

Bulk Seed

Availability of standard mixes and individual species can vary depending on yield and demand. The standard mixes are very popular but usually they are in good supply so standard mixes do not tend to sell out as fast as individual species, whose supplies typically are much more limited. Order your seed as soon as you know what mixes and species you need for your planting.

What is an ecotype?

Ecotypes are populations that have adapted to the local environmental conditions and would be expected to perform better and be more sustainable under those local conditions compared to plants not adapted to that environment. Local can refer to a very small area, such as an acre, or a much larger regional scale. When purchasing seeds, try to match your location as best as possible to the origin of the plants from which the seeds were derived. For example, Florida ecotypes would be expected to perform better under Florida conditions than North Carolina ecotypes.

Bulk Seed vs. Pure Live Seed (PLS)*

A bag of seeds contains viable seeds, inert matter (nonviable seeds, as well as pieces of leaves, stems, and flowers), and possibly even some viable weed seeds. The total contents of the bag are referred to as "bulk seed". The amount of Pure Live Seed(s) in a bag is a function of viability and purity, and is based on weight. However, since the percentage of viable seeds is determined under laboratory conditions, it is unlikely under field conditions that all viable seeds will germinate and develop into mature plants.

$$\text{PLS (lb)} = \frac{\text{Total weight of seeds in bag (lb)} \times \% \text{purity} \times \% \text{viable seeds}}{10,000}$$

where the % viable seeds = % germination + % dormant (often called hard) seeds

For example, there are 81 lb PLS in a 100 lb bag of bulk seed that has 90% pure seeds, with the pure seeds being 90% viable ($81 = [100 \times 90 \times 90] / 10,000$).

The bulk seed weight in the bag, % purity, % germination, and % dormant (or hard) seeds should be on the seed label. The total percent viable seeds might also be listed on the label; if listed, simply use it in the PLS equation.

*Norcini, J.G., A.L. Frances, and C.R. Adams. 2009. Establishment of lanceleaf tickseed (*Coreopsis lanceolata*) in roadside right-of-ways. Florida Cooperative Extension Service Publication ENH1103.

Standard Mixes

Wildflower and Grass Mixes

Florida Ecotype (except where noted)

Avon Park Upland Mix

\$38 per pound

Andropogon brachystachyus - Shortspike Bluestem
Andropogon virginicus var. *glaucus* - Chalky Bluestem
Andropogon ternarius - Splitbeard Bluestem
Aristida spp - Wiregrass
Carphephorus carnosus - Pineland Chaffhead
Liatris garberi - Garber's Blazing Star
Pityopsis graminifolia - Narrowleaf Silkgrass
Schizachyrium scoparium - Little Bluestem

Kenansville Upland Mix

\$38 per pound

Andropogon brachystachyus - Shortspike Bluestem
Andropogon virginicus - Broom Sedge
Aristida spiciformis - Bottlebrush Threeawn
Aristida spp - Wiregrass
Symphotrichum spp - Aster
Carphephorus odoratissimus - Vanillaleaf
Carphephorus corymbosus - Coastal Plain Chaffhead
Ctenium aromaticum - Toothachegrass
Elephantopus spp - Elephantsfoot
Eriocaulon spp - Pipewort
Helianthus radula - Rayless Sunflower
Ludwigia spp - Primrosewillow
Solidago fistulosa - Pinebarren Goldenrod
Solidago stricta - Wand Goldenrod

Florida Wet Flatwoods Mix

\$38 per pound

Aristida spp - Wiregrass
Liatris spicata - Blazing Star
Carphephorus carnosus - Pineland Chaffhead
Carphephorus paniculatus - Hairy Chaffhead
Coreopsis floridana - Florida Tickseed
Ctenium aromaticum - Toothachegrass
Eryngium yuccifolium - Rattlesnake Master
Aristida spiciformis - Bottlebrush Threeawn
Panicum rigidulum - Redtop Panic Grass
Andropogon virginicus - Broom Sedge
Solidago stricta - Wand Goldenrod
Rhynchospora spp - Beaksedge
Xyris spp - Yelloweyed Grass

Florida Upland Meadow Mix

Central to North Florida

\$38 per pound

Sorghastrum natan, *Americus* - Indian Grass, *Americus*
Tridens flavus - Purple Top
Coreopsis basalis - Goldenman Tickseed
Andropogon virginicus - Broom Sedge
Eragrostis spectabilis - Purple Love Grass
Monarda punctata - Spotted Beebalm
Helianthus radula - Rayless Sunflower
Liatris spicata - Dense Blazing Star
Penstemon multiflorus - Manyflower Beardtongue
Vernonia angustifolia - Tall Ironweed
Dalea pinnata - Summer Farewell
Liatris gracilis - Slender Blazing Star
Muhlenbergia capillaris - Hairawn Muhly
Pityopsis graminifolia - Narrowleaf Silkgrass
Solidago odora - Anise Goldenrod
Solidago stricta - Wand Goldenrod

Southeastern U.S. Roadside Native Mix, FL, GA, NC, and SC Ecotype Seed Mix

\$38 per pound

Schizachyrium scoparium 'Camper' - Camper Little Bluestem
Coreopsis basalis - Goldenmane Tickseed
Coreopsis grandiflora - Largeflower Tickseed
Coreopsis lanceolata - Lanceleaf Tickseed
Coreopsis tinctoria - Plains Coreopsis
Penstemon laevigatus - Appalachian Beardtongue
Monarda punctata - Spotted Beebalm
Helianthus angustifolius - Swamp Sunflower (Narrow Leaf)
Rudbeckia hirta - Blackeyed Susan
Tradescantia ohiensis - Ohio Spiderwort
Vernonia angustifolia - Tall Ironweed
Liatris pilosa - Grassleaf Blazing Star

Southeast Region Mixes

for species list for each of the mixes below, click on the Mix ID, or see <http://floridawildflowers.com/pages/Southeast-Region-Seed-Mixes.html>

Meadow and Grassland Mixes

Mix ID	Mix Name	Price per lb
117	Tall Grass Meadow Mix	77.00
118	Tall Grass Meadow Mix	53.00
119	Short Grass Meadow Mix	105.00
120	Short Grass Meadow Mix	73.00
121	Mixed Grass Meadow Mix	96.00
122	Mixed Grass Meadow Mix	65.00
123	Mixed Grass Meadow Mix	46.00
124	Mixed Grass Meadow Mix	54.00

Long Leaf Pine Understory Mixes

Mix ID	Mix Name	Price per lb
125	Long Leaf Pine Understory	81.00
126	Long Leaf Pine Understory	104.00

Wetland Mixes

Mix ID	Mix Name	Price per lb
129	Wetland Meadow	82.00
131	Wetland and Pond Edge	100.00

Retention Basin Mix

Mix ID	Mix Name	Price per lb
133	Retention Basin Mix	77.00

Flower Garden and Woodland Edge

Mix ID	Mix Name	Price per lb
134	Woodland Edge Mix	85.00
137	Wildflower Garden & Landscaping	58.00
138	Wildflower Garden & Landscaping	69.00

Construction, Roadside, and Pipeline Mixes

Mix ID	Mix Name	Price per lb
152	Construction, Roadside, and Pipeline	6.00
154	Construction, Roadside, and Pipeline	9.00

Upland Game Bird Mixes

Mix ID	Mix Name	Price per lb
143	Quail Habitat Mix	111.00
144	Quail Habitat Mix	81.00

Deer and Turkey Habitat Mixes

Mix ID	Mix Name	Price per lb
149	Deer and Turkey Habitat Mix	95.00
150	Deer and Turkey Habitat Mix	60.00

Pollinator Mixes

Mix ID	Mix Name	Price per lb
HB1	Honey Bee Specialty Mix	61.00
SS-D1	Pollinator Conservation Mix	132.00
SS-W1	Pollinator Conservation Mix	109.00
SS-BH1	Butterfly and Humming Bird	154.00

Bulk Seed by Species

Additional information about seed origin(s) is in parentheses. For North Carolina, both Coastal Plain and Piedmont origin seeds may be available. Seeds sold on a PLS basis are noted. Seed quantities available vary due to harvest conditions. Some seed species are available in quantities of less than one pound. Contact us at <http://www.floridawildflowers.com/pages/Contact-Us.html>.

Scientific Name	Common Name
Florida Ecotypes	
Wildflowers	
<i>Baptisia alba</i>	White Wild Indigo
<i>Bidens mitis</i>	Smallfruit Beggarticks
<i>Boltonia asteroides</i>	White Doll's Daisy
<i>Canna flacida</i>	Bandanna of the Everglades
<i>Carphephorus corymbosus</i>	Coastal Plain Chaffhead
<i>Chamaecrista fasciculata</i> (PLS)	Partridge Pea
<i>Chamaecrista nictitans</i>	Sensitive Pea
<i>Coreopsis basalis</i>	Goldenmane Tickseed
<i>Coreopsis floridana</i>	Florida Tickseed
<i>Coreopsis lanceolata</i>	Lanceleaf Tickseed
<i>Coreopsis leavenworthii</i>	Leavenworth's Tickseed
<i>Coreopsis pubescens</i>	Star Tickseed
<i>Dalea pinnata</i>	Summer Farewell
<i>Elephantopus elatus</i>	Tall Elephantsfoot
<i>Eryngium integrifolium</i>	Blueflower Eryngo
<i>Eryngium yuccifolium</i>	Rattlesnake Master
<i>Conoclinium coelestinum</i>	Blue Mistflower
<i>Eupatorium perfoliatum</i>	Common Boneset
<i>Gaillardia pulchella</i>	Blanketflower
<i>Helenium amarum</i>	Bitterweed
<i>Helenium autumnale</i>	Common Sneezeweed
<i>Helianthus angustifolius</i>	Swamp Sunflower
<i>Helianthus radula</i> (Panhandle)	Rayless Sunflower
<i>Hyptis alata</i>	Musky Mint
<i>Lachnanthes carolina</i>	Carolina Redroot
<i>Liatris garberi</i>	Garber's Blazing Star
<i>Liatris gracilis</i>	Slender Blazing Star
<i>Liatris spicata</i>	Dense Blazing Star
<i>Liatris tenuifolia</i> (Panhandle)	Shortleaf Blazing Star
<i>Ludwigia linearis</i>	Narrowleaf Primrosewillow

<i>Lupinus villosus</i>	Lady Lupine
<i>Monarda punctata</i>	Spotted Beebalm
<i>Oenothera laciniata</i>	Cutleaf Evening Primrose
<i>Penstemon multiflorus</i>	Manyflower Beardtongue
<i>Phlox drummondii</i>	Annual Phlox
<i>Phlox nivalis</i>	Trailing Phlox
<i>Pontederia cordata</i>	Pickrel Weed
<i>Rudbeckia mohrii</i>	Mohr's Coneflower
<i>Rudbeckia mollis</i>	Softhair Coneflower
<i>Silphium asteriscus</i> var. <i>angustatum</i>	Starry Rosinweed
<i>Sisyrinchium angustifolium</i>	Narrowleaf Blue-Eyed Grass
<i>Penstemon multiflorus</i>	Manyflower Beardtongue
<i>Phlox drummondii</i>	Annual Phlox
<i>Phlox nivalis</i>	Trailing Phlox
<i>Pontederia cordata</i>	Pickrel Weed
<i>Rudbeckia mohrii</i>	Mohr's Coneflower
<i>Rudbeckia mollis</i>	Softhair Coneflower
<i>Silphium asteriscus</i> var. <i>angustatum</i>	Starry Rosinweed
<i>Sisyrinchium angustifolium</i>	Narrowleaf Blue-Eyed Grass
<i>Solidago canadensis</i>	Canada Goldenrod
<i>Solidago fistulosa</i>	Pinebarren Goldenrod
<i>Solidago odora</i>	Anise Goldenrod
<i>Solidago stricta</i>	Wand Goldenrod
<i>Tradescantia ohiensis</i>	Ohio Spiderwort
<i>Vernonia angustifolia</i>	Tall Ironweed
<i>Vernonia gigantea</i> (PLS)	Giant Ironweed
<i>Xyris</i> sp.	Yelloweyed Grass
Grasses, Sedges, and Rushes	
<i>Andropogon brachystachyus</i> (PLS)	Shortspike Bluestem
<i>Andropogon glomeratus</i> var. <i>pumilus</i>	Bushy Bluestem
<i>Andropogon glomeratus</i> var. <i>glaucopsis</i>	Purple Bluestem
<i>Andropogon virginicus</i>	Broom Sedge
<i>Aristida stricta</i> (also referred to as <i>A. stricta</i> var. <i>beyrichiana</i>)	Wiregrass, Pineland Threawn
<i>Juncus effusus</i> (Panhandle)	Soft Rush
<i>Eragrostis elliottii</i>	Elliott's Lovegrass
<i>Eragrostis spectabilis</i>	Purple Lovegrass
<i>Muhlenbergia capillaris</i>	Hairawn Muhly
<i>Panicum anceps</i> (PLS)	Beaked Panic Grass
<i>Panicum longifolium</i> var. <i>pubescens</i> (PLS)	Long Leaved Panic Grass
<i>Panicum rigidulum</i>	Redtop Panic Grass

<i>Rhynchospora</i> sp.	Beaksedge
<i>Schizachyrium scoparium</i>	Little Bluestem
<i>Sorghastrum secundum</i>	Lopsided Indiangrass
<i>Tridens flavus</i> (PLS)	Purple Top
<i>Tripsacum dactyloides</i>	Eastern Gamagrass
Alabama Seed Origin	
Wildflowers	
<i>Coreopsis tripteris</i>	Tall Tickseed
<i>Desmodium tortuosum</i>	Dixie Tick Trefoil
<i>Eupatorium fistulosum</i>	Joe Pye Weed
<i>Helianthus angustifolius</i>	Swamp Sunflower
<i>Tradescantia ohiensis</i>	Ohio Spiderwort
Grasses, Sedges, and Rushes	
<i>Tridens flavus</i> (PLS)	Purple Top
Georgia Seed Origin	
Wildflowers	
<i>Coreopsis grandiflora</i> (Piedmont)	Largeflower Tickseed
<i>Helianthus angustifolius</i>	Swamp Sunflower
<i>Liatris elegans</i>	Pinkscale Blazing Star
<i>Parthenium integrifolium</i>	Wild Quinine
<i>Silphium asteriscus</i> var. <i>angustatum</i>	Starry Rosinweed
<i>Solidago odora</i>	Anise Goldenrod
<i>Solidago speciosa</i> (Coastal Plain)	Showy Goldenrod
<i>Tradescantia ohiensis</i>	Ohio Spiderwort
Grasses, Sedges, and Rushes	
<i>Panicum anceps</i> (PLS)	Beaked Panic Grass
<i>Sorghastrum nutans</i> 'Americus' (PLS)	Americus Indiangrass
<i>Tridens flavus</i> (PLS)	Purple Top
North Carolina Seed Origin	
Wildflowers	
<i>Amorpha herbacea</i>	Clusterspike False Indigo
<i>Baptisia albescens</i>	Spiked Wild Indigo
<i>Bidens aristosa</i> (Coastal Plain, Piedmont)	Bur Marigold
<i>Coreopsis lanceolata</i> (Coastal Plain)	Lanceleaf Tickseed
<i>Coreopsis verticillata</i>	Whorled Tickseed
<i>Helianthus angustifolius</i> (Coastal Plain)	Swamp Sunflower
<i>Hibiscus moscheutos</i> (Coastal Plain,	Crimson-eyed Rosemallow

<i>Piedmont)</i>	
<i>Liatris pilosa</i> var. <i>elegantula</i>	Grassleaf Blazing Star
<i>Ludwigia maritima</i> (Piedmont)	Seaside Primrosewillow
<i>Monarda punctata</i>	Spotted Beebalm
<i>Rhexia mariana</i> (Coastal Plain)	Maryland Meadow Beauty
<i>Rudbeckia hirta</i> (Coastal Plain)	Blackeyed Susan
<i>Saururus cernuus</i>	Lizard's Tail
<i>Vernonia noveboracensis</i> (Piedmont)	New York Ironweed
Grasses, Sedges, and Rushes	
<i>Andropogon gerardii</i> 'Suther' (Piedmont) (PLS)	Suther Big Bluestem
<i>Andropogon virginicus</i> (PLS)	Broom Sedge
<i>Carex albolutescens</i> (Coastal Plain)	Greenwhite Sedge
<i>Carex crinita</i>	Fringed Sedge
<i>Carex glaucescens</i>	Southern Waxy Sedge
<i>Carex lupulina</i> (Coastal Plain)	Hop Sedge
<i>Carex lurida</i>	Lurid Sedge
<i>Carex tribuloides</i> (Piedmont)	Bristlebract Sedge
<i>Chasmanthium latifolium</i> (Coastal Plain)	River Oats
<i>Chasmanthium laxum</i>	Slender Woodoats
<i>Glyceria striata</i> (Piedmont)	Fowl Mannagrass
<i>Juncus coriaceus</i> (Coastal Plain)	Leathery Rush
<i>Juncus effusus</i> (Coastal Plain, Piedmont)	Soft Rush
<i>Panicum rigidulum</i> (Coastal Plain)	Redtop Panic Grass
<i>Panicum virgatum</i> 'Carthage' (PLS)	Carthage Switchgrass
(also sold pre-stratified to reduce dormancy)	
<i>Rhynchospora globularis</i>	Globe Beaksedge
<i>Rhynchospora</i> sp.	Beaksedge
<i>Schizachyrium scoparium</i> (PLS)	Little Bluestem
<i>Scirpus cyperinus</i> (Coastal Plain)	Woolgrass
<i>Sorghastrum nutans</i> (Piedmont) (PLS)	Yellow Indiangrass
<i>Sparganium americanum</i> (Coastal Plain)	Eastern Bur-Reed
<i>Tridens flavus</i> (Piedmont)	Purple Top
South Carolina Seed Origin	
Wildflowers	
<i>Baptisia perfoliata</i>	Catbells
<i>Coreopsis verticillata</i>	Whorled Tickseed
<i>Eryngium yuccifolium</i>	Rattlesnake Master
<i>Helianthus angustifolius</i>	Swamp Sunflower
<i>Lobelia puberula</i>	Downey Lobelia

<i>Ludwigia linearis</i> (Coastal Plain)	Narrowleaf Primrosewillow
<i>Monarda punctata</i> (Coastal Plain)	Spotted Beebalm
<i>Penstemon laevigatus</i>	Appalachian Beardtongue
<i>Rudbeckia fulgida</i> var. <i>fulgida</i>	Orange Coneflower
<i>Silphium asteriscus</i> var. <i>angustatum</i>	Starry Rosinweed
<i>Vernonia acaulis</i>	Stemless Ironweed
Grasses, Sedges, and Rushes	
<i>Chasmanthium latifolium</i>	River Oats
<i>Panicum anceps</i> (PLS)	Beaked Panic Grass
Other State/Regional Seed Origins	
Wildflowers	
<i>Gaillardia aristata</i> (Midwestern U.S.)	Perennial Blanketflower
Grasses, Sedges, and Rushes	
<i>Carex lurida</i> (<u>SE Virginia/NE North Carolina blend</u>)	Lurid Sedge
<i>Tripsacum dactyloides</i> ' <u>Highlander</u> ' (<u>Tennessee</u>)	Highlander Eastern Gamagrass
<i>Panicum amarum</i> ' <u>Atlantic</u> ' (<u>Virginia</u>)	Atlantic Coastal Panic Grass
<i>Panicum virgatum</i> ' <u>Alamo</u> ' (<u>Texas</u>)	Alamo Switchgrass
Miscellaneous	
<i>Coreopsis tinctoria</i> (Common garden variety)	Plains Tickseed
<i>Papaver rhoeas</i> , Red	Corn Poppy, Red
<i>Papaver rhoeas</i> , Shirley Mix	Corn Poppy, Shirley Mix
<i>Typha domingensis</i>	Southern Cattail