	Permane Seeding		<u>/lix</u> for Regular Seeding and Over ()	Nurse and Companion Species (Additives)						
Dormant	Period S	eeding	Code	lbs/A	Description	Coc	e Ibs	/A Description				
Code D-1	Ibs/A 100	Description 20% Barley, Cereal Rye(Secale Cerial) or Winter Wheat & 80% Certified Tall Fescue	1	70	100% Certified Fine Fescue (Chewings, Creeping Red, Hard or Sheep)	A	1) 100% Barley, Cerial Rye (Secale cereal) or Winter Wheat (Dormant Period Nurse Crop)				
D-2	10	100% Barley, Cereal Rye(Secale Cerial) or Winter Wheat	2	100	100% Certified Tall Fescue	В	1() 100%Foxtail Millet (Growing Period Nurse Crop)				
D-3			3	100	50% Certified Fine Fescue (Chewings, Creeping Red, Hard or Sheep) & 50% Certified Tall Fescue	С	30) **100% Crown Vetch* (Companion)				
Growing	Period S	eding	4			D	10					
Code	lbs/A	Description	5	0	No Natives	E	1) 100% Birdfoot Trefoil* (Companion)				
G-1	100	20% Foxtail Millet & 80% Certified Tall Fescue	6	40	*100% Bermuda hulled or un-hulled	F	1) 100% White Clover* (Companion)				
G-2			7 Over Seedi	na Note:	Jse 100% of seed mixture supplied. The Engineer	G H	20) **100% Weeping Lovegrass				
that are to be Lime may be a Fertilizer shall Erosion Co l that are to be February 29. Erosion Con be applied in	regraded, later applied, fertiliz, NOT be applie htrol Mulch , a left dorman trol Mulch, as accordance trol Mulch (oi	as directed by the Engineer, is to be used only on areas disturbed or left dormant for more than 15 days. er can be applied at 50% of Nutrient Management Rate. ad when the ground is frozen. as directed by the Engineer, is to be used on areas t for more than 15 days between Dec 1 and is listed on the "VDOT Approved Product List," shall with the manufacture's recommendations. approved method) shall provide 100% coverage nd.	will require th persistent pe application of District Road persistent pe	e contractor rennial cove seed mixtur side Manage rennial cove ed if planted	to perform over seeding when the density of the r is between 50-75%. Recommendations for the res, fertilizer, lime, etc are to be obtained from the er if less than 50% ground cover density of a r as specified in the seeding mixture is obtained. I in the Growing Period, and un-hulled if planted in	 A Nurse crop is annual species such as rye and millet are temporary varieties and are not considered permanent vegetative cover. A Companion species is perennial grass and/or legumes added to the Permanent Seed Mix to enhance the probability of establishing a vegetative cover. *Legumes should be planted in the spring, and fertilizer should be applied at the Nutrient Management Rate. Legume seed shall be inoculated with the appropriate strain and rate of bacteria. For hydroseeding, use three times the dry seeding rate of inoculant. Sericia lespedeza seed must be hulled if planted in the Growing period, and un-hulled if planted in the Dormant period. **To be seeded on sites with greater than 3:1 slope and other area that is designated as an area that will not be mowed. Other legumes or listed companion species can be seed on non-mow and mow areas. 						

ROADSI	DE DEVELOPM	ENT SEED	ING FOR	ACTIVE C	ONSTRU	ICTION - C	OASTAL PL	IN REGION - Works	sheet fo	r Roadsi	de Managers	S	PROJECT	:	
Step 3. The Distr	ct Roadside Ma	nager comp	oletes the	Seeding S	chedule a	and Seedin	g Summarys.						PPMS# DATE: ISSUED BY:		
		Seedi	ing Sche	edule							Seedin	g Summar	у		
P	ssign Perminan	te Seed Mix	x with Nur	se and Co	mpanion	Species			Торя	soil 2"			Seeding		
		NON-MOW	NOW	NON-MOW	NOW	NON-MOW	NOW		Class A B				Seeding		
Project Number	Project Area		t Period 5 - Feb		g Period Season • May 14	Warn	ng Period n Season	Project Number			Regular Seeding	Temporary Seeding 1	Over Seeding	Legume Seeding	Legume Over Seeding
		28	/29		- Nov 14	May 1	5 - Aug 15		Ac	cres	lbs	lbs	lbs	lbs	lbs
								0							
								0							
								0							
								0							
								0							
** Fine Fe	сие Туре							Total			0	0			
* Seed that is expe Growing Period. **Specify type as C							son	Pay Item Quantities	0	0	0		o	0	0
	Mi	ulch and To	onsoil Sn	ecificatio	ne			1 Temporary Seedi Note: All seed must			-			with VDOT cor	d
Type I mulch (Straw or any area in which Type I shall be appli) to be used on nev drainage flows tov ed to provide a mir	wly seeded an vard areas ur himum of 90%	reas adjace	nt to all wate sdiction of th	erways, wei ne environm	nental regula	tory agencies.	specifications for Gra on VDOT projects wi	asses and	Legumes	and be provide	d at the project	site in bags labe	eled and not ope	
the rate of 750 lbs p Type II mulch (Woo Roadside Manager. minimum of 90 perc	l Fiber Mulch) may Type II mulch shall ent coverage, and s	be substitute l be applied a shall be appli	it a rate of 1 ed over the	500 (net dry seed in a se	/ weight) pe eparate app	er acre to pro plication.	vide a		σ		Pavemer	nt	\sim	-	
All topsoil is to be fro lawns.	ee of hard lumps, c	lods, rocks a	nd foreign d	lebris, and is	s to be hand	d raked to tie	into existing	1		3:1 0	er Than 3:1 (or greater (NG	DN-MOW)			
								50	nemat	ic Defin	ition of Mo	w and No	n-Mow area	as	

ROADSIDE DEVELOPMENT SEEDING FOR ACTIVE CONSTRUCTION - Piedmont REGION - WorkSheet for Roadside Managers

Seed Selection within Nutrient Management Guidelines: Step 1. Determine if the site will be seeded in the Dormant or Growing Period. Seeding of CORE MIX will be most effective if completed from March 15 to May 31 and Aug 1 through Oct 31, as these are periods of optimal establishment for cool season grasses. Over-seeding should be completed during this time of optimal establishment for cool season grasses. Over-seeding should be completed during this for optimal establishment for cool season grasses. Over-seeding should be completed during the formant Period or June - July then the establishment of the turf may be hindered. A Dormant Period Temporary Seeding mix should be used during the dormant period and may be used in the August through October period, based on weather and field conditions.

← Dormant Period →	•			Gre	owing Per	iod			
NOV DEC JAN FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	ост	NOV
15-30 1-31 1-31 1-29	131	1-30	1-31	1-30	1-31	1-31	1-30	1-31	1-15

Step 2. Determine if the site will be seeded with a Permanent Seed Mix or Temporary Seed Mix within each Period (Shading indicates best time of year to plant).

Approximately _____ Acres will be disturbed on this project and will require the establishment of persistent and perennial grasses and/or legumes.

PROJECT:

PPMS#

DATE:

ISSUED BY:

	-	Temporary Seed Mix	Permane Seeding		<u>/lix</u> for Regular Seeding and Over :)	N	lurse an	d Compai	nion Species (Additives)	
Dormant	Period S	eeding	Code	lbs/A	Description	1 [Code	lbs/A	Description	
Code D-1	Ibs/A 100	Description 20% Barley, Cereal Rye(Secale Cerial) or Winter Wheat & 80% Certified Tall Fescue	1 70 100% Certified Fine Fescue (Chewings, Creeping Red, Hard or Sheep)				A	10	100% Barley, Cerial Rye (Secale cereal) or Winter Wheat (Dormant Period Nurse Crop)	
D-2	10	100% Barley, Cereal Rye(Secale Cerial) or Winter Wheat	2	100	100% Certified Tall Fescue	_	В	10	100%Foxtail Millet (Growing Period Nurse Crop)	
D-3			3	100	50% Certified Fine Fescue (Chewings, Creeping Red, Hard or Sheep) & 50% Certified Tall Fescue		С	30	**100% Crown Vetch* (Companion)	
Growing	Period Se	eeding	4				D	10	**100% Sericia Lespedeza* (Companion)	
Code				0	No Natives		E	10	100% Birdfoot Trefoil* (Companion)	
G-1	100	20% Foxtail Millet & 80% Certified Tall Fescue	5 6	40	*100% Bermuda hulled or un-hulled		F	10	100% White Clover* (Companion)	
G-2			7 Over Seedi	ng Note: U	se 100% of seed mixture supplied. The Engineer		G H	20	**100% Weeping Lovegrass	
that are to be Lime may be a Fertilizer shall Erosion Coo that are to be February 29. Erosion Con be applied in	regraded, later applied, fertiliz NOT be applie htrol Mulch , a left dorman trol Mulch, as accordance trol Mulch (or	as directed by the Engineer, is to be used only on areas disturbed or left dormant for more than 15 days. er can be applied at 50% of Nutrient Management Rate. ad when the ground is frozen. as directed by the Engineer, is to be used on areas t for more than 15 days between Dec 1 and s listed on the "VDOT Approved Product List," shall with the manufacture's recommendations. approved method) shall provide 100% coverage nd.	persistent pe application of District Road persistent pe	to perform over seeding when the density of the r is between 50-75%. Recommendations for the res, fertilizer, lime, etc are to be obtained from the er if less than 50% ground cover density of a r as specified in the seeding mixture is obtained. in the Growing Period, and un-hulled if planted in	 A Nurse crop is annual species such as rye and millet are temporary varieties and are not considered permanent vegetative cover. A Companion species is perennial grass and/or legumes added to the Permanent Seed Mix to enhance the probability of establishing a vegetative cover. *Legumes should be planted in the spring, and fertilizer should be applied at the Nutrient Management Rate. Legume seed shall be inoculated with the appropriate strain and rate of bacteria. For hydroseeding, use three times the dry seeding rate of inoculant. Sericia lespedeza seed must be hulled if planted in the Growing period, and un-hulled if planted in the Dormant period. **To be seeded on sites with greater than 3:1 slope and other area that is designated as an area that will not be mowed. Other legumes or listed companion species can be seed on non-mow and mow areas. 					

								REGION - Workshe	et for R	oadside	Managers		PROJ	ECT:		
Step 3. The Distr	ict Roadside Ma	nager com	pletes the	Seeding S	chedule :	and Seedin	g Summarys.						PPMS# DATE: ISSUED B	Y:		
		Seed	ing Sch	edule							Seedin	g Summ	ary			
ļ	ssign Perminan	te Seed Mi	x with Nur	se and Co	mpanion	Species			Торя	soil 2"			Soodi	20		
		NON-MOW	NOW	NON-MOW	NOW	NON-MOW	NOW		Class				Seeul	Seeding		
Project Number	Project Area		nt Period March 15	Growing Period Cool Season Feb 15* - May 31		Growing Period Warm Season		Project Number	Α	В	Regular Seeding	Tempora Seeding	-	•	Legume Over Seeding	
				Aug 1 - Oct 31		June 1 - July 31			Acres		lbs	lbs	lbs	lbs	lbs	
								0								
								0								
								0								
								0								
								0								
								0								
** Fine Fe	scue Туре							Total			0	0				
* Seed that is expe Growing Period. **Specify type as C							son	Pay Item Quantities	0	0	0		0	0	0	
	M	ulch and T	opsoil Sp	ecification	าร			1 Temporary Seedin	•						ed	
Type I mulch (Straw or any area in which Type I shall be appl	drainage flows tov ed to provide a mir	ward areas ur nimum of 90%	nder the juri	sdiction of th	e environn	nental regula	tory agencies.	specifications for Gra on VDOT projects wi	sses and h a greer	Legumes n tag certify	and be provide ring inspection	d at the proje of the Virgini	ect site in bag a Crop Impro	s labeled and not op vement Association	pened for use	
the rate of 750 lbs p Type II mulch (Woo Roadside Manager. minimum of 90 perc	d Fiber Mulch) may Type II mulch shal	/ be substitute I be applied a	at a rate of 1	500 (net dry	weight) pe	er acre to pro					Paveme	nt				
All topsoil is to be fr lawns.							into existing	1	2		er Than 3:1 (or greater (N		7			
								Sc	hemat	ic Defin	ition of Mo	w and N	on-Mow	areas		
								-								