

Table 6-5.2: Permanent Cover Grigs
PLANT, PLANTING RATE, AND PLANTING DATE FOR PERMANENT COVER 1

Species	Stocked Rate	Planting Dates by Resource Area	Remarks
ESPERDEZA Andros virginica Lepidochloa virginica DC or Mossie Lepidochloa virginica (Dunbar) G. Don	Plant Live Seed (PLS) Rate Per Acre Per 1000 sq ft	J F M A M J J A S O N D	200,000 seed per pound. Height of growth is 15 to 24 inches. Advantages in urban areas. Spreading type growth. New growth has intense coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Setaria lepidocarpa. Slow to develop solid stands. Inoculate seed with EL inoculant.
SCARIFIED	80 lbs 1.8 lb	M-L P C	
UNSCARIFIED	75 lbs 1.7 lb	M-L P C	
ESPERDEZA, brodiaea Lepidochloa virginica Lepidochloa virginica		M-L P C	Provide wildlife food and cover.
plants LOVEGRASS, WEEPING Eragrostis curvula	3" x 3"	M-L P C	
alone	4 lbs 0.1 lb	M-L P C	1,500,000 seed per pound. Quick cover. Drought tolerant. Grows well with Setaria lepidocarpa on roadbanks.
with other cereals	2 lbs 0.05 lb	M-L P C	

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Species	Stocked Rate	Planting Dates by Resource Area	Remarks
MAIDENCANE Panicum polyanthemum	Plant Live Seed (PLS) Rate Per Acre Per 1000 sq ft	J F M A M J J A S O N D	200,000 seed per pound. Height of growth is 15 to 24 inches. Advantages in urban areas. Spreading type growth. New growth has intense coloration. Mix with weeping lovegrass, common bermuda, bahia, tall fescue or winter annuals. Do not mix with Setaria lepidocarpa. Slow to develop solid stands. Inoculate seed with EL inoculant.
SPRIGS PANDORAS ATLANTIC COASTAL Panicum polyanthemum	2" x 3 spacing ALL		
REED CANARY GRASS Phalaris arundinacea	20 lbs 0.5 lb	P C	Grows well on coastal sand dunes, borrow areas, and green past. Provides winter cover for wildlife. Use with Setaria lepidocarpa except on sand dunes.
alone	50 lbs 1.1 lb	M-L P	
with other perennials	30 lbs 0.7 lb	P	Grass similar to tall fescue
SHRIMPFLOWER, AZTEC MASSILLIAN Panicum polyanthemum	16 lbs 0.2 lb	M-L P C	227,000 seed per pound. Mix with weeping lovegrass or other low-growing grasses or legumes.

1 Reduce seeding rates by 50% when drilled.
2 PLS is an abbreviation for Plant Live Seed. Refer to Section 2.E. of these specifications.
3 M-L represents the Mountains, Blue Ridge, and Ridge and Valley MLRA.
P represents the Southern Piedmont MLRA.
C represents the Southern Coastal Plain Sand Hills, Black Lands and Atlantic Coast Flatwoods MLRA. See Figure 6-4.1.

Table 6-5.3: Durable Shrubs and Ground Covers for Permanent Cover

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Abutilon	Abutilon grandiflorum	3-4 ft.	8 ft.	Shrub with prostrate form. 2 feet high. Sun, semi-shade. Semi-evergreen.
Carex	Carex acutiformis	low	3 ft.	Very yellow, bumpy like flowers. Hardy, one of best vines. Evergreen. Native to Georgia.
Yarrow	Agrostis virginica	2-4 in.	3 ft.	Needle point ornamental. Partial shade. Blue or white flowers. Evergreen.
Beachberry	Colanthe	2-4 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Ground Cover	Cotoneaster	1-2 ft.	5 ft.	White flowers, red fruit. Sun. Evergreen.
Rock	Cotoneaster	1-2 ft.	5 ft.	Semi-evergreen. Sun.
Virginia Creeper	Parthenocissus vitacea	low	3 ft.	Med or full sun. Deciduous. Climb to 20 ft. Very hardy.
English Ivy	Hedera helix	2-3 ft.	2 ft.	Shrub. Semi-evergreen. Full sun. Very hardy.
Chamaecrista	Chamaecrista	2-3 ft.	3 ft.	Semi-evergreen. Sun. Very hardy.
Chamaecrista	Chamaecrista	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Desert Starflower	Yucca	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.
Desert Starflower	Yucca	3-4 ft.	5 ft.	Very durable. Sun, semi-shade.

DS3 CONTINUED

Table 6-5.3: Durable Shrubs and Ground Covers for Permanent Cover

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Repsodens Holly	Ilex crenata 'Repandens'	2-3 ft.	5 ft.	Sun, semi-shade.
Andorra Juniper	Juniperus horizontalis 'Plumosa'	2-3 ft.	5 ft.	Excellent for slopes. Sun.
Andorra Juniper	Juniperus horizontalis 'Plumosa compacta'	1-2 ft.	5 ft.	More compact than andorra.
Blue Chip Juniper	Juniperus horizontalis 'Blue Chip'	8-10 in.	4 ft.	
Blue Rug Juniper	Juniperus horizontalis 'Wilton'	4-6 in.	3 ft.	Very low. Sun.
Parsans Juniper	Juniperus horizontalis 'Parsans'	18-24 in.	5 ft.	One of the best, good winter cover.
Pfitzer Juniper	Juniperus chinensis 'Pfitzerana'	5-8 ft.	5 ft.	Needs...
Prince of Wales Juniper	Juniperus horizontalis 'Prince of Wales'	8-10 in.	3 ft.	Very hardy.
Sargent Juniper	Juniperus chinensis 'Sargentana'	1-2 ft.	5 ft.	Full sun. Needs good drainage. Good winter color.
Shore Juniper	Juniperus conferta	3 ft.	5 ft.	Emerald Sea or Blue Pacific subvarieties are good.
Liriodendron	Liriodendron	1-10 in.	3 ft.	

Table 6-5.3: Durable Shrubs and Ground Covers for Permanent Cover

Common Name	Scientific Name	Mature Height	Plant Spacing	Comments
Creeping Linoleum	Liriodendron	10-12 in.	1 ft.	Spreads...
Big Leaf Parthenocissus	Vitis rotundifolia	12-15 in.	4 ft.	Lilac flowers in spring. Semi-shade.
Ornamental Parthenocissus	Vitis rotundifolia	5-6 ft.	4 ft.	Lavender-blue flowers in spring. Semi-shade.
Charitoko Rose	Rosa laevigata	3 ft.	5 ft.	Compact grower. Not for restricted spaces. Status flower.
Memora Rose	Rosa laevigata	2 ft.	5 ft.	Rampant grower.
St. Johns Rose	Hippocrepis emerus	5-12 in.	5 ft.	Semi-shade.
Alum Water	Spiraea	3-4 ft.	5 ft.	Sun.
Shrub	Spiraea	3-4 ft.	5 ft.	Sun.

Table 6-5.4: Trees for Erosion Control

SITE	SOIL MATERIAL	COMMON SOILS	PLANTING TREE SPECIES*	SPACING	PLANTING DATES†
Borrow areas, gullies, and spoil material	Sandy	Lakehead, Trout	Loblolly pine (Pinus taeda) Longleaf pine (Pinus palustris)	5	M-L, P 12/1-3/15 C 12/1-3/1
		Loamy	Orangeburg, Yacon	Loblolly pine Slash pine Loblolly pine	7
Streambanks	Clay	Coal, Faceville	Slash pine Virginia pine (Pinus virginiana)	5	M-L, P 12/1-3/15 C 12/1-3/1
		Wrensburg (Soils elsewhere)	Wrensburg (Soils elsewhere)	2 ft x 2 ft	ALL

* Other trees and shrubs listed on Table 6-25.3 may be interplanted with the pines for improved wildlife benefits.
† Type of Planting: Trees alone: 4 ft x 4 ft, 2722; Trees in combination with grasses and/or other plants: 6 ft x 5 ft, 1210.
‡ M-L represents the Mountains, Blue Ridge, and Ridge and Valley MLRA; P represents the Southern Piedmont MLRA; C represents the Southern Coastal Plain, Sand Hills, Black Lands, and Atlantic Coast Flatwoods MLRA (See Figure 6-4.1).
§ Fertilization of companion crop is ample for this species.

DS3 CONTINUED

DATE PLOTTED: 12/20/2020 10:51 AM BY: BARRY RICHERT DRAWING PATH: G:\2020\2020-265-000\DWG\CIVIL\2020-265-C-Planmaker Canal POOLER PREVIEW.DWG

RELEASED FOR CONSTRUCTION

GEORGIA REGISTERED ENGINEER
No. 031215
TRAVIS G. BURKE

COLEMAN COMPANY
ENGINEERS - SURVEYORS
Savannah, Georgia (912) 500-3001 | CCI.SAV.COM

REVISIONS:

CIVIL CONSTRUCTION PLANS FOR
PIPE MAKER'S CANAL IMPROVEMENTS
LOCATED IN POOLER, GA
PREPARED FOR CITY OF POOLER

JOB NUMBER: 20-265
DATE: 06/05/20
DRAWN BY: RAR
CHECKED BY: TGB
SCALE: AS NOTED

EROSION CONTROL
DETAILS

SHEET:
ES7.8



DESIGN PROFESSIONAL'S CREDENTIALS: Know what's below. Call before you dig.
ENGINEER'S NAME (PRINTED): TRAVIS BURKE, PE
GEORGIA PE NUMBER: 31215
GSWCC LEVEL II CERTIFICATION NUMBER: 8134

NRCS ORIGINAL SUBMITTAL: 10/17/2020