

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, Paspalum Alone or with temporary cover With other grasses	50 lbs. 30 lbs.	1.4 lb. 0.7 lb.	---	4/1-5/31	3/1-5/31	Low growing, soil producing with spread into Bermuda lawns.
Bahia, Wimpergrass Alone or with temporary cover With other grasses	50 lbs. 30 lbs.	1.4 lb. 0.7 lb.	3/15-6/31	3/1-5/31	---	Same as above
Bermuda, Common (Killed seed) Alone	10 lbs. 5 lbs.	0.2 lb. 0.1 lb.	---	4/1-8/31	3/15-5/31	Quick cover, low growing, soil forming; needs full sun.
Bermuda, Common (Killed seed) With temporary cover With other perennials	10 lbs. 5 lbs.	0.2 lb. 0.1 lb.	---	10/1-2/28	1/1-1/31	Plant with Tall Fescue

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Bermuda Seeping Common lawn and forage hybrids	40 cu. ft. Soil plugs 3" x 3"	0.3 cu. ft. ---	4/15-8/15	4/1-6/15	4/1-5/31	1 cu. ft. = 650 sprigs 1 bu. = 1.25 cu. ft. or 850 sprigs
Centipede	Stalk Seed Only	---	11/1-5/31	11/1-5/31	---	Drought tolerant. Full sun or partial shade.
Crown Vetch With winter annuals or cool season grasses	18 lbs.	0.3 lb.	9/1-10/15	9/1-10/15	---	Mix with 30 lb. Tall Fescue or 15 lb. Rye, inoculate seed, plant only North of Atlanta. Can be mixed with perennial Leopards or Crown Vetch seed for droughty soils or heavy use areas.
Fescue, Tall Alone With other perennials	50 lbs. 30 lbs.	1.1 lb. 0.7 lb.	3/1-6/15 8/15-10/15	9/1-10/15	---	Plant in small clumps for walks, roads and cover.

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Leopards, Seeded	40 lbs.	1.4 lb.	3/1-5/31	3/15-5/31	3/1-5/31	Widely available and low maintenance; takes 2-3 years to establish; variable seed with EL, inoculate mix with Weeping Lovegrass, Common Bermuda, Bahia or Tall Fescue.
Unseeded	75 lbs.	1.7 lbs.	5/1-2/28	9/1-2/28	9/1-2/28	Mix with Tall Fescue or winter annuals.
Seed bearing mix	3 tons	138 lbs.	10/1-2/28	10/1-1/31	10/15-1/15	Cut when seed is mature but before it shatters. Add Fall Fescue or winter annuals.

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Leopards Andros Vigata or Atrichae	---	---	---	---	---	Spreading growth with height of 18" or more in urban areas; slow to develop good stands, mix with Weeping Lovegrass, Common Bermuda, Bahia, Tall Fescue or other annuals; do not mix with Seeded Leopards; inoculate seed with EL.
Stairlift	80 lbs.	1.4 lb.	4/1-5/31	3/15-5/31	3/1-5/31	Bermuda, Bahia, Tall Fescue or other annuals; do not mix with Seeded Leopards; inoculate seed with EL.
Unseeded	75 lbs.	1.7 lbs.	9/1-2/28	9/1-2/28	9/1-2/28	Plant in small clumps for walks, roads and cover.
Leopards, Shrub (Leopards Florida or Leopards Thunbergii) Plants	3" x 3" spacing	---	10/1-6/31	11/1-6/15	11/15-2/28	Plant in small clumps for walks, roads and cover.

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Lovegrass, Seeding Alone With other perennials	4 lbs. 2 lbs.	0.1 lb. 0.02 lb.	4/1-5/31	3/15-5/31	3/1-5/31	Quick cover, drought tolerant, grows well with Seeded Leopards on road banks and other steep slopes, short lived.
Maintenance sprigs	2" x 3" spacing	---	2/1-3/31	2/1-3/31	2/1-3/31	For very wet sites such as river banks and stormwater. Dig applies locally.
Phacelia, Asteric Control	20 lbs.	0.5 lb.	---	3/1-4/20	3/1-4/20	Grows well on coastal sand dunes, mix with Seeded Leopards but not on hard clays.
Red Canary Grass With other perennials	50 lbs. 30 lbs.	1.5 lb. 0.7 lb.	8/15-10/15	9/1-10/15	---	Grows better to Tall Fescue; for wet sites.

Table 1. Some Permanent Plant Species, Seeding Rates, and Planting Dates (continued)

Species	Rates per Acre	Rates per 1,000 sq. ft.	Planting Dates by Region			Remarks
			M-L	P	C	
Stairlift, Aster Maximum	10 lbs.	0.2 lb.	4/15-5/31	3/15-5/31	4/1-5/31	Mix with Weeping Lovegrass or other low growing grasses or legumes.

1. Release seed for broadcast seed. If it is used drill is used, reduce the rates by one-half.
2. PLS is an abbreviation for Pure Live Seed. Refer to Glossary for an explanation of this term.
3. The maturity rates are defined in the Glossary. See page 60 for Residue Area.
4. Seeding rates are based on pure live seeds (PLS).

Table 2. Fertilizer Requirements for Permanent Vegetation

Type of Species	Planting Year	Fertilizer (lb./Acre)	Rate (lb./Acre)	N Top Dressing Rate (lb./Acre)
Cool season grasses	First Maintenance	8-12-12	1500	50-100
	Second Maintenance	8-12-12	1000	50
Cool season grasses and legumes	First Maintenance	6-12-12	1500	5-50
	Second Maintenance	8-12-12	1000	50
Warm season grasses	First Maintenance	6-12-12	850	30-100
	Second Maintenance	6-12-12	400	30
Warm season grasses and legumes	First Maintenance	8-12-12	850	50
	Second Maintenance	8-12-12	400	50

Ds3



Figure 2. Weeping Lovegrass

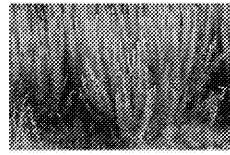


Figure 3. Sericea Leopards



Figure 4. Common Bermuda

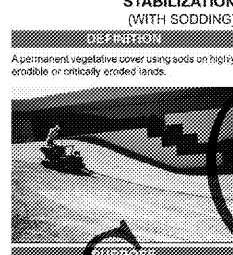
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Ds3

- MAINTENANCE**
- Re-seed areas where an adequate stand of vegetation fails to emerge or where a poor stand exists.
 - Maintain at least 6" of top growth under any use and management.
 - Exclude traffic until the plants are well established.
 - Please refer to Table 2 for second year and maintenance fertilizer rates.
 - Apply one ton of agricultural lime every 4-6 years or as indicated by soil tests.
 - Mow Bermudagrass, Bahiagrass, and Tall Fescue as desired.
 - Mow Sericea Leopards only after frost to ensure that the seeds are mature.

- RECOMMENDATIONS**
- Ds1** Disturbed Area Stabilization (With Mulching Only)
 - Ds2** Disturbed Area Stabilization (With Temporary Seeding)
 - Sa** Slope Stabilization

Ds4



- PURPOSE**
- Prevent soil erosion and sediment transport.
 - Reduce aesthetic and land value impacts.
 - Stabilize slopes and critical areas.
 - Reduce sediment, nutrients and bugs.
 - Reduce likelihood of legal action.
 - Reduce likelihood of work stoppage due to legal action.
 - Increase "good neighbor" benefits.

- INSTALLATION**
- Bring soil surface to final grade. Clear surface of brush, woody debris, stones and clods larger than 1". Apply soil to soil surfaces only and not frozen surfaces, or gravel type soils.

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Ds4

- Sod should be cut to the desired size within 48 hrs. Torn or uneven pads should be rejected.
- Sod should be cut and installed within 36 hours of digging.
- Avoid planting when subject to frost heave or hot weather, if irrigation is not available.
- The sod type should be shown on the plans or installed according to Table 2. See page 60 for your Resource Area.

Table 2. Sod Planting Requirements

Grass	Seedlings	Resource Area	Cracking Susceptibility
Bermudagrass	Common Tilley Tifton Tibawn	M-L, P, C P, C P, C	Warm weather
Bahiagrass	Panama	P, C	Warm weather
Centipede	---	P, C	Warm weather
St. Augustine	Common Bitterleaf Raleigh	C	Warm weather
Zoysia	Emerald Myer	P, C	Warm weather
Tall Fescue	Kentucky 31	M-L, P	Cool weather

- Re-sod areas where an adequate stand of sod is not obtained.
- Now and should be mowed sparingly. Grass height should not be cut less than 2"-3" or as specified.
- Apply one ton of agricultural lime as indicated by soil test or every 4-6 years.

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Ds4

- Fertilize grasses in accordance with soil tests or Table 3.

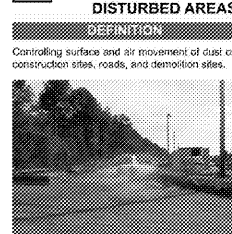
Table 3. Fertilizer Requirements for Sod

Type of Species	Planting Year	Fertilizer (lb./Acre)	Rate (lb./Acre)	N Top Dressing Rate (lb./Acre)
Cool season grasses	First Maintenance	8-12-12	1500	50-100
	Second Maintenance	8-12-12	1000	50
Warm season grasses	First Maintenance	6-12-12	850	30-100
	Second Maintenance	6-12-12	400	30-100

- RECOMMENDATIONS**
- Ds1** Disturbed Area Stabilization (With Mulching Only)
 - Ds2** Disturbed Area Stabilization (With Temporary Seeding)
 - Ds3** Disturbed Area Stabilization (With Permanent Vegetation)
 - Sa** Slope Stabilization

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Du



- PURPOSE**
- Prevent surface and air movement of dust from exposed soil surfaces.
 - Reduce the presence of airborne substances that may be harmful or injurious to human health, welfare, or safety, or to animals or plant life.

- MATERIALS**
- Remedial Methods**
- Mulches - See **Ds1** - Disturbed Area Stabilization (with Mulching only). Refer to specification **Tac** - Tackifiers for the use of synthetic resin to bind mulch material.
 - Vegetative Cover - See **Ds2** - Disturbed Area Stabilization (with Temporary Seeding).
 - Spraying Adhesives - For use on mineral soils, not muck soils. Refer to specification **Tac** - Tackifiers.

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Du

- Tillage** - Designed to roughen and bring close to the soil surface. Begin plowing on westwind side of site. Use chisel-type plows, spring-toothed harrows, or similar plows to achieve desired effect. This is an emergency measure to be used before wind erosion starts.
- irrigation** - Sprinkle the site with water until the surface is wet. Repeat as needed.
- Barriers** - Use silted board fence, snow fence, burlap fence, crate walls, bales of hay, or similar material to control air currents and soil blowing. Place barriers at right angles at intervals of 15x their height to control wind erosion.
- Calcium Chloride** - Apply at a rate to keep the surface moist.

- Permanent Methods**
- Permanent Vegetation** - See **Ds3** - Disturbed Area Stabilization (with Permanent Seeding). Existing trees and large shrubs may afford valuable protection if left in place.
 - Topsoiling** - See specification **Tp** - Topsoiling.
 - Stone** - Cover surface with crushed stone or coarse gravel. See specification **Cr** - Construction Road Stabilization.

- MAINTENANCE**
- Prohibit traffic on surface after spraying.
 - Supplement surface covering as needed.

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Order Plans

Disclaimer

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EROSION DETAILS II

ISSUED BY	PROJECT NO.
BSR	201822
DATE	SCALE
BSR	NTS
APPROVED BY	DATE
BSR	01/15/2019

C11.04



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