

Southeast
AGRISEEDS^{LLC}



THE PERENNIAL FORAGE GUIDE



Are you ready for better
hayfields & pastures?

It's all in here.

Table of Contents

Cool season perennials

Tall Fescue	5
Orchardgrass.....	7
Festulolium	9
Bromegrass	11
Mixtures	13
White Clover	15
Red Clover and Clover mixtures.....	17
Forbs	19

Warm season perennials

Bermudagrass	21
Bahiagrass	23

Management

Interseeding	25
Renovating	27

Perennial product list



How we help you

We, our staff and dealers, want to get to know YOU and your operation. Our commitment to modern agriculture is strong and our goal is to help you find the products that fit your farm and develop a cropping system that is balanced and profitable. Proudly based out of Rome, Georgia, Southeast AgriSeeds services the southeast region with a full line of forage, cover crop, wildlife and erosion control seeds.

We're here to walk alongside you.

Research and Development

In house variety trials and quality samples, as well as university and privately sponsored trials allow us to bring you top-performing varieties for the southeast. When a new variety hits your farm, rest assured that it has been evaluated extensively to ensure that it aligns with our goals.

Extensive Dealer Network

Our local dealers do more than sell seed. They are your local advisors. Many of them have experience with our products on their own operations, are key members of local forage and conservation programs, and attend our frequent training programs. They have the tools to serve your needs!

Technical Support Staff

We are committed to helping you find solutions. Our technical staff members participate in continued education training and are well versed in state-of-the-art production. Through farm visits, educational meetings and frequent publications, our staff shares what they have learned or discovered with you.

Seed Quality Standards

We pay attention to the details just like you do. Every bag of seed we handle has been quality checked for high purity and germination. Our warehouse staff diligently manages to maintain this quality from our facility to your farm.

See what we see every day. Follow us!



Let's start optimizing.

TALL FESCUE

HIGHLIGHTS:

SEEDING RATE

25-30lbs/A full rate or 10-12lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"

BEST USED FOR:

Stockpiling, grazing tolerant forage, persistent pasture and hayfields

NOT WELL SUITED FOR:

Lactating dairy cattle, sandy soils, areas that flood more than 36 hours



Fescue is the go to grass for producers who need long lasting perennial fields through the harsh conditions in the Southeast. Reliable spring and fall growth can be stockpiled, meaning left to be grazed until a later date, while maintaining forage quality. This ability is unique to fescue. To improve overall animal performance, utilize novel endophyte and endophyte free varieties. It is best to seed fescue in the fall with rainfall in the forecast. A later winter planting is possible given the right weather conditions. Fertilize shortly after emergence, and graze or harvest when the fescue reaches 8-10" tall. This is critical for the stand longevity as it encourages the plants to tiller and fill in beyond the drill rows. Fescue alone is not the most palatable forage, so while it's perfect for a cow calf operation and horse pasture, Balancer or Grass Maxx mixtures will better serve producers with growing animals or small ruminants.

Consider this...

Average weaning weight for calves on novel endophyte fescue vs KY-31 is 75lbs heavier. The toxin in KY-31 reduces palatability and total animal intake.

Fescue planting season is long. With mild winters, we can stretch the planting dates of fescue until later in the fall and even see success with later winter seedings.

A maintenance overseeding of 10-15lbs per acre every other year will keep your fescue stand thick and fresh.

The endophyte from KY-31 will not transfer to other fescues.

Testimonials

"If it wasn't for my BarOptima, I'd be hurting for dry hay. I've been very impressed so far."

Tony Isley, Snow Camp NC

"I like this Martin 2 so far. The cattle don't keep their hair coat like they used to. Calves are big- we have had a good season."

Charles Croft, Calhoun GA

Martin 2 with Protek - The Tough One. This medium-early maturity variety is the most rugged in the lineup. Excellent disease resistance and great longevity make this one of the most sought after novel endophytes on the market. Learn more on YouTube- search 'Martin II fescue'.



Tower with Protek - A soft leaf variety of novel fescue that is later maturing. These two unique characteristics make Tower with Protek a great option for quality hay production. The late maturity keeps plants vegetative for longer and the softer nature of the leaves improves palatability.

BarOptima plus E34 - The original soft leaf tall fescue. The soft leaf quality makes this fescue more palatable and drives consumption by livestock higher.

BarOptima **PLUS** E34



Cajun II endophyte free - A strong endophyte free variety. Great disease resistance and yield. Cajun II genetics have been used as the basis for many new fescue varieties, including Martin II.



ORCHARDGRASS

HIGHLIGHTS:

SEEDING RATE

18-22lbs/A full rate uncoated seed
or 22-25lbs/A coated seed
10-12lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"

BEST USED FOR:

Grass and pasture finished beef, lactating dairy cows, growing animals, horses

NOT WELL SUITED FOR:

Overstocked pasture, sandy soils, low fertility areas



Orchardgrass is a high energy grass that jumps out and yields big in the spring and has moderate yield in the fall. While we have come a long way with orchardgrass genetics for our climate, there are still some important management considerations for stand longevity. Harvest no lower than 4" and do not graze or mow for hay during a drought. Maintain adequate phosphorous and potassium concentrations in the soil. Orchardgrass is very marketable hay for horse and livestock customers due to its nutritive value, palatability, and visual appeal. In pastures, orchardgrass improves animal intake and is great for interseeding into fescue to reduce the toxico-sis. Orchardgrass pairs well with perennial red and white clovers. In the establishment year, be sure to mow or graze the orchardgrass down to 4" when it reaches 8+". This is imperative for stand longevity and tillering in early growth.

Consider this...

Improved genetics have allowed for increased longevity of orchardgrass in the south.

Orchardgrass is as drought tolerant as fescue, but it doesn't tolerate continuous grazing as well.

Drought is typically blamed for orchardgrass death, but it's most commonly disease that takes it out-newer varieties are more tolerant of these diseases.

Interseeding orchardgrass into KY-31 fescue can dilute the endophyte toxicity.

Variety maturity can affect stand life/longevity. These can vary by a full month.

Orchardgrass is nutritionally superior to fescue and has better palatability.

Testimonials

“I interseeded Endurance into a stand of mixed grass and it even survived the drought of 2016.”

Producer in Lyerly, GA

Endurance - An orchardgrass for the south. This early maturity variety was developed at the University of Georgia and selected for persistence and tolerance to low cutting height. The yield and disease resistance have been impressive in the field. *Available with or without a 50% seed coating.*



Olathe - This early maturity variety has proven to survive harsh droughts and come back with aggressive regrowth. *Available with or without a 50% seed coating.*

Inavale - The latest maturing variety in the lineup. Often, later maturing varieties are avoided in our region due to heat stress, but Inavale can handle it. Consider Inavale if you have a difficult time harvesting orchardgrass in the vegetative state. Available in untreated.

Persist - Another southern bred variety developed by the University of Tennessee. Persist under humid conditions and is a high yielding variety. *Available with a 34% seed coating.*



FESTULOLIUM

HIGHLIGHTS:

SEEDING RATE

25-35lbs/A full rate or 12-15lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+” tall to harvest, leave behind 4”

BEST USED FOR:

Grass and pasture finished beef, milking, growing livestock, horse hay

NOT WELL SUITED FOR:

Overstocked pasture



This grass is the result of a cross between annual ryegrass and tall fescue. The appearance of Festulolium is much like tall fescue: very high yield potential in combination with high persistence and tolerance to drought and periodic flooding. The main advantage of Festulolium is the improved feeding value and palatability. In trials, Festulolium yield rivals tall fescue. If you need a high quality forage that can handle difficult conditions, this is a great option. In a mixture with other perennial grasses and/or white clover, it will deliver good forage suitable for most classes of livestock. Seed 20-25 lbs/A as a new stand or 10-15 interseeded.

Consider this...

Festulolium delivers a balance of ryegrass quality and fescue toughness.

Mahulena is represented in a current ongoing fescue trial at the University of Georgia. As of spring of 2020, it's looking great!

Our strong interest in festulolium as a cool season perennial option for the south began after it outlasted a handful of prominent fescue trials in a piedmont NC trial- It persisted over 6 years!

Festulolium seed is more vigorous than fescue or orchardgrass.

Testimonials

“The Fojtan Festulolium is some of the best hay we’ve harvested.”

Sean McCashin Mocksville, NC

“In our 7-way trial, the Festulolium was far preferred to any other grasses.”

Andy Burlingham Greenville NC

Fojtan - A medium-late maturity variety that is well suited for grazing pressure. Does well in mixtures with orchardgrass. Fojtan is known for it's persistence.

Mahulena - This early maturing variety has been entered into tall fescue trials and tops the charts on yield. It's known as a robust variety that has very little stems in it's regrowth- further improving on it's already high quality and palatability.



BROMEGRASS

HIGHLIGHTS:

SEEDING RATE

25-35lbs/A full rate or 10-12lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"

BEST USED FOR:

Grass and pasture finished beef, milking , rotational grazing, high nutrient areas, shaded areas

NOT WELL SUITED FOR:

Overstocked pasture, wet fields



Prairie brome grass is not new to our region- Matua brome grass was heavily used in the 80's as part of swine effluent waste fields. This perennial aggressively reseeds itself, so it is not unusual to run across it- especially in lightly shaded areas or where rotational grazing is in place. Prairie brome grass is a short lived perennial, 2-3 years on average per plant, but it's ability to aggressively reseed keep brome grass pastures and hay fields thick for years. It can persist well without heavy nutrients, but is also capable of taking up to 250 units of nitrogen in a season. It cannot handle a continuous grazing plan. Brome grass makes a very marketable hay and is also very palatable. Avoid letting grass stockpile, as it can be prone to getting powdery mildew.

Consider this...

Persister brome grass has solid potential as a perennial replacement for annual ryegrass in the growth curve.

Prairie brome grass is a very aggressive re-seeder.

Prairie brome grass holds quality after it seeds out better than any other perennial grass.

'Rescue grass' is a common name for prairie brome grass. Unlike common 'rescue grass', these improved brome grass varieties have much higher leaf to stem ratio.

Testimonials

“Persister bromegrass is a game changer. It provides a more balanced diet than ryegrass because of the effective fiber present.”

Northeast GA producer Danielsville, GA

Persister - A disease tolerant variety with excellent yield, re-growth, and reseeding capacity.



Atom- An early maturity variety that is well suited for climates with extended droughts during the summer and mild winters, adapted well to sandy soils and even higher pH soils.



MIXTURES

Balancer - A top-yielding mix of grasses and legumes with balanced energy and protein. Rugged and tough with high nutritional value, this high-end mixture designed specifically to provide livestock the nutrition they need to maintain, gain, and produce in the challenging climate of the southeast. From its base of Martin II fescue with Protek to its complementary blend of orchardgrass and clovers, this mixture has quality and performance in mind!

SEEDING RATE

25-30lbs/A full rate or 15bs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"



Testimonial

"I'm amazed at the clover specifically in this mix. I cut one cut this spring and cut it high to protect the new grasses-specifically with orchardgrass in mind. The mix looks good and I get a lot of questions about it from people passing by. If I were re-doing any pasture or hay ground, Balancer Mix is what I would use."

Larry Spruill, Heard County GA

Consider this...

These mixtures aren't what you get on the shelf at Tractor Supply. We consider seed size, plant vigor, forage timing and nutritional value when we develop mixtures.

Your drill will do it! While mixtures can be a little tricky to seed, with a little calibration your average seed drill will drill mixtures just fine.

Grass finishing a high quality beef is especially difficult without pasture diversity.

Diversity is more than just species- we add two varieties of orchardgrass into Balancer to spread the timing of forage delivery.

Rejuvenate 2, 4, 6, 8- This interseeding mixture is perfect for maintaining productive, diverse pastures or hayfields. At 20 lbs/ac, you will be seeding: 2 lbs/ac of Renovation White Clover, 4 lbs/ac of Kenland Red Clover, 6 lbs/ac of Persist Orchardgrass, 8 lbs/ac of Cajun II Fescue. This mix can help reduce KY-31 toxin load, increase pasture productivity, and offers an excellent mixture for building pasture diversity and rejuvenating pastures each year.

SEEDING RATE

15-20lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"

Grass Maxx - Grass Maxx is an all grass mix that combines the yield and aggressiveness of Martin II Protek with the elevated nutrition of orchardgrasses. Grass Maxx provides the diversity you need in a hayfield or pasture while giving you the option of broadleaf weed control during the establishment year. After establishment, frost-seeding a clover or clover blend into the stand in late winter can be a great option to thicken it and boost protein.

SEEDING RATE

25-30lbs/A full rate or 15lbs/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"



WHITE CLOVER

HIGHLIGHTS:

SEEDING RATE

2-3lb/A interseeding

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

6+" tall to harvest, leave behind 2"

BEST USED FOR:

Grass and pasture finished beef, lactating dairy cattle, small ruminants, increasing diversity in existing pasture

NOT WELL SUITED FOR:

Overstocked pasture, pastures where long lasting broadleaf herbicides have been used

Not all white clover is created equal. The amount of nitrogen and crude protein available is directly related to dry matter production. Translation? The bigger the clover, the better for your pasture and your livestock. Let go of your white dutch clover and look into clovers that actually do work for you: intermediate and ladino types. Intermediate white clovers are more stolon dense, hold up to traffic better, and reseed themselves more aggressively than ladino type clovers. Ladino white clovers are large, showy leaves that yield big and provide large amounts of nitrogen. Broadcast or drill into tightly grazed or mowed fields in the fall or "frost seed" in mid winter for best establishment results. Graze or mow existing plants when they reach 8" to keep the canopy open so that the clover plants can establish. Most clovers come coated and preinoculated for ease of distribution and speed of establishment.

Consider this...

Adding white clover to established grass stands can increase animal gain up to 0.5lb per day

White clover is classified into 3 different groups based on size and growth habit: small, intermediate, and ladino.

In diverse stands, white clover produces enough nitrogen to meet the fertility needs of the grasses.

Bloat can be very easily avoided by not grazing for the first time when heavy dew is present or when animals are very hungry.



Put the numbers to it

Adding white clover to KY-31 infected fescue stands increased steer gains.

Beef steer performance as affected by white clover in endophyte-infected tall fescue. (Hoveland *et al.*, 1981)

Infected KY-31 tall fescue without clover: 1.06lbs ADG,
Gain per acre 374lbs

Infected KY-31 tall fescue with white clover: 1.53lbs ADG,
Gain per acre 582lbs



Neches - Developed out of Texas A&M, this large-leaf intermediate type variety has a long blooming period and high reseeding potential, even in warm-season perennial grass stands.



Renovation - An intermediate variety with excellent stolon development. Ideal for those tightly grazed pastures or fields that may be stockpiled. Excellent reseeding.

Regal Graze - A ladino type clover selected out of the UGA program under grazing pressure. Has shown excellent drought tolerance. Very showy, yields big in University trials.



Barblanca - Barblanca is a big, showy clover with great heat tolerance. Excellent persistence under grazing pressure.



RED CLOVER

HIGHLIGHTS:

SEEDING RATE

8-10lbs/A

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

8+" tall to harvest, leave behind 4"

BEST USED FOR:

Grass and pasture finished beef, lactating dairy cattle, small ruminants, increasing diversity in existing pasture and hay fields

NOT WELL SUITED FOR:

Overstocked pasture, pastures and hayfields where long lasting broadleaf herbicides have been used



Every year, it seems we learn a new and exciting reason to be using red clover in our pastures and hay fields. Aside from red clover having a greater percentage of bypass protein compared to alfalfa, it has also been discovered that the concentration of Biochanin A is very high in red clovers. This compound is a vasodilator, giving us not only dilution from KY-31 fescue toxicosis but a direct action against its negative effects. To improve the longevity of red clover, leave behind a taller residual than white clover. Broadcast or drill into tightly grazed or mowed fields in the fall or "frost seed" in mid winter for best establishment results. Graze or mow existing plants when they reach 8" to keep the canopy open so that the clover plants can establish. All clovers come coated and preinoculated for ease of distribution and speed of establishment.

Consider this...

Red Clover produces more forage and more nitrogen than white clover in a given year.

Red Clover is often mistaken for Crimson Clover...They are not the same.

Red Clover can produce forage quality that matches alfalfa.

While it grows wild in the southeast, Red Clover is more sensitive to overgrazing and herbicides and therefore shows up more in ditches and roadbanks than in pastures.

Put the numbers to it

Approximate pounds of nitrogen annually fixed per acre by various legumes.

Don Ball, Auburn University

Legume Species	Annual Pounds N/Acre
Alfalfa	200-300
Red clover	100-200
White clover	100-150
Annual clovers (arrowleaf, crimson, etc.)	50-150



Barduro - Barduro is a persistent red clover variety named for its hardiness and durability. In a hay cutting trial at the Auburn Research Center, Barduro was the only variety to survive during their worst drought in 25 years.

Freedom - Bred for yield and persistence, this variety has exceptional resistance to mildew. Has reduced pubescence, making this an excellent selection for dry hay production.

CLOVER MIXTURES

Premium Clover Blend- A blend that is lower in the red to white clover ratio. Best for interseeding into thin alfalfa or grass stands or adding to your favorite cool-season grasses. Seed 4-6lbs/A.

Pasture Booster- A mix of our best performing red and white clovers, specifically designed to dilute the impact of the toxin in Kentucky 31 Fescue. Seed 6 to 8lbs/A.

FORBS

HIGHLIGHTS:

SEEDING RATE

1-2lbs/A

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

6+" tall to harvest, leave behind 2"

BEST USED FOR:

Grass and pasture finished beef, lactating dairy cattle, small ruminants, pairing with stockpiled forages, interseeding to improve palatability and quality

NOT WELL SUITED FOR:

Overstocked pasture, dry hay production



Forbs are non-legume broadleaves that are high in protein, digestible energy, and palatability. They complement existing grasses well and can be broadcasted in the fall, mid winter, and even early spring. Small seed size contributes to the low seeding rate,. These forages are also low in effective fiber. This means that they are not a suitable forage alone, but can drastically increase quality of a pasture. Chicory jumps out of the gate fairly quickly and is often ready to graze within 8 weeks of planting. Plantain establishes more similar to our cool season perennial grasses, taking it's time initially and requiring a grazing break until it reaches 6". Broadcasting is the easiest method of establishment, but they can easily be drilled shallow as part of a mixture of grasses and legumes.

Consider this...

Perennial forbs have a unique mineral profile that can replace some of the minerals fed.

With a deep tap root, perennial forbs act as a continuous cover crop that alleviates compaction.

Unlike native forbs, true forage types are bred to have an exceptionally wide leaf.

While most people are concerned about killing white clover with broad leaf herbicides, perennial forbs are even more sensitive to herbicides and herbicide residual than white clover.

Perennial forbs are common in wildlife mixes...they're also great for livestock!

Testimonial

“I paired chicory with stockpiled crabgrass to extend my grazing season, and the chicory kept the nutrition of the pasture high enough that my cows did really well.”

Buron Lanier, Producer and Southeast AgriSeeds dealer in Burgaw, NC



Choice Chicory - A widely adaptable, flexible variety. Proven to be aggressive and high yielding. High metabolizable energy levels and crude protein, and very palatable. Available in untreated.

Forb Feast Chicory- Forb Feast Chicory is a drought-tolerant perennial with substantial research behind it showcasing its high nutritive value, mineral content and potential antiparasitic impacts for small ruminant animals. Add this forb to any perennial or annual mixture for fast, productive leafy growth. Coated at 34%.

Six Point Chicory- Bred for greatly improved disease resistance, which significantly increases survival under grazing. Six Point also breaks winter dormancy earlier, so it has a longer growing season to provide high quality feed for a longer season.

Tonic Plantain - An improved, productive variety of plantain, dense in minerals, very palatable and full of digestible energy. Available in untreated.

BERMUDAGRASS

HIGHLIGHTS:

SEEDING RATE

8-10lbs/A

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

6+" tall to harvest, leave behind 2"

BEST USED FOR:

Cow/calf operations, areas that tend to be droughty, summer hay production, high traffic areas

NOT WELL SUITED FOR:

Livestock with high caloric needs, areas that have standing water



Bermudagrass has a growing importance all across the Southeast as our summers become hotter and dryer. This forage is one of the most drought tolerant around, although it is not the highest quality. Bermudagrass is perfect for a reliable summer and early fall growth and actually goes dormant after the first frost. This true dormancy allows the area to be overseeded with winter annuals, like triticale and winter oats. This unique opportunity means that field dedicated to warm-season production can be used to grow cool season annuals. Limit ryegrass overseeding to avoid suppressing the bermuda long term. Requires high nitrogen and potassium fertility to perform. Seeded bermudas do have a yield lag compared to sprigged varieties, but many producers are turning to seeded varieties because establishment ease and cost.

Consider this...

Seeded bermudagrass is about 1/3 of the establishment cost of sprigged varieties.

Bermudagrass can be stockpiled into the late fall/early winter to extend the grazing season.

Some of the best stands of bermuda we have seen were mowed with a turf mower weekly during the establishment period to reduce grassy weed pressure.

Bermudagrass is not just for sandy soils! It performs just as well in clay type soils.

Bermudagrass will spread and thicken in feeding areas and cattle trails with ease.

Testimonial

“The Gaucho bermuda came up and filled in faster than any bermuda I’ve ever seen.”

Earl Smith, Hope Mills NC

“I got 120 small square bales per acre off my second cutting this year.”

Tony Newson, White County GA

Gaucho - Gaucho is a blend CD90160, the highest yielding seeded bermudagrass. Gaucho has proven to be a perfect blend of high yielding, cold tolerant varieties with persistence.



Curious about establishing Gaucho bermuda? Find “Gaucho Bermudagrass” on YouTube.

Chilly Verde - This variety was developed in North Carolina for cold tolerance, persistence, and ability to survive in a wide pH range. Known for it’s ability to spread quickly and establish rapidly.



BAHIAGRASS

HIGHLIGHTS:

SEEDING RATE

12-15lbs/A

PLANTING DEPTH

Soil surface to 0.25"

HARVEST HEIGHTS/RESIDUAL HEIGHTS

6+" tall to harvest, leave behind 2"

BEST USED FOR:

Extremely wet, low fertility, or high traffic areas

NOT WELL SUITED FOR:

Livestock with high caloric needs



Bahiagrass is known for being the grass that will grow in conditions that other forages cannot handle. This high fiber grass is not suited for livestock with high caloric needs, like growing cattle or small ruminants, but is a great option for areas that will not dry out or have extremely high traffic. This grass is slow to establish, but once established will spread and prevent weeds from emerging. Not well suited for mixing with other forages due to its aggressive nature. It can persist with low fertility but you will see a significant yield boost from fertilizing.

Consider this...

Bahiagrass can tolerate persistently wet areas and frequent flooding very well.

This is commonly used by the DOT for roadsides because of its low maintenance nutrient requirements and natural ability to suppress weeds.

Overseeding winter annuals into dormant bahiagrass is more inconsistent than what we see with bermudagrass. Consider cross drilling seed or using vertical tillage to disrupt the rhizomes for improved results.

Mow frequently , 21-28 days during peak season, to optimize quality

Add a perennial legume, like AU Grazer lespedeza, to improve overall forage quality.

Testimonial

“Pensacola bahiagrass dried out an area of my pasture that was always so wet.”

Producer in Duplin County NC

TifQuick- TifQuick is a fast starting, high yielding bahiagrass with good forage potential. It is more upright than other bahiagrasses and tolerates wetter conditions. One strong characteristic of bahiagrass is its ability to handle wet conditions, which works great in lower-lying areas, or areas prone to flooding. Our TifQuick is produced right here in Georgia!

Pensacola- This variety of bahiagrass greens up earlier than TifQuick, but plays out more quickly in the fall. Yields 10-15% less than TifQuick. Mature bahiagrass can be very unpalatable to livestock, so begin grazing when the plant is younger (6-8") so it is more nutritious and palatable. This is one of the most traffic tolerant forages once established. While bahiagrass can survive with limited nutrients, it does respond positively to fertility.



Renovate or Rejuvenate?

It can be tough to decide whether to move on from a thinning field of perennials or to thicken it up by interseeding. Fields that have significant weed pressure, undesirable or unproductive forage species are prime examples of pasture that should be completely renovated. A great way to objectively determine the amount of useable forage is to use a method called point-step. To execute this method, simply write down “desirable” and “undesirable” on a piece of paper. Every 15 steps, look at the forage or weed at the tip of your boot and make a hash under the category it falls under. Take 50-100 points and calculate the percentage of desirable forage. If the percentage of desired forage is high in the field (>75%), it may be a good opportunity to simply thicken up the stand, or “rejuvenate”. Interseeding grasses, legumes, or forbs can quickly improve pasture productivity and quality. Rejuvenation can also be part of your maintenance program. We encourage regular overseedings with low rates to encourage seed banking and keep a cool season perennial stand fresh.

Interseeding

There are several ways to rejuvenate the existing pasture without completely reseeding. Management strategies should be evaluated to determine if any of the following will significantly thicken the pasture:

- Timely Fertilization
- Weed Control
- Grazing Management

Over time, you may find that pastures need to be thickened to improve productivity and quality as well as increase overall diversity. The addition of new grasses into an existing stand of pasture can greatly improve palatability, quality, and yield. Interseeding grasses or legumes into Kentucky 31 Tall Fescue pastures can even help to dilute the negative effects.



Suppress the existing grasses

The challenge with interseeding is the competitive nature of an established perennial to a seedling that has just germinated. Due to this advantage to the established grasses, a few measures should be taken to give the newly seeded grass an opportunity to thrive.

Option A: Chemically suppress existing grasses prior to seeding. Applying a half or quarter rate of glyphosate or gramaxone can stunt the established stand without termination. Depending on weather conditions, this can do some damage to the existing grasses. This method does provide the best opportunity for establishment of the newly seeded forages. Be sure to read herbicide labels to determine when it is safe to plant.

Option B: Mowing the existing grasses very low prior to seeding. This method is less of a risk to the established grass, but may not be enough of an opportunity for the newly seeded forage. Multiple mowing's may be necessary if growing conditions favor the established grass.

Management to favor the interseeded grasses does not stop once seed is in the ground. The first 6 months during the establishment period, mowing high (6-8" residual) when the existing grasses start to grow tall is imperative.



Before you seed a perennial, have you...

- ❑ **Fertilized according to your soil test?**
- ❑ **Calibrated your drill?**
- ❑ **Limited residue on the soil surface?**



Pasture Renovation

If the point step method yields desirable forage in less than 75% of the area, it may warrant a complete renovation. Pasture renovation is a process that requires planning and clear goals for the farm. It is important to ask yourself a series of questions in to determine what forages would help you meet your goals and how you can keep the same problem from occurring again.

Questions to ask consider: *Why did the pasture diminish or become unproductive? What time of the year do I lack grazing? Is pasture quality matching livestock needs?*

After determining the answers to these questions, direction becomes clearer and the process of renovation can begin. This should be a deliberate process, so we encourage you to do a small percentage of the farm at a time. To begin, take soil samples to verify that your pH and nutrients are adequate. Perennial grasses and legumes are especially sensitive to soil fertility and will be very unproductive or not survive if not within the ideal pH range (6.0-6.8) or have insufficient N, P, and K.

Tip: Annuals can handle lesser soil fertility and can be planted until the soil has been amended enough for perennial grass and legume establishment.

Although thinning pastures may not seem very productive, any established forages will be competitive against the seedlings as they emerge. Set yourself up for success by removing this competition by means of a burndown herbicide or tillage.

If herbicides are part of your management plan, there are several strategies for renovation: spray-smother-spray and spray-wait-spray.

Myth: Leave perennials alone for a year

Fact: Perennials **NEED** to be harvested in the first year

Many of the cool season perennial grasses are bunch type grasses. Their nature is not to form that nice, thick sod seed in the pictures above. To encourage tillering and keep the stand as thick as possible, perennials absolutely need to be lightly grazed or mowed for hay when they reach 8-10" tall, regardless of the number of months it has been planted. Don't concern yourself with how much or how little yield you get off of the acreage during this initial harvest. The purpose of this harvest is to investment into the longevity of your new perennial stand.



SPRAY-SMOTHER-SPRAY

After removing pasture growth towards the end of its primary growing season, spray with glyphosate. When moisture in the ground is present, sow an annual into the dead sod. This annual will provide quick, dense coverage to smother any plants that survived the spraying and will serve as excellent feed for livestock. The best annual to plant is one that best matches your management needs. Refer to our Summer and Winter Annual Manual's for more details about the best annual for your needs.

It is important to manage this annual as you would any perennial grass by respecting the grazing or cutting height and allowing regrowth time. When the annual nears the end of its growing season, graze or mow down the growth significantly, as leaving too much material behind can hinder seed to soil contact of the perennial seed.

ADVANTAGES

- Provides a large grazing boost
- Conditions and improves soil to be renovated
- Reduces weed seed bank

SPRAY-WAIT-SPRAY

Remove the seasonal growth by grazing or cutting for hay. Spray with a burndown herbicide 6 weeks prior to target planting date. Wait 4 weeks and apply again. This wait period allows for any missed or surviving plants to grow back so that the herbicide will be effective at the second spraying. Wait the recommended period per the herbicide label before sowing the new perennial seed.

ADVANTAGES

- Can be done with less advance planning
- Greater potential for “escapes”

Planting methods

Depending on the condition of the field, there are a number of options to successfully establish a perennial forage. If the field is rough or has evidence of pugging from a wet year, this is a great time to utilize a prepared seed bed. After tillage, be sure to cultipack or firm up the ground so that your boot doesn't sink more than 0.25". These small seeds need a firm seedbed to establish quickly. If the field doesn't need tilling, reduce input costs, minimize weed invasion, and improve moisture retention by utilizing a no-till drill. Minimize the residue to ensure good seed to soil contact. Regardless of how the seedbed is prepared, make sure to calibrate the drill to reduce seeding rate mishaps.

Product list

COOL SEASON PERENNIAL GRASSES

	Seed Rate	Comments
Mixtures		
Balancer	25 to 35	65% Martin II, 10% Endurance, 10% Olathe, 10% Barduro & 5% RegalGraze
Grass Maxx	25 to 30	60% Martin II Fescue, 20% Olathe Orchardgrass, 20% Inavale Orchardgrass
Southern Beefmaster	30 to 35	45% BarOptima, 30% HLR Orchard, 15% Remington ryegrass, 5% RegalGraze, 5% Freedom
NEW! Rejuvenate 2-4-6-8	15 to 20	Designed for interseeding perennial pasture. At 20lbs/A, seeds 2lbs of Renovation white clover, 4 lbs of Kenland red clover, 6 lbs of Persist orchardgrass, and 8lbs of Cajun II fescue
Bluegrass		
Filly KY	25 to 35	A forage type variety that handles wet feet and shade very well.
Bromegrass		
Persister Prairie Brome	25 to 35	An improved variety with good disease and cold tolerant
Atom Prairie Brome	25 to 35	Excellent late winter/early spring growth and good heat tolerance
Fescue		
		Offers excellent drought and heat tolerance.
BarOptima Plus E34	25 to 30	Improved soft leaf tall fescue with a beneficial endophyte.
Cajun II	25 to 30	An early, high yielding and durable variety with no endophyte.
Martin II Protek	25 to 30	An early-medium maturity, novel endophyte tall fescue.
Tower II Protek	25 to 30	A late maturing novel endophyte, soft leaf variety.
Festulolium		
		High palatability forage.
Fojtan	25 to 35	A long lived heat tolerant Tall Fescue type with good nutrition and high palatability.
Mahulena	25 to 35	It's known as a robust variety that has very little stems in it's regrowth- high quality and palatability
Orchardgrass		
		Southern proven.
Endurance	18 to 25	A UGA bred orchardgrass with supreme production and drought tolerance. Seed coating is 50%.
Olathe	18 to 25	An early orchardgrass with high yield and disease resistance. Seed coating is 50%.
Inavale	18 to 22	The latest heading orchardgrass in the lineup.
Persist NP	22 to 25	Early variety selected in TN under tight grazing. Seed coating is 34%.
Turf/Erosion Control		
SE-Ag Turf Mixture	300 to 400	An attractive mix of turf fescues for lawns and erosion. Seeding reflects lawn results.
Heritage Mixture	VARIES	Quick and lasting erosion control. 40% cereal rye, 25% LowBoy ryegrass, 35% turf type fescue.
Contractors Mix 70/30	VARIES	A mix of 70% KY-31 and 30% annual ryegrass
Contractors Mix 80/20	VARIES	A mix of 80% KY-31 and 20% annual ryegrass

WARM SEASON PERENNIAL GRASSES

Gaucha Bermudagrass		A cold tolerant blend touted for it's early green up and weed supression ability. Well drained soils.
	8 to 12	Limited quantities of 50# bags available.
Chilly Verde Bermudagrass	8 to 12	Coated variety developed in NC for cold tolerance.
Pensacola Bahiagrass	12 to 15	An early maturing variety that comes in more quickly than TifQuick but doesn't last into the fall as well.
TifQuick Bahiagrass	12 to 15	A newer variety that has slightly higher yields. Notable spring quickness.

Avoid runoff with FAST, EASY, & EFFECTIVE TURF and EROSION CONTROL

Southeast Ag Turf Blend

A blend of three different turf type fescues, chosen for drought tolerance, rich green color, and stand density. This fescue blend is a clear option for lawns, roadsides, and erosion prevention projects.

Heritage Mixture

A classic erosion control mix made with unique varieties to provide fast top growth and deep root development from LowBoy annual ryegrass and cereal rye while our Southeast Ag Turf Blend fills in with its rich, green color. Summer Heritage Mixture available with browntop millet and common bermuda.

80/20 & 70/30 Fescue/Ryegrass mixes also available



Product list

WARM SEASON PERENNIAL LEGUMES

	Seed Rate	Comments
AU Grazer Serecia Lespedeza+	20 to 25	Higher yielding variety, bred for yield and grazing tolerance
Common Serecia	20 to 25	Natural dewormer for small ruminants, needs to be rotationally grazed.

COOL SEASON PERENNIAL LEGUMES

Alfalfa		Selected for southern persistence and performance.
KingFisher 525	18 to 22	A strong alfalfa with fall dormancy of 5. High yield and quality.
KingFisher Stronghold 35-2	18 to 22	High yielding alfalfa with a deep set crown that takes traffic well.
L446 RR	18 to 22	A high yielding/highly digestible Roundup Ready Alfalfa. Fall Dormancy 4.3
KingFisher 425 HD	18 to 22	A naturally low lignin variety.
Clovers		Add to perennial grasses to boost protein and add nitrogen.
Barblanca Ladino	2 to 3	An aggressive large leaf white clover with excellent persistence in south.
Barduro Red Clover	8 to 10	A heat/drought tolerant southern clover. Developed in Texas.
Kenland Red clover	8 to 10	An early to flower variety that is fine stemmed.
Freedom! MR Red	2 to 3	A long lived, mildew-resistant variety with high yield and digestibility.
Neches White	2 to 3	An aggressive white clover bred for the deep south.
Pasture Booster	6 to 8	80% Barduro red, 10% white. Designed for mitigating fescue toxicosis.
Premium Clover Mix	4 to 6	50% Freedom red, 25% Renovation, 25% Barblanca
RegalGraze Ladino	2 to 3	A less aggressive large leaf white clover that tolerates heat, drought and cold very well.
Renovation White	2 to 3	A southern-bred white clover. Bred for persistence.
Clover Pollinator Mix	5 to 12	A mix of 6 annual, perennial, and biennial clovers for attracting pollinators long term.
COOL SEASON PERENNIAL FORBS		For pairing with perennial grasses.
Forb Feast Chicory	1 to 2	Deep tap root, superb for small ruminants. Frost seeds well.
Choice Chicory	1 to 2	A widely adaptable, flexible variety. Proven to be aggressive and high yielding.
Six Points Chicory	1 to 2	Bred for disease resistance and early green up.
Tonic Plantain	1 to 2	Quick to establish, persistent. High in minerals and digestible fiber.

Hungry for more?

Visit us online to see our complete lineup with summer annual, winter annual, wildlife, and turf products.

Find resources for perennial success

- Interactive drill calibration worksheet
- Nutritive value samples
- Relevant blog posts
- Decision guides

www.SoutheastAgriSeeds.com

Don't see exactly what you need?

*We do
custom mixes!*



Our technical team will work directly with you to understand what you need and develop a mixture to accomplish that. You'll walk away with a mix named after your farm that is well balanced and unique. Check out our facility and learn about the process on our YouTube channel. Search for 'Southeast AgriSeeds Mixing Facility'. Check out some of our favorites:



FoxPipe Farm, Reed Edwards in Laurens SC

- 19% Endurance orchardgrass coated
- 10% Foxtan festulolium
- 10% Balin bluegrass
- 10% Persister bromegrass
- 9% AU Merit hairy vetch
- 9% Crimson clover coated
- 9% Zenyatta timothy
- 9% FixatioN balansa clover
- 5% Tonic plantain
- 5% Neches white clover
- 5% Forb Feast chicory

Yellowbird Farms, Jim Malooley in McMinnville TN

- 40% BarOptima Tall Fescue Plus E34
- 10% Olathe orchardgrass untreated
- 28% Persister bromegrass
- 6% RegalGraze white clover
- 10% Barduro red clover
- 6% Forb Fest chicory





LET'S CHAT

Office: (706) 528-4806 or
seoffice@southeastagriseeds.com
www.SoutheastAgriSeeds.com

Technical questions?

Paige Smart: (910) 309-0931 or
paigesmart@southeastagriseeds.com

Joshua Baker: (717) 682-6134 or
joshbaker@southeastagriseeds.com