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Ds1

GSWCC 2016 Edition

REQUIREMENT FOR REGULATORY COMPLIANCE

Mulch or temporary grassing shall be applied to all exposed areas within 14 days of disturbance. Mulch can be used as a singular erosion control device for up to 6 months, but it shall be applied at the appropriate depth, depending on the material used, anchored and have a continuous 50% cover or greater of the soil surface.

Maintenance shall be required to maintain appropriate depth and 50% cover. Temporary vegetation may be employed instead of mulch if the area is not undisturbed for less than 6 months.

If any areas will remain undisturbed for greater than 6 months, permanent vegetation techniques shall be employed. Refer to **Ds2-Disturbed Area Stabilization (With Temporary Seeding)**, **Ds3-Disturbed Area Stabilization (With Permanent Seeding)**, and **Ds4-Disturbed Area Stabilization (With Seeding)**.

SPECIFICATIONS Mulching Without Seeding

This preparation applies to graded or dished areas where seedings may have a suitable growing season to produce an erosion retardant cover, but can be stabilized with a mulch cover.

Site Preparation

1. Grade to permit the use of equipment for applying and anchoring mulch.

2. Install needed erosion control measures as required such as ditches, diversion, berms, terraces and sediment barriers.

3. Remove compact soil to a minimum depth of 2".

Mulching

1. Mulch is required to be applied at a depth of 2" or 2" providing complete coverage. One advantage of this material is application.

2. Dry straw or hay should be applied at a depth of 2" or 2" of organic material from the draining slopes of development should remain on site, be chipped, and applied as mulch. This method of mulching greatly reduces erosion control costs.

3. Where there is no mulch or mulch is not available, mulch shall be applied to provide full coverage of the exposed area.

4. If any areas will remain undisturbed for greater than 6 months, permanent vegetation techniques shall be employed. Refer to **Ds2-Disturbed Area Stabilization (With Temporary Seeding)**, **Ds3-Disturbed Area Stabilization (With Permanent Seeding)**, and **Ds4-Disturbed Area Stabilization (With Seeding)**.

5. The area will eventually be covered with permanent vegetation. To 30 pounds of nitrogen per acre to the normal amount shall be applied after the uptake of nitrogen caused by the decomposition of the organic mulches.

6. Apply polyethylene film on exposed areas.

Anchor Mulch

1. Straw or hay mulch can be pressed into the soil with a disk harrow with the disk set at a special "disk" disk. Disks may be smooth or serrated and should be 20" or more in diameter and 8" to 12" apart. The edges of the disk should be dull enough not to cut the mulch but press it into the soil bearing mulch in an even position. Straw or hay mulch should be applied immediately after application.

2. Netting of the appropriate size and be used to anchor seedling. Coverage of the netting should not be greater than the average size of the wood weed tops.

3. Polyethylene film shall be anchored and netted at the soil as well as incrementally as necessary.

DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) - (Ds1)

SPECIES		BROADCAST RATES	RESOURCE AREA	PLANTING DATES BY RESOURCE AREA	REMARKS
BARLEY		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Hortensia		1.1bs (144 lbs)	3.3bs	P	14,000 seed per pound. Winter hardy. Use on productive soils.
In situ		1/2 bu. (24 lbs)	0.8 b	C	
LESPEDEZA		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Lupinus		40 lbs	0.9 b	P	20,000 seed per pound. May volunteer for several years. Use on productive soils.
In situ		10 lbs	0.2 b	C	
LOVEGRASS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
WEEDING		4 lbs	0.1 b	M-L	15,000 seed per pound. May volunteer for several years. Use on productive soils.
In situ		2 lbs	0.05 b	C	
MILLET		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
BROWNTOP		40 lbs	0.9 b	P	17,000 seed per pound. Quick coverer. Will provide erosion control in moderate to high erosion.
In situ		10 lbs	0.2 b	C	
MILLET		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
PEARL		50 lbs	1.1 bs	P	80,000 seed per pound. Quick coverer. May need 5" height, not recommended for roads.
In situ		10 lbs	0.2 b	C	
OATS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Avena sativa		4 bu. (128 lbs)	2.8 bs	P	13,000 seed per pound. Use on productive soils. Not as winter hardy as ryegrass.
In situ		1/2 bu. (32 lbs)	0.7 b	C	
RYE		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Secale cereale		4 bu. (128 lbs)	2.8 bs	P	18,000 seed per pound. Quick cover. Durable. Tolerant and winter hardy.
In situ		1/2 bu. (32 lbs)	0.6 b	C	
RIVERGRASS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
ANNUAL		40 lbs	0.9 b	P	27,000 seed per pound. Dense cover. Very competitive and not to be used in mires.
In situ		10 lbs	0.2 b	C	
SUDANGRASS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Sorghum sudanense		60 bs	1.4 bs	P	55,000 seed per pound. Good on drainage sites. Not recommended for mires.
In situ		10 lbs	0.2 b	C	
TRITICALE		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
X-Triticaceae		3 bu. (96 lbs)	3.3 bs	P	Use on lower part of South Atlantic Coastal Plain and in Atlantic Coastal Floodways only.
In situ		1/2 bu. (32 lbs)	0.6 b	C	
WHEAT		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Triticum aestivum		4 bu. (128 lbs)	4.1 bs	P	15,000 seed per pound. Winter hardy.
In situ		1/2 bu. (32 lbs)	0.7 b	C	

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DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING) - (Ds2)

SPECIES		BROADCAST RATES	RESOURCE AREA	PLANTING DATES BY RESOURCE AREA	REMARKS
BARLEY		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Hortensia		1.1bs (144 lbs)	3.3bs	P	14,000 seed per pound. Winter hardy. Use on productive soils.
In situ		1/2 bu. (24 lbs)	0.8 b	C	
LESPEDEZA		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
Lupinus		40 lbs	0.9 b	P	20,000 seed per pound. May volunteer for several years. Use on productive soils.
In situ		10 lbs	0.2 b	C	
LOVEGRASS		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
WEEDING		4 lbs	0.1 b	M-L	15,000 seed per pound. May volunteer for several years. Use on productive soils.
In situ		2 lbs	0.05 b	C	
MILLET		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
BROWNTOP		40 lbs	0.9 b	P	17,000 seed per pound. Quick coverer. Will provide erosion control in moderate to high erosion.
In situ		10 lbs	0.2 b	C	
MILLET		Rate Per Acre	Pure Live Seed Per 1000 sq.ft.	M-L	
PEARL		50 lbs	1.1 bs	P	80,000 seed per pound. Quick coverer. May need 5" height, not recommended for roads.
In situ		10 lbs			