

MULCHING APPLICATION REQUIREMENTS

MATERIAL	RATE	DEPTH
STRAW OR HAY	2-1/2 TON/ACRE	6" TO 10"
GEOTEXTILES, JUTE MATTING, NETTING, ETC.	SEE MANUFACTURER'S RECOMMENDATIONS	---

Ds1 **DISTURBED AREA STABILIZATION (WITH MULCH ONLY)**

TABLE 2 SOME TEMPORARY PLANT SPECIES, SEEDING RATES AND PLANTING DATES

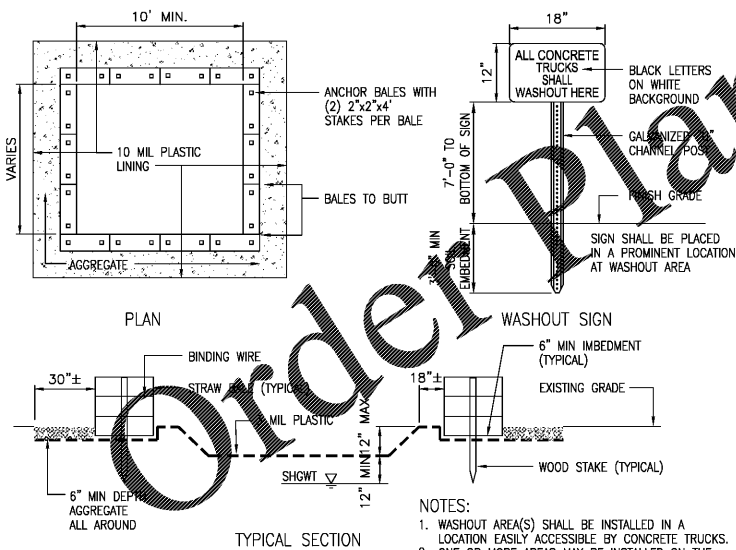
SPECIES	RATES PER 1,000 SQ. FT.	RATES PER ACRE	PLANTING DATES BY REGION		
			M-L	P	C
RYE (GRAIN)	3.9 LBS.	3 BU	8/15-11/19	9/15-12/1 3/1-4/1	10/1-11/1
RYEGRASS	0.9 LB.	40 LBS.	8/15-11/15	9/1-12/15	9/15-1/1
RYE AND ANNUAL LESPEDEZA	0.6 LB. 0.6 LB.	0.5 BU 24 LBS	3/1-4/1	3/1-4/1	2/1-3/1
WEeping LOVEGRASS	0.1 LB.	4 LBS.	4/1-6/1	4/1-6/1	3/1-6/1
SUDANGRASS	1.0 LB.	60 LBS.	5/1-8/1	5/1-8/1	4/1-8/1
BROWNTOP MILLET	1.1 LBS.	50 LBS.	4/15-6/15	4/15-7/1	4/15-7/1
WHEAT	4.1 LBS.	3 BU	9/15-12/1	10/1-12/15	10/15-1/1

- UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
- SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND LOCAL CONDITIONS.

TABLE 3 FERTILIZER REQUIREMENTS FOR TEMPORARY VEGETATION

TYPE OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	---
	MAINTENANCE	10-10-10	400	30
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	---
	MAINTENANCE	0-10-10	400	---
TEMPORARY COVER CROPS SEEDING ALONE	FIRST	10-10-10	500	30
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30

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



CONCRETE WASH OUT AREA DETAIL SCALE: N.T.S.

TABLE 1 SOME PERMANENT PLANT SPECIES, SEEDING RATES, AND PLANTING DATES

SPECIES	RATES PER ACRE	RATES PER 1,000 SQ. FT.	PLANTING DATES BY REGION			REMARKS
			M-L	P	C	
BAHIA, PENSACOLA ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LBS.	-	4/1-5/31	3/1-5/31	LOW GROWING SOD PRODUCING; WILL SPREAD INTO BERMUDA LAWNS.
BAHIA, WILMINGTON ALONE OR WITH TEMPORARY COVER WITH OTHER PERENNIALS	60 LBS. 30 LBS.	1.4 LBS. 0.7 LB.	3/15-5/31	3/1-5/31	-	SAME AS ABOVE.
BERMUDA, COMMON (HULLED SEED) ALONE WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	-	4/1-5/31	3/15-5/31	QUICK COVER; LOW GROWING; SOD FORMING; NEEDS FULL SUN.
BERMUDA, COMMON (UNHULLED SEED) WITH TEMPORARY COVER WITH OTHER PERENNIALS	10 LBS. 6 LBS.	0.2 LB. 0.1 LB.	-	10/15-2/28	11/1-1/31	PLANT WITH WINTER ANNUALS. PLANT WITH TALL FESCUE.
BERMUDA, SPRIGS COMMON LAWN AND FORAGE HYBRIDS	40 CU. FT. SOD PLUGS 3"x3"	0.9 CU. FT.	4/15-6/15	4/1-6/15	4/1-5/31	1 CU. FT. = 650 SPRIGS; 1 BU. = 1.25 CU. FT. OR 800 SPRIGS
CROWN VETCH WITH WINTER ANNUALS OR COOL SEASON GRASSES	15 LBS.	0.3 LB.	9/1-10/15	9/1-10/15	-	MIX WITH 30 LBS. TALL FESCUE OR 15 LBS. RYE; INOCULATE SEED; PLANT ONLY NORTH OF ATLANTA.
FESCUE, TALL ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LB.	3/1-4/1 OR 8/15-9/30	8/15-10/15 OR 2/15-4/15	-	MIX WITH PERENNIAL LESPEDEZA OR CROWN VETCH; NOT FOR SOUGH SOILS OR HEAVY USE AREAS.
LESPEDEZA, SERICEA SCARIFIED	60 LBS.	1.4 LBS.	4/1-5/31	3/15-5/31	3/1-5/15	WIDELY ADAPTED AND SLOW MAINTENANCE; TAKES 2-3 YEARS TO ESTABLISH; SEED WITH INOCULANT; MIX WITH WEeping LOVEGRASS, COMMON BERMUDA, BAHIA OR TALL FESCUE.
UNSCARIFIED SEED-BEARING HAY	75 LBS. 3 TONS.	1.7 LBS. 138 LBS.	9/1-2/28 10/1-2/1	9/1-2/28 10/1-2/28	9/15-1/1	MIX WITH TALL FESCUE OR WINTER ANNUALS. CUT WHEN SEED IS MATURE BUT BEFORE IT SHATTERS. ADD TALL FESCUE OR WINTER ANNUALS.
LESPEDEZA, AMBRO VIRGATA OR APPALOW SCARIFIED UNSCARIFIED	60 LBS. 75 LBS.	1.4 LBS. 1.7 LBS.	4/1-5/31 9/1-2/28	3/15-5/31 9/1-2/28	3/1-5/15 9/1-2/28	SPREADING GROWTH WITH HEIGHT OF 18"-24"; GOOD IN URBAN AREA; SLOW TO DEVELOP GOOD STANDS; MIX WITH WEeping LOVEGRASS, COMMON BERMUDA, BAHIA TALL FESCUE OR WINTER ANNUALS; DO NOT MIX WITH SERICEA LESPEDEZA; INOCULATE SEED WITH EL INOCULANT.
LESPEDEZA, SHRUB (LESPEDEZA BICOLOR OR LESPEDEZA THUMBERGII) PLANTS	3"x3" SPACING	-	1/1-3/31	11/1-3/15	11/15-2/28	PLANT IN SMALL CLUMPS FOR WILDLIFE FOOD AND COVER.
LOVEGRASS, WEeping ALONE WITH OTHER PERENNIALS	4 LBS. 2 LBS.	0.1 LB. 0.05 LB.	4/1-5/31	3/15-5/31	3/1-5/31	QUICK COVER; DROUGHT TOLERANT; GROWS WELL WITH SERICEA LESPEDEZA ON ROAD-BANKS AND OTHER STEEP SLOPES; SHORT LIVED.
MAIDENCANE SPRIGS	2"x3" SPACING	-	2/1-3/31	2/1-3/31	2/1-3/31	FOR VERY WET SITES SUCH AS RIVERBANKS AND SHORELINES. DIG SPRIGS LOCALLY.
PAN GRASS, PANICUM CO.	20 LBS.	0.5 LB.	-	3/1-4/30	3/1-4/30	GROWS WELL ON COASTAL SAND DUNES; MIX WITH SERICEA LESPEDEZA BUT NOT ON SAND DUNES.
REED CANE GRASS ALONE WITH OTHER PERENNIALS	50 LBS. 30 LBS.	1.1 LBS. 0.7 LB.	8/15-10/15	9/1-10/15	-	GROW SIMILAR TO TALL FESCUE; FOR WET SITES.
SUNFLOWER, AZTEC MAXIMILLIAN	10 LBS.	0.2 LB.	4/15-5/31	4/15-5/31	4/1-5/31	MIX WITH WEeping LOVE-GRASS OR OTHER LOW GROWING GRASSES OR LEGUMES.
SWITCHGRASS	20 LBS.	0.4 LB.	4/1-5/31	4/1-5/31	4/1-5/31	FOR STREAMBANK PLANTINGS, DRAINAGE DITCHES, AND WET AREAS.

TABLE 2 SUGGESTED SEEDBED DEPTHS

SLOPE	SEEDBED DEPTH
3:1 OR FLATTER	1" TO 4" DEPTH
2:1 TO 3:1	4" DEPTH
2:1 OR STEEPER	DEPRESSIONS EVERY 6" TO 8" HAND-DUG, IF NECESSARY

LIME

- AGRICULTURAL LIME IS REQUIRED AT THE RATE OF 2 TONS PER ACRE.
- AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.
- LIME SPREAD BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE". GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 90% OF THE MATERIAL WILL PASS THROUGH A 10-MESH SIEVE, NOT LESS THAN 50% WILL PASS THROUGH A 50-MESH SIEVE AND NOT LESS THAN 25% WILL PASS THROUGH A 100-MESH SIEVE.
- AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE". FINELY GROUND LIMESTONE IS CALCITIC OR DOLOMITIC LIMESTONE GROUND SO THAT 98% OF THE MATERIAL WILL PASS THROUGH A 20-MESH SIEVE AND NOT LESS THAN 70% WILL PASS THROUGH A 100-MESH SIEVE.

TABLE 3 FERTILIZER REQUIREMENTS FOR PERMANENT VEGETATION

TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N-P-K)	RATE (LBS./ACRE)	N TOP DRESSING RATE (LBS./ACRE)
COOL SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	1000	30
	MAINTENANCE	10-10-10	400	---
COOL SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	0-50
	SECOND	0-10-10	1000	---
	MAINTENANCE	0-10-10	400	---
WARM SEASON GRASSES	FIRST	6-12-12	1500	50-100
	SECOND	6-12-12	800	50-100
	MAINTENANCE	10-10-10	400	30
WARM SEASON GRASSES AND LEGUMES	FIRST	6-12-12	1500	50
	SECOND	0-10-10	1000	---
	MAINTENANCE	0-10-10	400	---

- RATES ARE FOR BROADCASTED SEED. IF A SEED DRILL IS USED, REDUCE THE RATES BY ONE-HALF.
- PLS IS AN ABBREVIATION OF PURE LIVE SEED.
- CONTRACTOR SHALL USE COASTAL REGION FOR DETERMINATION OF SEED TYPES AND PLANTING DATES.

Ds3 **DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)**

REV	DATE	DESCRIPTION
1	03/01/2020	10% OWNER REVIEW
2	06/16/2020	DRAFT BID PACKAGE
3	07/14/2020	BID PACKAGE