

## 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
<a href="#">117</a>	Tall Grass Meadow Mix	77.00
<a href="#">118</a>	Tall Grass Meadow Mix	53.00
<a href="#">119</a>	Short Grass Meadow Mix	105.00
<a href="#">120</a>	Short Grass Meadow Mix	73.00
<a href="#">121</a>	Mixed Grass Meadow Mix	96.00
<a href="#">122</a>	Mixed Grass Meadow Mix	65.00
<a href="#">123</a>	Mixed Grass Meadow Mix	46.00
<a href="#">124</a>	Mixed Grass Meadow Mix	54.00

### Long Leaf Pine Understory Mixes

Mix ID	Mix Name	Price per lb
<a href="#">125</a>	Long Leaf Pine Understory	81.00
<a href="#">126</a>	Long Leaf Pine Understory	104.00

### Wetland Mixes

Mix ID	Mix Name	Price per lb
<a href="#">129</a>	Wetland Meadow	82.00
<a href="#">131</a>	Wetland and Pond Edge	100.00

### Retention Basin Mix

Mix ID	Mix Name	Price per lb
<a href="#">133</a>	Retention Basin Mix	77.00

### Flower Garden and Woodland Edge

Mix ID	Mix Name	Price per lb
<a href="#">134</a>	Woodland Edge Mix	85.00
<a href="#">137</a>	Wildflower Garden & Landscaping	58.00
<a href="#">138</a>	Wildflower Garden & Landscaping	69.00

### Construction, Roadside, and Pipeline Mixes

Mix ID	Mix Name	Price per lb
<a href="#">152</a>	Construction, Roadside, and Pipeline	6.00
<a href="#">154</a>	Construction, Roadside, and Pipeline	9.00

### Upland Game Bird Mixes

Mix ID	Mix Name	Price per lb
<a href="#">143</a>	Quail Habitat Mix	111.00
<a href="#">144</a>	Quail Habitat Mix	81.00

### Deer and Turkey Habitat Mixes

Mix ID	Mix Name	Price per lb
<a href="#">149</a>	Deer and Turkey Habitat Mix	95.00
<a href="#">150</a>	Deer and Turkey Habitat Mix	60.00

### Pollinator Mixes

Mix ID	Mix Name	Price per lb
<a href="#">HB1</a>	Honey Bee Specialty Mix	61.00
<a href="#">SS-D1</a>	Pollinator Conservation Mix	132.00
<a href="#">SS-W1</a>	Pollinator Conservation Mix	109.00
<a href="#">SS-BH1</a>	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
<b>Florida Ecotypes</b>	
<b>Wildflowers</b>	
<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>	Pickereel 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>	Pickereel 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
<b>Alabama Seed Origin</b>	
<b>Wildflowers</b>	
<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
<b>Grasses, Sedges, and Rushes</b>	
<i>Tridens flavus</i> (PLS)	Purple Top
<b>Georgia Seed Origin</b>	
<b>Wildflowers</b>	
<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
<b>Grasses, Sedges, and Rushes</b>	
<i>Panicum anceps</i> (PLS)	Beaked Panic Grass
<i>Sorghastrum nutans</i> 'Americus' (PLS)	Americus Indiangrass
<i>Tridens flavus</i> (PLS)	Purple Top
<b>North Carolina Seed Origin</b>	
<b>Wildflowers</b>	
<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
<b>Grasses, Sedges, and Rushes</b>	
<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
<b>South Carolina Seed Origin</b>	
<b>Wildflowers</b>	
<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
<b>Grasses, Sedges, and Rushes</b>	
<i>Chasmanthium latifolium</i>	River Oats
<i>Panicum anceps</i> (PLS)	Beaked Panic Grass
<b>Other State/Regional Seed Origins</b>	
<b>Wildflowers</b>	
<i>Gaillardia aristata</i> (Midwestern U.S.)	Perennial Blanketflower
<b>Grasses, Sedges, and Rushes</b>	
<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
<b>Miscellaneous</b>	
<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