Early Order Resource Guide

2023-2024

Byron Seeds™

KingFisher®

RED TAIL

Seed for Livestock Performance

Welcome to Byron Seeds

At Byron Seeds, feeding livestock is our business. The selections we make in all seed for livestock feed are based on animal performance, as well as top shelf agronomics. We work worldwide with multiple companies in selecting and researching what seed will contribute to better livestock performance.

For example, our KingFisher and Red Tail corn hybrids were chosen from a wide genetic base for the best agronomics and digestibility. Due to this broad selection and attention to genetics that produce corn with outstanding potential to boost livestock performance, we now have a corn lineup like no other. We have consistent high-quality silage corn, whether it's an early-, medium-, or late-maturing variety.

Ever since 1995, Byron Seeds has been rooted in bringing the best alfalfa in the world to your farm. And alfalfa continues to dominate our focus. Our unique focus on alfalfa results in a depth of alfalfa lineup and management knowledge second to none. Our popular KingFisher SynergyX alfalfa blends combine premium alfalfas with various root systems to increase yield, reduce risk, and extend stand life across your field.

Byron Seeds is also a leader in forage grasses:

- Selecting the best improved grasses
- Developing grass-based systems
- Teaching grass management
- Promoting soil health with grass

Grass is highly digestible forage with excellent yield potential when fertilized and managed properly. In this guide, we offer you the best grasses in the world that we could find for hay and pasture.

In today's farming economy, being efficient in increasing yields or quality can be essential for survival. In our program, we are probing deeply into all avenues of farming practices, like cover crops and cropping rotations. Our goal is to help farmers succeed and to be sustainable for the next generation.
As an organic farmer for over 25 years, I get more and more excited at what we are discovering as we seek innovative solutions for our farmer customers. Stay tuned!

Cordially,

Samuel S. Fisher

Samuel Fisher
Founder and CEO

How to Use the Resource Guide

Growing Zones

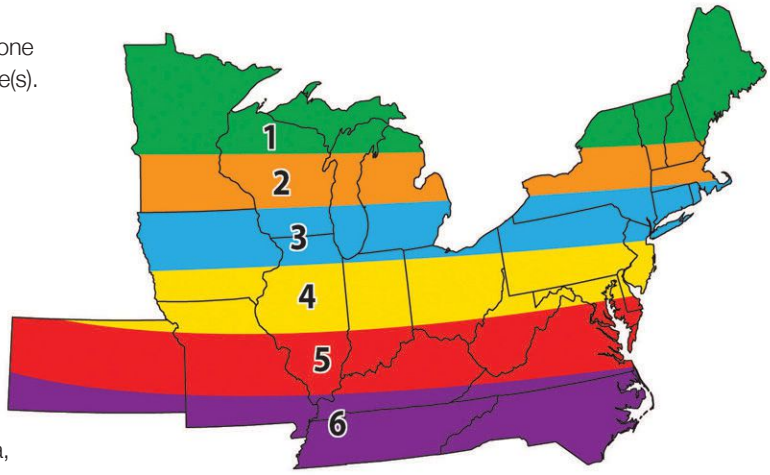
Below the name of each variety listed in this resource guide is a zone recommendation. The variety does best in the recommended zone(s). The map on this page shows the location of each zone.

There may be a management recommendation as well. The listed variety will do well in the management zone(s) if good farming management practices are implemented.

Zones: These zones are the recommended location(s) for the variety listed.

Management: An acceptable variety in this zone with good farm management, soils, and fertility.

Maturity Zones pictured: Minnesota, Wisconsin, Michigan, Iowa, Kansas, Missouri, Illinois, Indiana, Ohio, Kentucky, North Dakota, South Dakota and Tennessee.



Replant Policy

Byron Seeds will replace the seed of our Premium Products that failed to germinate and emerge, as determined by a Byron representative. Premium Products that qualify for the Replant Policy are as follows: KingFisher products, Premium perennial grasses and Alta products. Byron Seeds also offers a 50% replant on any competitor's premium products.

EXCEPTIONS

Corn that is planted prior to or after the state's insurable dates is not covered under this Replant Policy. Seed that is frost seeded or interseeded into existing stands is excluded as are non-KingFisher annuals, cover crops and turf grass.

GOOD FARMING PRACTICES

Byron Seeds will not replace seed if planting was not done under good farming practices. Good farming practices include, but are not limited to, proper seed bed preparation, good weed control at planting, proper seed depth and recommended seed-to-soil contact. To qualify for a replant, a site inspection and approval by a qualified Byron representative may be required.

TERMS

Replant requests must be received within 6 months of the planting date. Freight charges apply. Other terms and conditions may apply.

Organic Seed

Byron Seeds is a supporter of the organic farming movement. We believe that there is a need for good, healthy forage for our livestock, and good, healthy food for our families. It seems that others agree with us because there is an ever-increasing demand for a source of unmodified food and forage.

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Early-Order Opportunities with Byron Seeds, LLC

- Early ordering is a great way to ensure you'll receive the seed you want.
- Early ordering also allows you a chance to receive big discounts on your seed. Your savings will match up your payment date with the discount levels at right. All seeds listed in this catalog are eligible for discounts providing they are for the next seeding year.
- Your payment must be received at Byron Seeds before the end of the month of your chosen discount levels.
- If financing or credit cards are used to pay for your order, the discounts shown at right are reduced by 2% in any month.

Discount Levels

- September..... 8%
- October 7%
- November..... 6%
- December..... 5%
- January..... 4%

These discounts will be deducted from your paid order!

John Deere Financial is a line of credit that can be used as a management tool for purchasing seed from Byron Seeds. Approval is limited to current invoices (not over 30 days). We offer two plans tailored to meet your needs.

REGULAR PLAN

A. Interest begins after 30 days on any unpaid balance.
B. Interest rate is 11.9% + Prime (currently 8.25%) = 20.15%.
C. Minimum monthly payment is 10% of unpaid balance.

EXTENDED PLAN

A. Interest begins at time of purchase.
B. Interest rate is 1% + Prime.
C. Payment is due in full in December of current year.
D. Customers must be approved to use this plan.

Byron Seeds Financing with First Mid Ag

LOW INTEREST 10 MONTH PLAN

A. An initial 5% processing fee will be levied on the total amount.
B. The amount due is divided into 10 monthly payments.
C. No additional interest is charged if paid in full in 10 months.
D. If an unpaid balance remains after 10 months, daily interest charge will be Wall Street Journal Prime + 0.50%.
E. Minimum order required ($1,000.00).

NO PAYMENTS UNTIL DECEMBER 15 PLAN

A. No payments required until December 15 of the current year.
B. If paid by December 30, no interest is charged. If paid after December 30, the interest rate will be Wall Street Journal Prime + 0.50% interest.
C. A 5% processing fee will be levied on the total amount financed.
D. This plan may be used for prepay or otherwise, but only for seed purchases.
E. Minimum order required ($1,000).

We know forage.

Byron Seeds is focused on livestock performance. We can guide you in forage solutions for your farm.

Rooted in forage

- A family-owned company that was founded on forage
- An award-winning forage portfolio that brings added value
- Over 25 years of forage research and management expertise
- Good inventory, custom mixing options, and quick service

Diverse high performance forage programs

- Forage genetics sourced worldwide to fit the needs of every forage program
- An unmatched forage portfolio to fit any rotation and manure management system
- A focus on forage systems that build soil health and increase profitability

Farmers helping farmers

- Service-focused family business guided by servant leaders with on-farm experience
- Certified forage specialists trained to guide farmers in productive forage programs
- Local experience and expertise in forages, cover crops, and soil health management

Are you looking for a corn brand that cares about your investment and success?

The KingFisher/Red Tail companies share practical corn management, innovative forage systems, and soil health solutions with every bag of seed corn. We want your investment in our seed to be a success for your farm, for years to come.

A Strong Team

- The combined power of three companies: King's AgriSeeds, Southeast AgriSeeds, and Byron Seeds
- A network of over 400 dealers—most of which are farmers themselves—along with agronomists, soil health experts, and other specialists
- A vision to select from a diverse genetic pool and develop consistent corn hybrids with strong agronomics and top yield potential

A Servant Outlook

- A team trained to serve and guided by servant leaders who care about farmers
- Local experience to guide farmers in corn management and healthy forage systems
- A strong commitment to seed quality, with up to 100% replant

A Livestock Focus

- SofStarch = Increased starch digestibility for less grain fed and/or greater efficiency in the ration
- FiberGest = Industry-leading fiber digestibility throughout our entire corn line, paired with top-notch agronomics that yield
- Consistency in performance across our entire silage corn lineup, focused on livestock needs

KF 34C30

CONVENTIONAL / ORGANIC

84 Day RM

Impressive performance across high and low yield environments for silage and dry grain. Above average disease ratings. Great stay green for very good dry down in late season. Great test weight with great starch digestibility.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Dual-purpose silage and grain
- Not for use on continuous corn acres
- High yields across varied soils
- Very good roots
- Very good response to fungicide application

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color..... Light Red
Stalk Strength..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good
Dry Down ..... Very Good
Test Weight..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance..... Very Good
Goss's Wilt Tolerance..... Very Good

KF 35C10

CONVENTIONAL

85 Day RM

Big plant, high yielding, very good stay green, dual-purpose hybrid, excellent corn-on-corn option.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 30-34K
- Dual-purpose silage and grain
- Great for continuous corn rotation
- Excellent in medium soils
- Very good stay green for wide harvest window
- Workhorse suited for most rotations

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good
Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Good

KF 37C60

CONVENTIONAL / ORGANIC

87 Day RM

Attractive hybrid with strong yield and agronomics. A medium plant with medium ear placement.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Good*

- Recommended Population 30-34K
- Excellent late season intactness and stay green
- Flex cob with 14-16 kernel rows
- Very good test weight
- Very good leaf and stalk disease ratings

Seedling Vigor..... Very Good
Plant Height..... Medium
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Excellent
Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Excellent

KF 38C80

CONVENTIONAL

88 Day RM

A dual-purpose hybrid with semi-flex ears and excellent seedling vigor. Consistent yield and widely adapted across northern regions and soil types. Excellent stalk and very good root strength.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 28-34K
- Red cob with 16 kernel rows
- Medium-tall plant with medium ear placement
- Excellent on all soil types
- Excellent stay green for wide harvest window
- Widely adapted across northern regions

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent
Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Excellent

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

KF 40C30

ORGANIC

90 Day RM

Excellent hybrid for grain with fast dry down for timely grain harvest, excellent emergence and very good to excellent disease ratings.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 28-32K
- Excellent yield potential for grain
- Medium plant with a girthy ear
- Very good leaf and stalk disease ratings
- Quick dry down
- Adapted to wide range of growing conditions within maturity zone

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Excellent

KF 42C20

CONVENTIONAL / ORGANIC

92 Day RM

High yield with flex ears and impressive grain quality, outstanding silage hybrid for quantity and quality.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Very Good*	*Excellent*

- Recommended Population 26-30K
- Dual-purpose silage and grain
- High yielding grain potential
- Good agronomics
- Best performance when kept in maturity zone

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium-High
Ear Flex ..... Excellent
Cob Color ..... Pink
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Good

KF 43C40

CONVENTIONAL

93 Day RM

Very high yielding grain potential, showy canopy closes quickly, dual purpose grain or silage plant, flex ears, great corn-on-corn option.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 28-32K
- Dual-purpose silage and grain
- Quick canopy closer
- Great heat and drought tolerance
- First rate agronomic and disease package

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Excellent
Cob Color ..... Pink
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Very Good

KF 44C20

ORGANIC

94 Day RM

Attractive hybrid with strong agronomics. Girthy, flex-style ears bring top yield potential.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Medium-tall plant with medium ear placement
- Flex cob with 16-18 kernel rows
- Very good test weight
- Very good leaf and stalk disease ratings

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

KF 45C30

CONVENTIONAL — 95 Day RM

A medium-tall hybrid with semi-erect leaves that produces long flexed ears with 16-18 kernels around. Very good stay green and excellent tolerance to Goss's Wilt and Gray Leaf Spot. Great for continuous corn acres.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 27-34K
- Good late-season plant intactness for dry grain option
- Adapted to wide range of soils and management practices
- In top management and good soils, populations should be increased for top yield
- Top performance across a wide range of environments

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 48C90

ORGANIC — 98 Day RM

Excellent yield potential for maturity with fast dry down for timely grain harvest, excellent emergence and very good disease ratings.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 28-32K
- Quick dry down
- Medium plant with a girthy ear
- Super yield potential
- Responds well to good management

Seedling Vigor	Excellent	**Dry Down**	Excellent
Plant Height	Medium	**Test Weight**	Excellent
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Excellent		
Stay Green	Very Good		

KF 49C60

CONVENTIONAL — 99 Day RM

Medium placed flex ears, showy healthy plant, strong adaptation west to east.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 26-30K
- Dual purpose silage and grain
- Keep off wet/heavier soils
- Excellent eye appeal
- Quick emergence gives early flowering/pollination for consistent grain fill and yield

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Light Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Good		

KF 51C50

CONVENTIONAL — 101 Day RM

Medium-tall robust plant with great silage appeal and a wide range of adaptability in multiple regions. The pedigree behind this hybrid brings time-tested consistency with new era yield for silage and grain.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 30-34K
- Keep populations on higher end for top yield in better soils
- Very good dual purpose for silage and grain
- Strong performance between Interstate 90 and Interstate 70
- Can move south as an early hybrid
- Use caution applying Capreno, Sharpen, Status, or Corvus herbicides while hybrid is under environmental stress as grain yields may be reduced

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Light Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Excellent		
Stay Green	Excellent		

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

KF 51C80

CONVENTIONAL

101 Day RM

Tall, robust, versatile hybrid with excellent stalk strength and very good root ratings. Stay green is excellent.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Tall plant with medium ear placement
- Flex pink cob with 18-20 kernel rows
- Excellent tar spot tolerance
- Very good leaf and stalk disease ratings

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

KF 52C20

CONVENTIONAL

102 Day RM

High yielding potential, very good stay green, very heat and stress tolerant, dual-purpose grain or silage hybrid, big plant, white cob with medium placed flex ears.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 26-30K
- Dual purpose silage and grain
- Strong agronomics and stay green
- Excellent heat and stress tolerance
- Excellent milk per ton/acre

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	White	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Excellent		
Stay Green	Very Good		

KF 54C50

ORGANIC

104 Day RM

A medium-tall plant with medium ear placement, impressive fall intactness and appearance, performs best in good management.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 28-32K
- Excellent dual-purpose hybrid
- Pink cob; 16-18 kernel rows
- Excellent agronomics
- Responds well to good nitrogen management

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 54C90

CONVENTIONAL / ORGANIC

104 Day RM

Medium-tall healthy plant with excellent flex. Widely adapted across all environments.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Excellent stalk strength and stay green
- Versatile hybrid that lends itself more to fed-grain
- Excellent test weight
- Excellent leaf and stalk disease ratings
- Very good tar spot tolerance

Seedling Vigor	Very Good	**Dry Down**	Excellent
Plant Height	Medium-Tall	**Test Weight**	Excellent
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Excellent
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

KF 56C30

ORGANIC

106 Day RM

Excellent emergence, very good seedling vigor, very good disease package, stress and drought tolerant, semiflex ears.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 30-34K
- Good dual-purpose hybrid but leans more toward grain
- Solid agronomics
- Excellent emergence and very good seedling vigor
- Selected for wide range of management practices
- Great drought tolerance

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Excellent
Root Strength..... Excellent
Stay Green..... Very Good
Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

KF 57C80

CONVENTIONAL

107 Day RM

A robust plant with excellent silage and grain ratings, dark green canopy-type leaves on a robust stalk, consistent yields in silage and grain.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 30-36K
- Slower grain dry down due to plant health within maturity range
- Wide regional adaption
- Excellent roots and late season standability
- Excellent eye appeal
- Excellent response to fungicide application

Seedling Vigor..... Excellent
Plant Height..... Tall
Ear Height..... Medium
Ear Flex ..... Excellent
Cob Color..... Red
Stalk Strength..... Very Good
Root Strength..... Excellent
Stay Green..... Excellent
Dry Down ..... Very Good
Test Weight..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance..... Very Good
Goss's Wilt Tolerance..... Good

KF 59C30

CONVENTIONAL

109 Day RM

High-yielding versatile hybrid that's widely adapted across all environments. Medium-tall robust plant.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-30K
- Excellent stalk that is tolerant to anthracnose
- Deep, wide kernels on red cob
- Very good stalk and disease ratings
- Very good tar spot tolerance

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent
Dry Down ..... Very Good
Test Weight ..... Excellent
Gray Leaf Spot Tolerance..... Excellent
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Very Good

KF 60C30

ORGANIC

110 Day RM

A medium-tall plant with medium ear placement, impressive fall intactness and good fall appearance.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 30-32K
- Excellent grain producer
- Red cob; 18-20 kernel rows
- Adapted to a wide range of soils and management
- Very good leaf and stalk disease ratings

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Excellent
Stay Green..... Excellent
Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

KF 60C50

CONVENTIONAL — 110 Day RM

Excellent silage hybrid with great eye appeal, dark green canopy-type leaves with a robust stalk.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Excellent*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Silage use only, place on better managed soils
- Avoid continuous corn acres on stressed soils
- Excellent early and no-till planting
- Very good response to fungicide application
- Slow dry down with very good stay green for a wide harvest window

Seedling Vigor	Very Good	**Dry Down**	N/A
Plant Height	Medium-Tall	**Test Weight**	N/A
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 61C90

CONVENTIONAL — 111 Day RM

Medium-tall plant with good flex and widely adapted across all environments. Versatile hybrid with very good feed quality.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Very good stalk and root with excellent stay green
- Good kernel depth with a red cob
- Very good leaf and stalk disease ratings
- Very good tar spot tolerance

Seedling Vigor	Very Good	**Dry Down**	Excellent
Plant Height	Medium-Tall	**Test Weight**	Excellent
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Excellent		

KF 62C80

CONVENTIONAL — 112 Day RM

Robust, medium-tall, dual-purpose hybrid with semi-erect leaves and light red cob with 18-20 rows of deep kernels. Produces unmatched, consistent yields east to west across varied soils and management practices. Excellent combination of plant health and agronomics contributes to multiregional adaptability.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 27-34K
- Semiflex ear and stalk with high population tolerance in good soils and management
- Maintain higher fertility in lighter soils
- Very good plant health
- Maintain good fertility management for top yields
- Match populations with soil types

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Light Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 63C10

CONVENTIONAL — 113 Day RM

High silage producer in terms of both quantity and quality, good ear length and excellent flex, deep kernels, highly rated disease package, drought and heat tolerant.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Excellent*	*Excellent*

- Recommended Population 26-30K
- Proven silage hybrid with very good quality
- Versatile hybrid that covers all soil types
- Wide harvest window
- Excellent disease package
- Excellent milk per ton/acre

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 64C40

CONVENTIONAL / ORGANIC | 114 Day RM

Medium-tall plant, medium-high ear placement, wide dense leaves with good canopy, excellent agronomics over multiple years of testing.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 28-32K
- Good for silage or grain (semi-flex ears)
- Red cob; 16-18 kernel rows
- Very good stalk and root
- Very good leaf and stalk disease ratings

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot**	
Ear Flex	Very Good	**Tolerance**	Very Good
Cob Color	Red	**Northern Leaf**	
Stalk Strength	Very Good	**Blight Tolerance**	Very Good
Root Strength	Very Good	**Goss's Wilt**	
Stay Green	Excellent	**Tolerance**	Very Good

KF 65C00

CONVENTIONAL | 115 Day RM

Consistent, medium-tall, robust, mid- to full-season corn with very good silage appeal, at home between I-80 and I-70 and in the I-24 corridors in the Midwest and throughout the eastern states.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 30-36K
- Keep populations on higher side for best yields
- Does very well in productive to average soil conditions
- Excellent emergence in cold/no-till soils
- Very good stay green for longer harvest window
- Moves north very well as a full season hybrid; not recommended for deep South

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot**	
Ear Flex	Very Good	**Tolerance**	Very Good
Cob Color	Pink	**Northern Leaf**	
Stalk Strength	Very Good	**Blight Tolerance**	Very Good
Root Strength	Very Good	**Goss's Wilt**	
Stay Green	Very Good	**Tolerance**	Very Good

KF 65C90

CONVENTIONAL | 115 Day RM

A true-flex hybrid with large girthy ears, excellent track record for performance through the years.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Very Good*	*Excellent*

- Recommended Population 26-30K
- Super yields as silage or grain
- Very good hand husker
- Very good drought tolerance
- Very good stalk and leaf disease ratings

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot**	
Ear Flex	Excellent	**Tolerance**	Very Good
Cob Color	Light Red	**Northern Leaf**	
Stalk Strength	Very Good	**Blight Tolerance**	Very Good
Root Strength	Excellent	**Goss's Wilt**	
Stay Green	Very Good	**Tolerance**	Very Good

KF 67C20

CONVENTIONAL | 117 Day RM

Consistent high yields, excellent agronomics, very good disease ratings, broadly adapted regions.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 28-34K
- Very good dual-purpose hybrid
- Broadly adapted with outstanding agronomics
- Consistent high yields across the Midwest and South
- Very good disease ratings

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot**	
Ear Flex	Excellent	**Tolerance**	Very Good
Cob Color	Light Red	**Northern Leaf**	
Stalk Strength	Very Good	**Blight Tolerance**	Very Good
Root Strength	Very Good	**Goss's Wilt**	
Stay Green	Very Good	**Tolerance**	Very Good

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

KF 57H50

ENERGY EDGE

107 Day RM

An improved ultra high-oil hybrid that can be used as a sidekick or stand alone with improved yield and standability. A medium-tall hybrid with broad, thick leaves that produces long flexed ears with 16-18 kernels around. Exhibits very good stay green and has very good disease tolerance.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Excellent*	*Very Good*	*Very Good*

- Recommended Population 27-34K
- Dual-purpose hybrid for silage or grain
- In top management and good soils, increase populations for top yield
- Adapted to wide range of soils and management practices
- Recommended KF hybrids for sidekick planting: KF 54C10, KF 58C80, KF 62C80, KF 63C10

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 58H60

ENERGY EDGE

108 Day RM

Ultra high-oil, tall, robust plant with semi-erect leaves and medium-high ear placement, great eye appeal and a wide range of adaptability across regions. As a sidekick, tends to be more of a grain-type hybrid.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Excellent*	*Very Good*	*Very Good*

- Recommended Population 28-32K
- Dual-purpose hybrid for silage or grain
- Keep pops. on higher end for top yield in better soils
- Good late-season plant intactness for dry grain option
- Consider a fungicide application for late-season health
- Recommended KF hybrids for sidekick planting: KF 54C10, KF 55C20, KF 62C80, KF 63C10

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

KF 60S60

MALE STERILE

110 Day RM

Male sterile hybrid ideal for farms in niche markets that do not want grain in the diet. Appropriate for silage or grazing. The corn crop will be very high in sugar as grain is not formed. The plant will also take on a red color as sugar increases over time.
Note: Isolation from standard corn is recommended.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Very Good*	*Excellent*	*Very Good*

- Recommended Population 30-40K
- Appropriate for silage or grazing
- Versatile hybrid that covers all soil types
- Wide harvest window
- Very good disease package

Seedling Vigor	Very Good	**Dry Down**	N/A
Plant Height	Tall	**Test Weight**	N/A
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

Contact your local KingFisher corn specialist to discover unique silage systems featuring our Energy Edge and BMR corn hybrids.

KF 59B70

BMR- SILAGE ONLY

109-115 Day RM

Brown mid-rib for improved digestibility and increased milk production, this non-GMO hybrid is daylight sensitive (moving it into northern regions of the corn belt will cause it to exhibit shorter maturity).

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Very Good*

- Recommended Population 26-29K
- High grain-to-stover ratio
- Excellent SofStarch for a BMR corn
- Widely adapted to many soil types
- Excellent standability with proper plant populations

Seedling Vigor	Very Good	**Dry Down**	N/A
Plant Height	Tall	**Test Weight**	N/A
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Excellent		

KF 66B80

BMR- SILAGE ONLY

115-117 Day RM

Brown mid-rib for improved digestibility and increased milk production, this extra-leafy hybrid is medium-tall with high ear placement. This hybrid features extreme stalk expansion at low populations.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 26-29K
- High grain-to-stover ratio
- Widely adapted to many soil types
- Extra-leafy hybrid
- Excellent standability with proper plant populations

Seedling Vigor	Very Good	**Dry Down**	N/A
Plant Height	Medium-Tall	**Test Weight**	N/A
Ear Height	High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Excellent		

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

KingFisher Corn

Hybrid	Relative Maturity	GDUs 50% Silking	GDUs to Black Layer	Conventional (CV), Organic (O), Energy Edge (EE), BMR	Red Tail Hybrid (if any)	Irrigated/ Productive Soil	Average/ Variable Soil	Less Productive/ Stress Prone Soil	Heavy Soils with Poor Drainage	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Cob Color	Stalk Strength	Root Strength
KF 34C30	84	1145	2145	CV, OR		Excellent	Excellent	Excellent	Excellent	V. Good	Med.-Tall	Medium	V. Good	Light Red	V. Good	V. Good
KF 35C10	85	1180	2150	CV	35T11, 35T14	V. Good	Excellent	V. Good	V. Good	V. Good	Med.-Tall	Med.-High	V. Good	Pink	V. Good	V. Good
KF 37C60	87	1150	2230	CV, OR		Excellent	Excellent	V. Good	V. Good	V. Good	Medium	Medium	V. Good	Red	V. Good	V. Good
KF 38C80	88	1220	2260	CV	38T86, 38T89	Excellent	Excellent	Excellent	Excellent	Excellent	Med.-Tall	Medium	V. Good	Red	Excellent	V. Good
KF 40C30	90	1210	2250	OR		Excellent	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	V. Good	V. Good
KF 42C20	92	1200	2280	CV, OR		Excellent	Excellent	V. Good	V. Good	Excellent	Med.-Tall	Med.-High	Excellent	Pink	V. Good	V. Good
KF 43C40	93	1210	2300	CV	43T44, 43T48	Excellent	V. Good	V. Good	Excellent	V. Good	Med.-Tall	Medium	Excellent	Pink	V. Good	V. Good
KF 44C20	94	1235	2320	OR		Excellent	Excellent	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	V. Good	V. Good
KF 45C30	95	1235	2370	CV		Excellent	Excellent	Excellent	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	V. Good	V. Good
KF 48C90	98	1250	2300	OR		Excellent	V. Good	V. Good	V. Good	Excellent	Medium	Medium	V. Good	Red	V. Good	Excellent
KF 49C60	99	1250	2307	CV	49T61	V. Good	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Light Red	V. Good	V. Good
KF 51C50	101	1220	2300	CV	51T51, 51T57	Excellent	Excellent	V. Good	Excellent	Excellent	Med.-Tall	Med.-High	V. Good	Light Red	V. Good	Excellent
KF 51C80	101	1200	2290	CV	51T86	Excellent	Excellent	Excellent	V. Good	V. Good	Tall	Medium	V. Good	Pink	Excellent	V. Good
KF 52C20	102	1298	2418	CV		Excellent	Excellent	V. Good	V. Good	V. Good	Tall	Medium	Excellent	White	V. Good	Excellent
KF 54C50	104	1270	2600	OR		Excellent	V. Good	V. Good	V. Good	Excellent	Med.-Tall	Medium	V. Good	Pink	V. Good	V. Good
KF 54C90	104	1250	2550	CV, OR	54T96	Excellent	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	Excellent	V. Good
KF 56C30	106	1300	2420	OR		V. Good	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Med.-High	V. Good	Pink	Excellent	Excellent
KF 57H50	107	1300	2450	EE		Excellent	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Pink	V. Good	V. Good
KF 57C80	107	1310	2460	CV	57T81, 57T85	Excellent	Excellent	Excellent	V. Good	Excellent	Tall	Medium	Excellent	Red	V. Good	Excellent
KF 58H60	108	1300	2500	EE		V. Good	V. Good	V. Good	V. Good	V. Good	Tall	Med.-High	Excellent	Pink	V. Good	V. Good
KF 59B70	109	N/A	N/A	BMR		Excellent	V. Good	V. Good	V. Good	V. Good	Tall	Medium	Excellent	Red	V. Good	V. Good
KF 59C30	109	1310	2690	CV	59T36	Excellent	Excellent	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	Excellent	V. Good
KF 60C30	110	1340	2765	OR		Excellent	Excellent	V. Good	V. Good	Excellent	Med.-Tall	Medium	V. Good	Red	Excellent	Excellent
KF 60C50	110	1300	2690	CV		Excellent	Excellent	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	V. Good	V. Good
KF 60S60	110	N/A	N/A	CV		Excellent	Excellent	V. Good	V. Good	V. Good	Tall	Medium	V. Good	Pink	V. Good	V. Good
KF 61C90	111	1380	2400	CV	61T96, 61T99	Excellent	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Medium	V. Good	Red	V. Good	V. Good
KF 62C80	112	1424	2470	CV	62T83	V. Good	V. Good	V. Good	V. Good	V. Good	Med.-Tall	Med.-High	V. Good	Light Red	V. Good	V. Good
KF 63C10	113	1320	2790	CV	63T11, 63T13	Excellent	Excellent	V. Good	V. Good	V. Good	Med.-Tall	Med.-High	Excellent	Pink	V. Good	V. Good
KF 64C40	114	1360	2855	CV, OR		Excellent	Excellent	Excellent	V. Good	Excellent	Med.-Tall	Med.-High	V. Good	Red	V. Good	V. Good
KF 65C00	115	1435	2630	CV	65T01, 65T06	Excellent	Excellent	V. Good	V. Good	Excellent	Med.-Tall	Med.-High	V. Good	Pink	V. Good	V. Good
KF 65C90	115	1355	2790	CV		V. Good	V. Good	V. Good	V. Good	V. Good	Tall	Medium	Excellent	Light Red	V. Good	Excellent
KF 66B80	115	N/A	N/A	BMR		Excellent	V. Good	V. Good	V. Good	V. Good	Med.-Tall	High	V. Good	Red	V. Good	V. Good
KF 67C20	117	1480	2700	CV	67T21, 67T23	Excellent	Excellent	Excellent	V. Good	V. Good	Tall	Med.-High	Excellent	Light Red	V. Good	V. Good

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

Stay Green	Dry Down	Test Weight	High Population Tolerance	Continuous Corn	Drought Tolerance	Gray Leaf Spot Tolerance	Northern Leaf Blight Tolerance	Goss's Wilt Tolerance	Common Rust Tolerance	Tar Spot	FiberGest (30-hr. NDFD)	SofStarch (IVSD7)	Milk per Ton	Digestible Fiber Per Acre	Hand Husking	Fungicide Response
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	V. Good	V. Good	Excellent	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	Excellent
Excellent	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	N/A	Excellent
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	Good	V. Good	Fair	Excellent	Excellent	V. Good	Excellent	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
Excellent	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	Excellent	V. Good	Good	Excellent	Excellent	Excellent	Excellent	V. Good	V. Good
V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	Excellent	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	Excellent	V. Good	V. Good	N/A	Excellent
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	N/A	V. Good	Excellent	V. Good	V. Good	N/A	V. Good
Excellent	N/A	N/A	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	Excellent	Excellent	V. Good	N/A	Excellent
Excellent	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	N/A	N/A	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	N/A	Excellent
V. Good	N/A	N/A	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	N/A	N/A
Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	N/A	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good
Excellent	V. Good	V. Good	V.Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	Excellent	Good	V. Good	V. Good	V. Good	V. Good	V Good	Excellent
V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	Excellent	V. Good	Excellent	Excellent	Excellent
Excellent	N/A	N/A	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	Excellent	Excellent	Excellent	Excellent	N/A	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good

Red Tail Corn

Hybrid	Relative Maturity	Trait	GDUs 50% Silking	GDUs to Black Layer	Organic (OR) Conventional (CV) High Oil (HO) Red Tail (RT)	Irrigated/ Productive Soil	Average/ Variable Soil	Less Productive/ Stress Prone Soil	Heavy Soils with Poor Drainage	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Cob Color	Stalk Strength	Root Strength
RT 35T11	85	GT	1180	2150	RT	V. Good	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 35T14	85	Agrisure Viptera® 3110	1180	2150	RT	V. Good	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 37T11	87	GT	1180	2190	RT	Excellent	Excellent	V. Good	Excellent	Excellent	Medium-Tall	Medium	V. Good	Red	Excellent	Excellent
RT 38T86	88	Agrisure® Above	1220	2260	RT	Excellent	Excellent	Excellent	Excellent	Excellent	Medium-Tall	Medium	V. Good	Red	Excellent	V. Good
RT 38T89	88	Duracade®	1220	2260	RT	Excellent	Excellent	Excellent	Excellent	Excellent	Medium-Tall	Medium	V. Good	Red	Excellent	V. Good
RT 41T14	91	Agrisure Viptera® 3110	1210	2350	RT	Excellent	Excellent	Excellent	Excellent	Excellent	Medium-Tall	Medium-High	V. Good	Red	Excellent	V. Good
RT 43T44	93	Agrisure Viptera® 3110	1210	2320	RT	Excellent	V. Good	Good	Excellent	Excellent	Medium-Tall	Medium	Excellent	Pink	V. Good	V. Good
RT 43T48	93	Viptera®	1210	2320	RT	Excellent	V. Good	Good	Excellent	V. Good	Medium-Tall	Medium	Excellent	Pink	V. Good	V. Good
RT 45T04	95	Agrisure Viptera® 3110	1250	2310	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Tall	Medium-High	Good	Red	V. Good	V. Good
RT 45T09	95	Duracade Viptera™	1250	2310	RT	Excellent	Excellent	V. Good	V. Good	Excellent	Tall	Medium-High	Good	Red	V. Good	V. Good
RT 49T61	99	GT	1250	2307	RT	V. Good	V. Good	V. Good	V. Good	Excellent	Medium-Tall	Medium	V. Good	Light Red	V. Good	V. Good
RT 51T51	101	GT	1335	2460	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 51T57	101	Agrisure® Total	1335	2460	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 51T86	101	Power Core	1200	2290	RT	Excellent	Excellent	Excellent	V. Good	V. Good	Tall	Medium	V. Good	Pink	Excellent	V. Good
RT 53T44	103	Agrisure Viptera® 3110	1250	2390	RT	Excellent	Excellent	Excellent	V. Good	Excellent	Tall	Medium-High	V. Good	Pink	Excellent	Excellent
RT 53T49	103	Duracade Viptera™	1250	2390	RT	Excellent	Excellent	Excellent	V. Good	Excellent	Tall	Medium-High	V. Good	Pink	Excellent	Excellent
RT 54T11	104	GT	1390	2575	RT	Excellent	Excellent	Excellent	Excellent	V. Good	Tall	Medium	Excellent	Pink	V. Good	V. Good
RT 54T14	104	Agrisure Viptera® 3110	1390	2575	RT	Excellent	Excellent	Excellent	Excellent	V. Good	Tall	Medium	Excellent	Pink	V. Good	V. Good
RT 54T96	104	Power Core	1250	2550	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	V. Good	Red	Excellent	V. Good
RT 55T71	105	GT	1320	2430	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	Excellent	Red	Excellent	V. Good
RT 55T76	105	Agrisure® Above	1320	2430	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	Excellent	Red	Excellent	V. Good
RT 55T79	105	Duracade®	1320	2430	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	Excellent	Red	Excellent	V. Good
RT 57T81	107	GT	1375	2570	RT	Excellent	Excellent	Excellent	V. Good	V. Good	Tall	Medium-High	V. Good	Pink	Excellent	Excellent
RT 59T36	109	Power Core	1310	2690	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium	V. Good	Red	Excellent	V. Good
RT 61T96	111	Agrisure® Above	1380	2400	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	V. Good	Red	V. Good	V. Good
RT 61T99	111	Duracade®	1380	2400	RT	Excellent	V. Good	V. Good	V. Good	V. Good	Medium-Tall	Medium	V. Good	Red	V. Good	V. Good
RT 63T11	113	GT	1320	2790	RT	Excellent	Excellent	V. Good	V. Good	Excellent	Medium-Tall	Medium-High	Excellent	Pink	Excellent	V. Good
RT 64T36	114	Agrisure® Above	1365	2602	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Red	Excellent	V. Good
RT 64T39	114	Duracade®	1365	2602	RT	Excellent	Excellent	V. Good	V. Good	V. Good	Medium-Tall	Medium-High	V. Good	Red	Excellent	V. Good
RT 65T01	115	GT	1435	2630	RT	Excellent	Excellent	V. Good	V. Good	Excellent	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 65T06	115	Agrisure® Above	1435	2630	RT	Excellent	Excellent	V. Good	V. Good	Excellent	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 65T09	115	Duracade®	1435	2630	RT	Excellent	Excellent	V. Good	V. Good	Excellent	Medium-Tall	Medium-High	V. Good	Pink	V. Good	V. Good
RT 67T21	117	GT	1480	2700	RT	Excellent	Excellent	Excellent	V. Good	Excellent	Tall	Medium-High	Excellent	Light Red	V. Good	V. Good

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

Stay Green	Dry Down	Test Weight	High Population Tolerance	Continuous Corn	Drought Tolerance	Gray Leaf Spot Tolerance	Northern Leaf Blight Tolerance	Goss's Wilt Tolerance	Common Rust Tolerance	Tar Spot	FiberGest (30-hr. NDFD)	SofStarch (IVSD7)	Milk per Ton	Digestible Fiber Per Acre	Hand Husking	Fungicide Response
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	N/A	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	N/A	Excellent
Excellent	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	N/A	Excellent
Excellent	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	N/A	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	N/A	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	N/A	V. Good
V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	N/A	V. Good
V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	N/A	V. Good
Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	Good	Good	V. Good	V. Good	V. Good	V. Good	V. Good
V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	Good	Good	V. Good	V. Good	Excellent	V. Good	V. Good
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	Excellent
Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
Excellent	V. Good	V. Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	V. Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	V. Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	Excellent
Excellent	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent
Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	N/A	Excellent
Excellent	Excellent	Excellent	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	N/A	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	Excellent	Excellent	Excellent	N/A	V. Good
Excellent	V. Good	V. Good	V. Good	V. Good	Excellent	Excellent	V. Good	V. Good	Excellent	V. Good	Excellent	Excellent	Excellent	Excellent	N/A	V. Good
V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	Excellent	Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	Excellent	Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	Excellent	V. Good	Excellent	V. Good	V. Good	V. Good	Excellent	Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent
V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	V. Good	Excellent	V. Good	V. Good

RT 35T14

AGRISURE VIPTERA 3110

85 Day RM

Also available as RT 35T11 GT

Big plant, high yielding, very good stay green, dual-purpose grain or silage hybrid, excellent corn-on-corn option.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 30-34K
- Great for continuous corn rotation
- Excellent in medium soils
- Great high population tolerance
- Workhorse suited for most rotations
- Very good stay green for wide harvest window

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Good

RT 37T11

GT

87 Day RM

A medium-tall plant with medium ear placement and consistent yields. Widely adapted across northern regions and soil types.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 28-32K
- Versatile hybrid with semi-flex ears
- Red cob with 16-18 kernel rows
- Outstanding stalk and root strength
- Very good leaf and stalk disease ratings

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Excellent
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Excellent

RT 38T86

AGRISURE ABOVE

88 Day RM

A dual-purpose hybrid with semi-flex ears and excellent seedling vigor. Consistent yield and widely adapted across northern regions and soil types. Excellent stalk and very good root strength.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 28-34K
- Red cob with 16 kernel rows
- Excellent on all soil types
- Excellent stay green for wide harvest window
- Widely adapted across northern regions

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Excellent

RT 38T89

DURACADE

88 Day RM

A dual-purpose hybrid with semi-flex ears and excellent seedling vigor. Consistent yield and widely adapted across northern regions and soil types. Excellent stalk and very good root strength.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 28-34K
- Red cob with 16 kernel rows
- Excellent stay green for wide harvest window
- Excellent on all soil types
- Widely adapted across northern regions

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Excellent

RT 41T14

AGRISURE VIPTERA 3110

91 Day RM

A medium-tall plant with medium-high ear placement and consistent yield, widely adapted across northern regions and soil types.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-36K
- Dual-purpose with semi-flex ears
- Red cob; 18 kernel rows
- Wide population adaption
- Excellent leaf/stalk disease ratings

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Excellent
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Very Good		

RT 43T48

VIPTERA

93 Day RM

Also available as RT 43T44-3110

A medium-tall plant with medium ear placement, widely adapted across northern regions and soil types.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 28-32K
- Dual purpose with flex ears
- Pink cob; 18-20 kernel rows
- Widely adapted to soil types
- Very good leaf/stalk disease ratings

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Excellent
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

RT 45T04

AGRISURE VIPTERA 3110

95 Day RM

A high-yielding, dual-purpose hybrid with excellent eye appeal, tall plant with medium-high ear placement.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Excellent*	*Excellent*

- Recommended Population 30-34K
- Dual purpose with semi-flex ears
- Red cob; 18-20 kernel rows
- Excellent in cold/no-till soils
- Excellent eye appeal

Seedling Vigor	Very Good	**Dry Down**	Excellent
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

RT 45T09

DURACADEVIPTERA

95 Day RM

A high-yielding, dual-purpose hybrid with excellent eye appeal, tall plant with medium-high ear placement.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Excellent*	*Excellent*

- Recommended Population 30-34K
- Dual purpose with semi-flex ears
- Red cob; 18-20 kernel rows
- Excellent in cold/no-till soils
- Excellent eye appeal

Seedling Vigor	Excellent	**Dry Down**	Excellent
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

RT 49T61

GT

99 Day RM

High yield with flex ears and impressive grain quality, outstanding silage hybrid for quantity and quality.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 26-30K
- Excellent seed emergence and vigor
- Consistent yield with top end potential
- Excellent eye appeal
- Very good drought tolerance

Seedling Vigor..... Excellent
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Light Red
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Good

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

RT 51T57

AGRISURE TOTAL

101 Day RM

Also available as RT 51T51 GT

Medium-tall robust plant with great silage appeal and a wide range of adaptability in multiple regions. The pedigree behind this hybrid brings time-tested consistency with new era yield for silage and grain.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 30-34K
- Very good dual purpose for silage and grain
- Keep pops on higher end for top yield
- Very good tolerance to stalk and leaf diseases
- Strong performance between I-90 and I-70; can move south as an early hybrid
- Use caution applying Capreno, Sharpen, Status, or Corvus herbicides while hybrid is under environmental stress; grain yields may be reduced

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Very Good

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance ..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

RT 51T86

POWER CORE

101 Day RM

Tall, robust, versatile hybrid with excellent stalk strength and very good root ratings. Stay green is excellent.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Tall plant with medium ear placement
- Flex pink cob with 18-20 kernel rows
- Excellent tar spot tolerance
- Very good leaf and stalk disease ratings

Seedling Vigor..... Very Good
Plant Height..... Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Very Good

RT 53T44

AGRISURE VIPTERA 3110

103 Day RM

A tall hybrid with medium-high ear placement. Top end yield potential and excellent dry down.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 26-38K
- Excellent late season intactness
- Semi-flex pink cob with 16-18 kernel rows
- Excellent test weight
- Very good leaf and stalk disease ratings

Seedling Vigor..... Excellent
Plant Height..... Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Excellent
Root Strength..... Excellent
Stay Green..... Very Good

Dry Down ..... Excellent
Test Weight ..... Excellent
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Excellent

RT 53T49

DURACADEVIPTERA

103 Day RM

A tall hybrid with medium-high ear placement. Top end yield potential and excellent dry down.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 26-38K
- Excellent late season intactness
- Semi-flex pink cob with 16-18 kernel rows
- Excellent test weight
- Very good leaf and stalk disease ratings

Seedling Vigor	Excellent	**Dry Down**	Excellent
Plant Height	Tall	**Test Weight**	Excellent
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Excellent
Cob Color	Pink	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Excellent		
Root Strength	Excellent		
Stay Green	Very Good		

RT 54T14

AGRISURE VIPTERA 3110

104 Day RM

Also available as RT 54T11 GT

Excellent performance across varied environments. Dual-purpose hybrid with high grain and silage yields. Very good disease ratings. A flex hybrid that works on a wide range of populations.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 28-32K
- Very good dual-purpose hybrid
- High yields of silage and grain across varied soils
- Broadly adapted with outstanding agronomics
- Consistent high yields across the Midwest and South
- Very good seedling vigor

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

RT 54T96

POWER CORE

104 Day RM

Medium-tall healthy plant with excellent flex. Widely adapted across all environments.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 27-32K
- Excellent stalk strength and stay green
- Versatile hybrid that lends itself more to fed-grain
- Excellent test weight
- Excellent leaf and stalk disease ratings
- Very good tar spot tolerance

Seedling Vigor	Very Good	**Dry Down**	Excellent
Plant Height	Medium-Tall	**Test Weight**	Excellent
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Excellent
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

RT 55T76

AGRISURE ABOVE

105 Day RM

Also available as RT 55T71 GT

A versatile medium-tall robust plant with excellent flex. Widely adapted with very good stress tolerance across all environments.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Excellent stalk and stay green
- Excellent fungicide response
- Good leaf and stalk disease ratings
- Average tar spot tolerance

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Good
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

RT 55T79

DURACADE

105 Day RM

A versatile medium-tall robust plant with excellent flex. Widely adapted with very good stress tolerance across all environments.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Excellent stalk and stay green
- Excellent fungicide response
- Good leaf and stalk disease ratings
- Average tar spot tolerance

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Excellent
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Good
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Good

RT 57T81

GT

107 Day RM

A robust plant with excellent silage and grain ratings. Excellent eye appeal across the corn belt, dark green canopy type leaves with a robust stalk, excellent roots and late season standability. Wide regional adaptation with consistent yields in silage and grain.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Excellent*	*Very Good*	*Excellent*

- Recommended Population 30-36K
- High silage yields
- Slower grain dry down due to plant health within maturity range
- Manage populations to management practices and soil conditions
- Very good response to fungicide application

Seedling Vigor..... Very Good
Plant Height..... Tall
Ear Height..... Medium-High
Ear Flex ..... Very Good
Cob Color ..... Pink
Stalk Strength ..... Excellent
Root Strength..... Excellent
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Very Good
Gray Leaf Spot Tolerance..... Very Good
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Excellent

RT 59T36

POWER CORE

109 Day RM

High-yielding versatile hybrid that's widely adapted across all environments. Medium-tall robust plant.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-30K
- Excellent stalk that is tolerant to anthracnose
- Deep, wide kernels on red cob
- Very good stalk and disease ratings
- Very good tar spot tolerance

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Excellent
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Very Good
Test Weight ..... Excellent
Gray Leaf Spot Tolerance..... Excellent
Northern Leaf Blight Tolerance ..... Excellent
Goss's Wilt Tolerance..... Very Good

RT 61T96

AGRISURE ABOVE

111 Day RM

Medium-tall plant with good flex and widely adapted across all environments. Versatile hybrid with very good feed quality.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Very good stalk and root with excellent stay green
- Good kernel depth with a red cob
- Very good leaf and stalk disease ratings
- Very good tar spot tolerance

Seedling Vigor..... Very Good
Plant Height..... Medium-Tall
Ear Height..... Medium
Ear Flex ..... Very Good
Cob Color ..... Red
Stalk Strength ..... Very Good
Root Strength..... Very Good
Stay Green..... Excellent

Dry Down ..... Excellent
Test Weight ..... Excellent
Gray Leaf Spot Tolerance..... Excellent
Northern Leaf Blight Tolerance ..... Very Good
Goss's Wilt Tolerance..... Excellent

RT 61T99

DURACADE

111 Day RM

Medium-tall plant with good flex and widely adapted across all environments. Versatile hybrid with very good feed quality.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 27-32K
- Very good stalk and root with excellent stay green
- Good kernel depth with a red cob
- Very good leaf and stalk disease ratings
- Very good tar spot tolerance

Seedling Vigor	Very Good	**Dry Down**	Excellent
Plant Height	Medium-Tall	**Test Weight**	Excellent
Ear Height	Medium	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Excellent		

RT 63T11

GT

113 Day RM

High silage producer, both quantity and quality, good ear length and excellent flex, deep kernels, excellent disease package (Goss's and GLS), drought and heat tolerant.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Excellent*	*Excellent*

- Recommended Population 26-30K
- Proven silage hybrid with very good quality
- Versatile hybrid that covers all soil types
- Wide harvest window

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Excellent
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Very Good		

RT 64T36

AGRISURE ABOVE

114 Day RM

A high-yielding dual-purpose hybrid with excellent eye appeal and very good ear flex. Medium-tall plant with medium-high ear placement.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 30-34K
- Red cob with 14-16 kernel rows
- Place on better soils with good management
- Excellent Gray Leaf and rust tolerance

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

RT 64T39

DURACADE

114 Day RM

A high-yielding dual-purpose hybrid with excellent eye appeal and very good ear flex. Medium-tall plant with medium-high ear placement.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Excellent	*Excellent*	*Excellent*	*Excellent*

- Recommended Population 30-34K
- Red cob with 14-16 kernel rows
- Place on better soils with good management
- Excellent Gray Leaf and rust tolerance

Seedling Vigor	Very Good	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Excellent
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Excellent		
Root Strength	Very Good		
Stay Green	Excellent		

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

RT 65T06

AGRISURE ABOVE

115 Day RM

Also available as RT 65T01 GT

Consistent, medium-tall, robust, mid- to full-season corn with very good silage appeal, at home between I-80 and I-70 and in the I-24 corridors in the Midwest and throughout the eastern states.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 32-36K
- Keep populations on higher side for best yields
- Excellent performer in productive to average soil conditions
- Excellent emergence in cold/no till soils
- Very good stay green for longer harvest window
- Moves north very well as a full season hybrid; not recommended for deep South

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

RT 65T09

DURACADE

115 Day RM

Consistent medium tall, robust, mid to full season corn with very good silage appeal. Excellent emergence and plant vigor with very good disease resistance make this hybrid a consistent performer.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Very Good*

- Recommended Population 32-36K
- Keep populations on higher side for best yields
- Excellent performer in productive to average soil conditions
- Excellent emergence in cold/no till soils
- Very good stay green for longer harvest window
- Moves north very well as a full season hybrid; not recommended for deep South

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Medium-Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Very Good	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Pink	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

RT 67T21

GT

117 Day RM

Consistent high yields, excellent agronomics, very good disease ratings, broadly adapted regions.

FiberGest (30-hr. NDFD)	SofStarch (ISVD7)	Milk per Ton	Digestible Fiber per Acre
Very Good	*Very Good*	*Very Good*	*Excellent*

- Recommended Population 28-34K
- Very good dual-purpose hybrid
- Broadly adapted with outstanding agronomics
- Consistent high yields across the Midwest and South

Seedling Vigor	Excellent	**Dry Down**	Very Good
Plant Height	Tall	**Test Weight**	Very Good
Ear Height	Medium-High	**Gray Leaf Spot Tolerance**	Very Good
Ear Flex	Excellent	**Northern Leaf Blight Tolerance**	Very Good
Cob Color	Light Red	**Goss's Wilt Tolerance**	Very Good
Stalk Strength	Very Good		
Root Strength	Very Good		
Stay Green	Very Good		

"I've seen no weaknesses in Red Tail hybrids. I'm seeing 23.5 ton per acre in silage. I keep my population around 29,000 because most of it is no-tilled. My Red Tail corn is double cropped after triticale/ryegrass so it's usually planted in May. With the triticale/ryegrass and Red Tail corn rotation, I can feed a 70%+ forage ration on my dairy and get excellent milk conversion and components."

-Clinton Dall, Southern Illinois

Rating scale: POOR 1-2 | FAIR 3-4 | GOOD 5-6 | VERY GOOD 7-8 | EXCELLENT 9-10

The DuracadeViptera™ trait stack (formerly 5222 EZ) is the industry's most comprehensive solution for proactively protecting yield potential and field health, featuring multiple modes of action to control 16 key insects—more than any competitive trait stack—including a unique mode of action that demonstrates strong performance against corn rootworm, and the convenience of an integrated E-Z Refuge® seed blend. **Pests controlled:** European corn borer, southwestern corn borer, corn earworm, western bean cutworm, black cutworm, dingy cutworm, fall armyworm, true armyworm, beet armyworm, common stalk borer, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, western corn rootworm, northern corn rootworm, and Mexican corn rootworm.

The Duracade® trait stack (formerly 5122 EZ) offers season-long control of corn rootworm and corn borer, as well as suppression of ear-feeding insects, and includes a unique mode of action that demonstrates strong performance against corn rootworm, with an integrated E-Z Refuge® seed blend. **Pests controlled:** European corn borer, southwestern corn borer, black cutworm, beet armyworm, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, western corn rootworm, northern corn rootworm and Mexican corn rootworm. Pests suppressed: Corn earworm, western bean cutworm, fall armyworm and common stalk borer.

The Viptera® trait stack (formerly 3220 EZ) offers the most comprehensive above-ground insect control with multiple modes of action against key above-ground insects and the convenience of an integrated E-Z Refuge® seed blend. It is ideal for areas where corn rootworm management is not a primary concern. **Pests controlled:** European corn borer, southwestern corn borer, corn earworm, western bean cutworm, black cutworm, dingy cutworm, fall armyworm, true armyworm, beet armyworm, common stalk borer, southern cornstalk borer, lesser cornstalk borer and sugarcane borer.

The Agrisure® Above trait stack (formerly 3120 EZ) offers the convenience of an integrated E-Z Refuge® seed blend plus multiple modes of action against corn borer, as well as suppression of ear-feeding insects. **Pests controlled:** European corn borer, southwestern corn borer, black cutworm, southern cornstalk borer, lesser cornstalk borer and sugarcane borer. Pests suppressed: Corn earworm, western bean cutworm, fall armyworm and common stalk borer.

The Agrisure® Total trait stack (formerly 3122 EZ) offers the convenience of an integrated E-Z Refuge® seed blend with multiple modes of action against corn borer and corn rootworm, as well as suppression of ear-feeding insects. **Pests controlled:** European corn borer, southwestern corn borer, black cutworm, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, western corn rootworm, northern corn rootworm and Mexican corn rootworm. Pests suppressed: Corn earworm, western bean cutworm, fall armyworm and common stalk borer.

The Agrisure Viptera® 3110 trait stack offers season-long comprehensive above-ground insect control. It is ideal for areas where corn rootworm management is not a key focus. **Pests controlled:** European corn borer, southwestern corn borer, corn earworm, western bean cutworm, black cutworm, dingy cutworm, fall armyworm, true armyworm, beet armyworm, common stalk borer, southern cornstalk borer, lesser cornstalk borer and sugarcane borer.

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The Agrisure® GT trait provides tolerance to in-crop applications of glyphosate-based herbicides. This hybrid is an excellent option for refuge acres in a structured refuge operation.

PowerCore® Enlist® corn is a comprehensive trait package for above-ground pests and weed management. PowerCore Enlist corn features three modes of action against above-ground insect pests for broad-spectrum and long-lasting control. The primary pest controlled are black cutworm, European corn borer, fall army worm, and southwestern corn borer. Tolerance to multiple herbicides – including glyphosate, glufosinate, 2,4-D choline, and FOPS – gives you the flexibility in herbicide choice and management practices to help maximize yield.

Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.

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Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed set forth in the technology agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.

Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium-based herbicides.

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More information about Duracade® is available at http://www.biotradestatus.com/.

Alfalfa

Alfalfa is a legume that can fix most of its own nitrogen, is deep-rooted to give drought tolerance, and yields well during the hotter part of the summer. On many farms today, alfalfa stands are only in production for three to four years. Byron Seeds selects only the highest-performing varieties for maximum yields throughout the life span of the stand.

The low-lignin industry alfalfas are good quality but they have a drag on yield. Our KingFisher alfalfas are not only excellent in quality, but they actually *increase* yield. KingFisher alfalfas have improved fiber digestibility on farms across the country. KingFisher alfalfas and alfalfa/grass mixes also have produced award-winning yields of high-quality forages that have garnered many honors and championships in the rigorous, unbiased World Dairy Expo Forage Analysis Superbowl.

Management

Many modern varieties can handle 28-day cutting schedules, and some elite varieties need that type of management to perform their best. One very critical aspect of alfalfa management is knowing when to take the last cutting in the fall. Alfalfa needs five weeks of growth before a killing frost (25ºF). In some areas, another cutting can be taken after frost when the alfalfa is dormant.

Higher fall dormancy numbers in alfalfa indicate early spring and late fall growth, thus increased yield. For winter survival, the lower the winter survival number, the more winter-hardy the variety.

Establishment

Alfalfa can be planted in the spring or late summer, but we advise late summer when possible. If spring sown, a nurse crop of grass or small grain is advisable to maximize the tonnage in the seeding year. We usually advise seeding grass with alfalfa to increase tonnage and produce a better quality feed for the life of the stand.

Good ratios of sulfur, boron, and phosphorus as well as a pH above 6.5 are critical for alfalfa. Nitrogen is key for good grass yields.

Alfalfa exhibits autotoxicity, which means established plants (older than 6 months) give off compounds that prevent new alfalfa seedlings from establishing.

SureStand Hydro Seed Coating
SureStand Hydro is a proprietary mix of minerals, special compounds, rhizobia bacteria and beneficial soil microbes designed for any type of legume seed. It is bonded to each seed in a dense, durable, protective coating that ensures survivability and stimulates vigorous growth in young seedlings by absorbing water from the soil and providing beneficial nitrogen-fixing bacteria.

About Myco Seed Treatment
SureStand contains Myco Seed Treatment (MST), a proprietary organic microbial seed treatment package designed to stimulate healthy growth in legumes when conditions are less than ideal and increase performance in ideal conditions. MST includes free-living and symbiotic bacteria, fungi, actinomycetes, algae and mycorrhizal fungi. Once the seed is planted, the microbes start to grow and multiply.

KingFisher alfalfas are available with a SureStand conventional coating or a SureStand coating approved for organic.

KingFisher alfalfas are available with a SureStand conventional coating or a SureStand coating approved for organic.

KingFisher SynergyX alfalfas are intelligent alfalfa blends designed to **increase yield, reduce risk,** and **extend life** through the varying root systems and the synergistic teamwork of the high-performing alfalfa varieties that compose the blends. Each of our four SynergyX blends has a unique place and focus:

- **KF SynergyX Blaze HD² –** focused on highest quality and highest disease resistance for best soils
- **KF SynergyX Ignite—**focused for very high yields
- **KF SynergyX Fortress—**focused on rugged, high-traffic tolerance with a sunken crown component
- **KF SynergyX Hydro-Power—**focused for lower, wetter soils with a red clover component.

Because of the unique strengths they bring to the farmer, KingFisher SynergyX alfalfa blends have exploded across the Midwest! Don't miss out on their powerful advantages.

KF SynergyX Blaze HD²

ZONES: 1, 2, 3, 4, 5, 6

- Blaze is a blend of high-performing alfalfas naturally bred for reduced crosslinking with lignin and lower UNDF240.
- Blaze brings strong disease resistance (APH2) and increased NDFD30 and protein digestion.

Disease Resistance	30-35
Dormancy	4.5
Winter Survival	1.8
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

KF SynergyX Ignite

ZONES: 1, 2, 3, 4, 5, 6

- Ignite is a combination of high-performing alfalfas with superior quality, disease resistance, and varying root systems for the best alfalfa managers.
- This mix has very high yield potential while having reduced crosslinking with lignin.

Disease Resistance	30-35
Dormancy	4.5
Winter Survival	1.8
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

KF SynergyX Fortress

ZONES: 1, 2, 3, 4, 5, 6

- Fortress is a blend of rugged, high-traffic-tolerant alfalfas.
- This mix includes sunken crown, branch root, creeping, and APH2 resistant alfalfas.

Disease Resistance	30-35
Dormancy	4.5
Winter Survival	1.8
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

KF SynergyX Hydro-Power

ZONES: 1, 2, 3, 4, 5, 6

- Hydro-Power is a combination of stress-tolerant alfalfas that handle variable soil types and will make award-winning dry hay, baleage, or haylage.
- It also has a persistent red clover component that will increase the yields and the fiber digestibility of this strategic mix.

Disease Resistance	30-35
Dormancy	4.0
Winter Survival	2.0
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

30 out of 30 is the highest resistance rating. 35 ratings indicate resistance to APH2. Higher fall dormancy numbers indicate early spring and late fall growth.The lower the winter survival number, the more winter-hardy the variety. More asterisks means better persistence.

KingFisher alfalfas are available with a SureStand conventional coating or a SureStand coating approved for organic.

KF Stronghold

ZONES: 1, 2, 3, 4, 5, 6

- Stronghold features a sunken crown for great traffic tolerance.
- The branched roots keep the plant firmly in the ground, helping avoid winterkill.

Disease Resistance	35
Dormancy	4.3
Winter Survival	1.8
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

KF 425HD

Frequent Finalist at the World Forage Superbowl

ZONES: 1, 2, 3, 4, 5

- This variety works very well for feeding programs dependent on fiber digestibility from alfalfa.
- KF 425HD is naturally bred for reduced crosslinking with lignin.
- One of our most excellent varieties; very popular!

Disease Resistance	30
Dormancy	4.5
Winter Survival	2.0
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT | World Forage Analysis Superbowl

KF 406A2

ZONES: 1, 2, 3, 4, 5, 6

- Our best disease-resistant variety including Aphanomyces Race 2.
- This branch-rooted variety works well on marginal soils prone to disease and wet conditions.

Disease Resistance	35
Dormancy	4.0
Winter Survival	2.0
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

KF 402H

ZONES: 1, 2, 3, 4, 5, 6

- This hybrid alfalfa produces very uniform and dense stands with extremely fine stems.
- It works well for aggressive cutting schedules.

Disease Resistance	30
Dormancy	4.0
Winter Survival	1.6
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT | World Forage Analysis Superbowl

KF 401B

ZONES: 1, 2, 3, 4, 5, 6

- This branch-rooted variety works well on a wide variety of soil conditions.
- This variety has excellent regrowth even in heavier soils.

Disease Resistance	30
Dormancy	3.8
Winter Survival	1.6
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT | World Forage Analysis Superbowl

KF 257

ZONES: 1, 2, 3, 4, 5

- This alfalfa re-grows rapidly for 28-day cutting schedules.
- It produces exceptional tonnage and is very winter-hardy.

Disease Resistance	29
Dormancy	5.0
Winter Survival	2.0
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT

30 out of 30 is the highest resistance rating. 35 ratings indicate resistance to APH2. Higher fall dormancy numbers indicate early spring and late fall growth. The lower the winter survival number, the more winter-hardy the variety. More asterisks means better persistence.

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

KingFisher alfalfas are available with a SureStand conventional coating or a SureStand coating approved for organic.

Byron's 40 LR

ZONES: 1, 2, 3, 4, 5

- An improved leaf hopper-resistant alfalfa with a solid disease package.
- Recovery after cutting is slower than some other alfalfas.

Disease Resistance	27
Dormancy	3.9
Winter Survival	1.7
Forage Quality	V. Good
Leaf to Stem	V. Good
Persistence	****

KingFisher 100% REPLANT

KF 403CR

ZONES: 1, 2, 3, 4, 5

- This variety is super persistent.
- It is good for grazing because it is a creeping alfalfa that spreads by rhizomes, healing pastures.

Disease Resistance	30
Dormancy	4.0
Winter Survival	2.0
Forage Quality	Excellent
Leaf to Stem	Good
Persistence	*****

KingFisher 100% REPLANT

KF 444

Now available as Organic!

ZONES: 1, 2, 3, 4, 5

- KF 444 is a consistent performer across a wide variety of soils and conditions.
- It demonstrates branch rooting in wet and heavy soils.

Disease Resistance	30
Dormancy	4.0
Winter Survival	1.5
Forage Quality	V. Good
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT · World Forage Analysis Superbowl · USDA ORGANIC

KF SynergyX Ignite-Force

NEW

ZONES: 1, 2, 3, 4, 5, 6

- Ignite-Force is an organic blend that brings the force of alfalfa synergy to the organic farmer.
- As a companion blend to our conventional Ignite, Ignite-Force brings high-performing alfalfas with superior quality, disease resistance, and varying root systems for the best alfalfa managers.

Disease Resistance	30-35
Dormancy	4.5
Winter Survival	1.8
Forage Quality	Excellent
Leaf to Stem	Excellent
Persistence	*****

KingFisher 100% REPLANT · USDA ORGANIC

OR101

ZONES: 1, 2, 3, 4, 5, 6

- OR101 is a blend of organically produced alfalfas.
- A fall dormancy of 4 helps it move farther south.

Disease Resistance	28
Dormancy	4.0
Winter Survival	2.0
Forage Quality	Good
Leaf to Stem	Good
Persistence	***

KingFisher 100% REPLANT · USDA ORGANIC

Byron's 44 Mag

ZONES: 1, 2, 3, 4, 5, 6

- This tall, robust organic variety has a dense, leafy canopy and good tonnage.
- This grower-friendly variety is easy to manage; performs well in short or longer rotations.

Disease Resistance	30
Dormancy	4.3
Winter Survival	2.2
Forage Quality	V. Good
Leaf to Stem	V. Good
Persistence	****

KingFisher 100% REPLANT · World Forage Analysis Superbowl · USDA ORGANIC

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Clovers

Red Clover

Description

Red clover is a legume that is widely grown throughout the United States as a hay or forage crop. Red clover does better than alfalfa in areas with low soil pH or fertility and poor soil drainage. Improved red clovers are fast-starting, highly productive and more persistent than older common types. Improved red clovers will persist between 3 and 4 years.

Red clovers can be used in haying or grazing systems. In side-by-side trials, red clovers have had higher RFQs (more digestibility) than alfalfa in fermented or dried forages and approximately twice the level of bypass protein.

Management

Red clover production during the second year is generally higher than during the first or third years. The weather influences red clover growth much more than deeper-rooted alfalfa.

If summer rainfall is good, clover may be cut about every 35 to 40 days. Growth should be removed after "freezedown." Leaving the growth on a field during fall and winter can kill the stand. Red clover stands that are one year old or older should be cut three or four times in a season. Harvesting in drought conditions will also thin stands.

Establishment

Red clover can be sown by itself or in mixtures with small grains, sorghum-sudans, alfalfa, and/or cool-season grasses. Planting depth should be 0.25 to 0.50 inch. Red clover can also be established by frost seeding (broadcasting on frozen or snow-covered ground).

Red clover requires soil pH to be 6.0 or higher. Red clover is responsive to phosphorus and potassium. Apply to soil testing recommendations.

All clovers are available with a SureStand conventional coating or a SureStand coating approved for organic.

Red Clover

The benefits of alfalfa are many and well known. However, modern improved varieties of red clover also bring benefits:

- Clover has better winter hardiness.
- Clover better tolerates "wet feet".
- Clover is not as dependent on high soil pH.
- Clover has higher bypass protein than alfalfa.

Red clover is approximately 10% more digestible than alfalfa and adding some red clover to your alfalfa field can improve the digestibility and the protein quality of the total hay crop.

KF Red Power Clover Blend

NEW

ZONES: 1, 2, 3, 4, 5, 6

- KF Red Power Clover Blend brings a synergistic effect to enhance yield and reduce risk.
- This blend combines the best of our red clovers for a powerhouse forage.

Yield	Excellent
Dry Down	V. Good
Winter Hardiness	Excellent
Quality	Excellent
Persistence	Excellent

KingFisher 100% REPLANT

Renegade

ZONES: 1, 2, 3, 4, 5, 6

- This variety works well on heavier, wetter soils.
- It is organic and conventional.

Yield	Excellent
Dry Down	Good
Winter Hardiness	Excellent
Quality	Excellent
Persistence	V. Good

KingFisher 100% REPLANT

USDA ORGANIC

Emerald

ZONES: 1, 2, 3, 4, 5, 6

- Emerald is very high yielding with fast recovery.
- Emerald is bred for better fall production and has good disease resistance.

Yield	Excellent
Dry Down	V. Good
Winter Hardiness	V. Good
Quality	V. Good
Persistence	Excellent

KingFisher 100% REPLANT

Cyclone II

ZONES: 1, 2, 3, 4, 5, 6

- It works well for grazing or hay.
- Good disease resistance.

Yield	Excellent
Dry Down	V. Good
Winter Hardiness	Excellent
Quality	Excellent
Persistence	V. Good

KingFisher 100% REPLANT

KF Resilience

ZONES: 1, 2, 3, 4, 5, 6

- Bred for persistence in the Midwest, this variety gives very high RFQ and great yields.
- KF Resilience has very fast recovery.

Yield	Excellent
Dry Down	V. Good
Winter Hardiness	Excellent
Quality	Excellent
Persistence	Excellent

KingFisher 100% REPLANT

USDA ORGANIC

KF Clover Mix

ZONES: 1, 2, 3, 4, 5, 6

- This is a 70% red clover, 30% white clover mix that gives good yield in pasture situations.
- It is organic and conventional.

Yield	Good
Dry Down	Good
Winter Hardiness	Excellent
Quality	V. Good
Persistence	Excellent

KingFisher 100% REPLANT

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

White Clover

Description

White or ladino clover is a long-lived perennial that spreads by creeping above ground stems or stolons that root at the nodes. It is a large-leafed clover, very high in protein, vitamins, and minerals. Addition of white clover to pastures will increase daily dry matter intake in livestock. Ladino clover is a good producer of high-quality feed and is utilized extensively as a soil-building crop. It is an excellent legume to use in combination with other legumes and grasses. Ladino also produces large amounts of nitrogen, which in turn feeds the grass sward within the pasture.

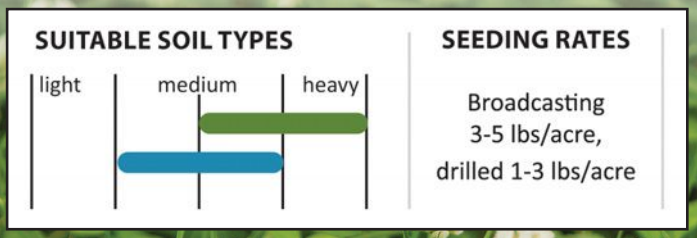
Management

Ladino is primarily a pasture-type clover. Ladino clover planted with perennial grasses should be grazed or mowed frequently (2 or 3 times per summer) with the final mowing in late August. Fertilizer should be applied throughout the year. To manage the bloat risk associated with ladino clovers, manage your pasture swards with no more than a 10% stand of clover. Do not overgraze the grasses below 4 inches for this increases the clover concentration.

Establishment

White clover will thrive on soils with a pH of 5.5 or higher. Both white and ladino clover require adequate phosphorus and potassium for establishment, persistence and growth. White clover is especially responsive to cool, moist conditions. It grows best between 50°F and 85°F. Because of its shallow root system, it is not adapted to shallow, droughty soils.

Ladinos can be broadcasted, frost-seeded, or drilled into soil. Seed depth should not exceed 0.25 inch.



Kakariki White Clover

ZONES: 1, 2, 3, 4, 5, 6

- This late maturing white clover has very large leaves for high yields.
- The many stolons of this variety bring persistence even in heavy grazing situations.

Yield	Excellent
Height	Excellent
Winter Hardiness	Excellent
Stolon Density	Excellent
Persistence	Excellent

KingFisher 100% REPLANT

KF Vigilant White Clover

ZONES: 1, 2, 3, 4, 5, 6

- Because of its very stoloniferous and winter-hardy traits, this variety is very persistent in addition to being a high yielder.

Yield	Excellent
Height	Excellent
Winter Hardiness	Excellent
Stolon Density	Excellent
Persistence	Excellent

KingFisher 100% REPLANT

Regal Graze White Clover

ZONES: 1, 2, 3, 4, 5, 6

- This is a ladino, large-leafed clover.
- It is rated as having the highest palatability of any white clover and has great recovery because it has been specially bred with Overgraze Protection.

Yield	Excellent
Height	Excellent
Winter Hardiness	Excellent
Stolon Density	V. Good
Persistence	Excellent

KingFisher 100% REPLANT

Rivendel White Clover

ZONES: 1, 2, 3, 4, 5, 6

- This clover is a small-leaved very persistent variety.
- Rivendel has good resistance to nematodes and clover rot.

Yield	V. Good
Height	V. Good
Winter Hardiness	Excellent
Stolon Density	Excellent
Persistence	Excellent

KingFisher 100% REPLANT

USDA ORGANIC

Cool-Season Grasses

When we say, "Byron Seeds searches the world over for better grasses," here's what we mean. Byron Seeds works directly with several grass-breeding companies that get their base genetics from around the world. For example, our popular Kora tall fescue has its origins in our breeding program in Central Europe. The weather conditions in that area resulted in a variety that is very cold-tolerant and very drought-tolerant.

One of the latest-maturing varieties on the market today, Athos comes out of European genetics as well. We also have products that were developed in Romania and even New Zealand. A few of our products were developed here in the US. But whereas US breeders have made leaps and bounds in breeding corn, soybeans, wheat and alfalfas, they haven't advanced cool-season grasses at the same pace.

Producers like you have no cause for worry because Byron Seeds has made the commitment to find, test, select, and bring to you, the best cool-season grass the world has to offer.

Description

Cool-season grasses can be used in conjunction with other grasses and/or legumes in pasture applications or in conventional harvesting applications. These grasses typically have a higher caloric or energy value than legumes by themselves, so if planted with a legume, greater tonnage can be realized. Cool-season annuals and perennials work well together because the annuals come on faster, and the perennials, once established, have longevity and tonnage.

Management

Avoiding overgrazing or clipping lower than 3 inches helps stand vigor and regrowth. Six to eight inches are needed for overwintering and also encourage more root development. Proper fertility is important to ensure stand establishment, expected forage tonnage and quality. Approximate nitrogen needs are 40 lbs. for establishment and another 50 to 80 lbs. for the total annual requirement. If grass is to be used in a crop rotation where conventional chemicals are used, be aware of the potential chemical residue as the grass could be killed or suppressed.

Establishment

Cool-season grasses can be planted as early as oats. Start with a soil test to determine the fertilizer and lime requirements. Plant at a depth of 0.25 to 0.375 inch (or a depth no more than five times the diameter of the seed). A smooth, firm seedbed is needed to create optimal seed-to-soil contact for maximum germination. We do not recommend broadcast seeding and will not give a replant if there is a stand failure. However, if you do have to broadcast grass seed, broadcast seeding requires extensive field preparation along with 25% more seed. For best coverage, use a split application at right angles to each other or crisscross the field. Grasses need a soil pH of 6.5-7.0 to perform well.

KF Haylage Plus

ZONES: 1, 2, 3, 4, 5, 6

- Designed for haylage or baleage harvest, or as a base for a custom pasture blend.
- Excellent as a straight planting or mix with alfalfa.
- High-yielding in various soil types and management systems.

CONSISTS OF A SPECIAL MIX OF:

Tall Fescue	50%
Festulolium	25%
Meadow Fescue	25%

KingFisher 100% REPLANT

Untreated Seed

KF Alfa-Plus

ZONES: 1, 2, 3, 4, 5

- A mixture of the best tall fescues, orchardgrasses and meadow fescues.
- Better for grazing than KingFisher Premium Hay Blend; grazing to 4-6 inches will protect both the orchardgrass and tall fescue.
- Great for hay and haylage; easy to dry.

KingFisher 100% REPLANT

Untreated Seed

USDA ORGANIC

CONSISTS OF A SPECIAL MIX OF:

Tall Fescue	50%
Orchardgrass	25%
Meadow Fescue	25%

KF Premium Hay Blend

ZONES: 1, 2, 3, 4, 5

- Contains at least two premium tall fescues.
- Highest-yielding of all grasses; high fiber digestibility (NDFD).
- Not recommended for grazing.

CONSISTS OF A SPECIAL MIX OF:

Premium Tall Fescue #1	50%
Premium Tall Fescue #2	50%

KingFisher 100% REPLANT

Untreated Seed

KF Highland Hay Mix

ZONES: 1, 2, 3, 4, 5

- This mix was developed for drier soils.
- It has a very good ratio of grass to alfalfa.
- Features increased fiber digestibility (NDFD) and easy drying.

KingFisher 100% REPLANT

- Untreated Seed
- Organic Coating on Organic and Non-Organic Seed

CONSISTS OF A SPECIAL MIX OF*:

KingFisher Alfalfa	65%
Brome	10%
European Hay Type Tall Fescue	10%
Orchardgrass	10%
Timothy	5%

*Some percentages include seed coating

KF Hay Grazing

ZONES: 1, 2, 3, 4, 5

- A complete mix that can be either grazed or baled.
- Suited for two spring cuts and fall grazing combinations.

KingFisher 100% REPLANT

- Untreated Seed
- Organic Coating on Organic and Non-Organic Seed

CONSISTS OF A SPECIAL MIX OF*:

Red Clover	5%
Meadow Fescue	15%
Tall Fescue	25%
KingFisher Alfalfa	40%
Orchardgrass	15%

*Some percentages include seed coating

KF Performance Max

ZONES: 1, 2, 3, 4, 5, 6

- A complete mix of two high-quality alfalfas and three different grasses.
- Ultimate tonnage for alfalfa and grass mixtures.

KingFisher 100% REPLANT

- Untreated Seed
- Organic Coating on Organic and Non-Organic Seed

CONSISTS OF A SPECIAL MIX OF*:

KingFisher Alfalfas	70%
Tall Fescue	10%
Orchardgrass	10%
Meadow Fescue	10%

*Some percentages include seed coating

KF Lowland Hay Mix

ZONES: 1, 2, 3, 4, 5, 6

- This mix was developed for wetter soils.
- It has great quality, high sugar, and easy dry down.

KingFisher 100% REPLANT

- Untreated Seed
- Organic Coating on Organic and Non-Organic Seed

CONSISTS OF A SPECIAL MIX OF*:

KingFisher Alfalfa	50%
Red Clover	15%
European Hay Type Tall Fescue	10%
Orchardgrass	15%
Timothy	10%

*Some percentages include seed coating

KF Hay Supreme

ZONES: 5, 6

- Great for baleage or dry hay
- Southern-selected varieties
- Endophyte-Free

KingFisher 100% REPLANT

- Untreated Seed
- Organic Coating on Organic and Non-Organic Seed

CONSISTS OF A SPECIAL MIX OF*:

Alfalfa	60%
Orchardgrass	15%
Fescue	15%
Timothy	5%
Bluegrass	5%

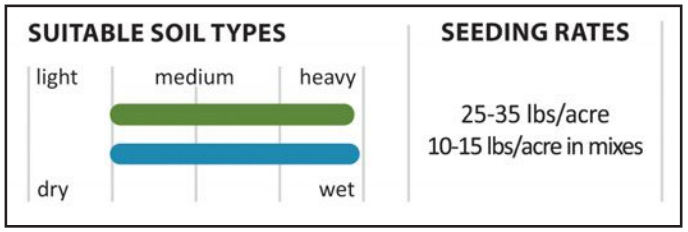
*Some percentages include seed coating

Meadow Fescue

Description

Meadow fescue is becoming the new go-to grass in the Upper Midwest. Why is it replacing tall fescue? Tall fescue will always outyield meadow fescue head to head. But when meadow fescue or tall fescue is partnered with alfalfa, the yield of the alfalfa and either of the grasses gives the same increase in yield over the alfalfa alone. It seems the meadow fescue is less competitive and does not try to replace the alfalfa. Therefore, the alfalfa/grass ratio remains more constant with meadow fescue. Yes, we still like the drought tolerance of the tall fescue and some may choose Haylage Plus (tall fescue, meadow fescue and Perun festulolium as a nurse crop) as their alfalfa partner.

There is, however, one more meadow fescue advantage and one more contributing factor. Work at UW-Madison has shown an edge in fiber digestibility (NDFD) that can amount to a 2- to 3-pound milk boost when meadow fescue is substituted for tall fescue.



Management

Meadow fescue needs fertile soils for optimum performance. It works well in intensively managed grazing or hay production if not mowed lower than 3 inches.

Establishment

Meadow fescue will establish faster than tall fescue or orchardgrass but will still benefit from a nurse crop. Use a low rate of a small grain or combine with festulolium or ryegrass to help suppress weeds. Meadow fescue is a good no-till option but will not express itself until the following year.

Liherold Meadow Fescue

ZONES: 1, 2, 3, 4, 5

- A top performer from Wisconsin to Kentucky.
- A standout in our Rockville trials.

Maturity	Late
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	V. Good

KingFisher 100% REPLANT · World Forage Analysis Superbowl · USDA ORGANIC · *Untreated Seed*

Tetrax Meadow Fescue

ZONES: 1, 2, 3, 4, 5

- A tetraploid, Schwetra is both extremely palatable and highly digestible.
- The high sugars found in a tetraploid give good livestock production.

Maturity	Late
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	V. Good

KingFisher 100% REPLANT · *Untreated Seed*

KF Galaxy

ZONES: 1, 2, 3, 4, 5

- Very cold tolerant with great persistence.
- Good in hay or grazing applications.
- Expect high digestibility.

Maturity	Late
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	V. Good

KingFisher 100% REPLANT · *Untreated Seed*

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Timothy

Description

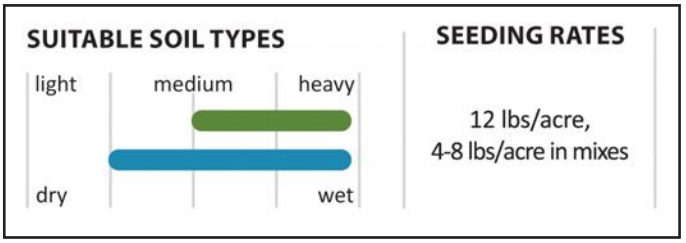
Known for its palatability and superior winter hardiness, timothy is the latest heading of all cool-season perennials. It is well suited as dry cow hay due to its low uptake of minerals such as potassium. It makes excellent horse hay. Timothy has a shallow root system allowing great spring production with poor performance in the heat and drought. However, it does well on heavy, wet, and peaty soils. The small bulb at the base stores nutrients, giving it persistence through the drought and heat periods.

Management

Choose an earlier-heading variety when combining with alfalfa because timothy will not tolerate harvest during the jointing (stem elongation) and early-heading stages. Keep the cutting height 3-4 inches for stand persistence. Does not graze well. Use a late-heading variety for grazing. It tolerates mechanical harvest well, with proper fertility. Fall cuttings should be early enough to allow carbohydrate reserves to be replenished. Early application of nitrogen will significantly boost production.

Establishment

Timothy can be spring or late summer planted. It needs to be planted into a very firm seedbed keeping the depth 0.125 to 0.25 inch. It is slow to establish so control weed pressure and leave 4 to 6 weeks from seeding date to summer drought for spring plantings and the same period before frost for fall plantings. In the South, timothy is often fall planted as a cover crop, harvested or grazed in the spring and then killed off to make way for spring crops.



Presto

ZONES: 1, 2, 3, 4, 5

- Best for yield distribution across the growing season.
- Presto has good total yields and persistence.

KingFisher 100% REPLANT *Untreated Seed*

Maturity	Late
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	V. Good

Dolina

ZONES: 1, 2, 3, 4, 5

- An organic timothy with good across-the-season yields.

Untreated Seed

KingFisher 100% REPLANT USDA ORGANIC

Maturity	Mid
Palatability	Excellent
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	V. Good

Haystack Blend

ZONES: 3, 4, 5, 6

- This strategic timothy blend features Zenyatta as its foundation plus other varieties.
- The differing maturities gives a flexible harvest window for high-quality dry hay.

KingFisher 100% REPLANT *Untreated Seed*

Maturity	Early-Mid
Palatability	Excellent
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	Fair

Zenyatta

ZONES: 4, 5, 6

- Very early maturing with a high first cutting yield.
- Great choice for a timothy managed as an annual followed by double crop.

KingFisher 100% REPLANT *Untreated Seed*

Maturity	Early
Palatability	Excellent
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	Poor

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Orchard Grass

Description

Orchardgrass is a perennial, cool-season bunchgrass best suited for fertile, light to medium soils with good drainage. It can persist in moderately poor drained soils. Orchardgrass has good winter hardiness, tolerance to shade and moderate tolerance to drought. It is an excellent choice for pasture, hay, greenchop or silage and is well adapted to grow with legumes such as clover and alfalfa. There is typically a 10 to 20 day spread in heading date between early-maturing and late-maturing varieties. Use a later-heading variety as a companion to alfalfa.

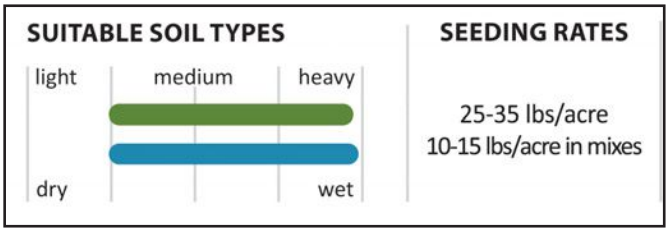
Management

Orchardgrass is very responsive to fertilizer and aftermath production can be excellent with proper fertility and split N applications. For optimum first harvest yield and quality, orchardgrass should be harvested in early-mid boot stage at a cutting height of 3 to 4 inches so it can recover quickly and persistence can be maintained.

For grazing, excellent grazing management is required to maintain persistence and productivity. Graze to 3 to 4 inches and rest 28 days between rotations. Orchardgrass does not persist well under continuous grazing. It is not a good candidate to pair with perennial ryegrass since their management protocols are so different.

Establishment

Orchardgrass can be planted either in early spring or late summer depending on the area of the country being grown. Seeding depth is generally 0.25 to 0.50 inch in a firm seedbed. Rolling or using a cultipacker after seeding ensures even germination and emergence.



Endurance

ZONES: 1, 2, 3, 4, 5, 6

- As its name says, Endurance was selected for its durability, especially in the South.
- Works well in grazing and hay situations.

Maturity	Mid
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Echelon

ZONES: 1, 2, 3, 4, 5

- Echelon has good persistence with the highest yield in our lineup.
- Echelon is our best fall performer with outstanding yield and forage quality.

Maturity	Late
Palatability	Excellent
Digestibility	Excellent
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT USDA ORGANIC *Untreated Seed*

Lidacta

ZONES: 1,2,3, 4, 5

- Lidacta is a mid-late variety with excellent yield especially in the first cut.
- Lidacta realizes good results in rust resistance and standability.

Maturity	Mid-Late
Palatability	V. Good
Digestibility	Excellent
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT USDA ORGANIC

Sundown

ZONES: 1, 2, 3, 4, 5

- Sundown is excellent for grazing or hay; aggressive tillering.
- Sundown is excellent quality, showing an NDFD of 82 in some trials.

Maturity	Late
Palatability	Excellent
Digestibility	Excellent
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

KF OG Blend South

ZONES: 1, 2, 3, 4, 5, 6

- This blend has been created for endurance and performance in the South.
- Works well for grazing or hay with exceptional yield and digestibility.

Maturity	Late
Palatability	Excellent
Digestibility	Excellent
Winter Hardiness	V. Good
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

KF OG Blend North

ZONES: 1, 2, 3, 4

- This blend has been created for endurance and performance in the North.
- Works well for grazing or hay with exceptional yield and digestibility.

Maturity	Late
Palatability	Excellent
Digestibility	Excellent
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Athos

ZONES: 1, 2, 3, 4, 5, 6

- This variety is very dense and proved itself in grazing trials.
- It has good drought tolerance and good fall growth.

Maturity	Late
Palatability	Excellent
Digestibility	Excellent
Winter Hardiness	Excellent
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Quickdraw

ZONES: 5, 6

- This early-maturing orchardgrass produces massive amounts of forage before summer heat slows growth.
- Very rapid regrowth; quick recovery allows more frequent harvesting.

Maturity	Early
Palatability	V. Good
Digestibility	V. Good
Winter Hardiness	V. Good
Grazing Suitability	Excellent

KingFisher 100% REPLANT *Untreated Seed*

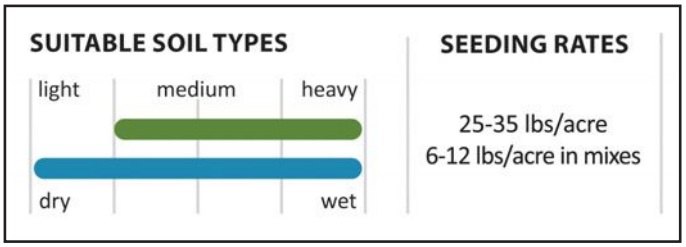
Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Tall Fescue

Description

Tall fescue has a strong agronomic constitution that allows season-long productivity that is unmatched by other cool-season grasses. Tall fescue can grow in wet conditions but is also very drought tolerant. On dairy farms, tall fescue is a great addition to the hay portfolio, and on beef operations in the Midwest it remains the foundation of pasture systems.

In the past number of years, tall fescue has made many appearances at the World Dairy Expo Forage Analysis Superbowl including as the Grand Champion haylage! While tall fescue has long been thought of as a southern grass, endophyte-free tall fescues are thriving in Wisconsin and Minnesota. For our southern farmers, Novel endophytes tall fescue are the way to go.



Management

Tall fescue can be planted with alfalfa, with grass hay mixes, or simply in monoculture for hay or pasture systems. Remember that tall fescue, like most cool-season grasses, stores 90% of food for regrowth after harvest in the bottom 2 to 2.5 inches of the stem. This means that for maximum growth and production, at least 3 to 4 inches of stubble should remain after harvest.

Also, for top yield, we recommend 1 to 1.5 lbs. of available N for each day of growth. Another way to look at nitrogen is that it will take a total of 25 lbs. N for each ton of dry matter harvested. Sulphur is also very necessary for proper conversion of the N to crude protein. Tall fescue can tolerate less than ideal fertility but, like most crops, it gives best yield and quality in balanced soils. Tall fescue is the best grass for stockpile grazing.

Establishment

Tall fescue is easy to establish; but remember, a good seedbed is at the heart of excellent stands of hay or pasture. It can be no-tilled into existing alfalfa stands (0.25 to 0.50 inch deep) immediately after harvest. (Talk to your dealer about the proper timing for your area.) When seeding in a prepared seedbed, make sure sufficient packing has been done before and after seed is put down. Also, 20 to 30 units of N at seeding is necessary for a faster establishment.

Kora

ZONES: 1, 2, 3, 4, 5, 6

- This Superbowl winner is best used in hay/haylage situations where its high forage quality and extreme yields really shine.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Good
Stockpiling	Excellent

KingFisher 100% REPLANT · World Forage Analysis Superbowl · USDA ORGANIC · *Untreated Seed*

Kora is the best tall fescue for hay. Kora maintains high dry matter productivity typical of tall fescues, plus very high digestibility!

BarElite

ZONES: 1, 2, 3, 4, 5, 6

- A soft-leafed variety that works well in grazing and hay production situations.
- Impressive digestibility and yield.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Good
Stockpiling	Good

KingFisher 100% REPLANT · World Forage Analysis Superbowl · *Untreated Seed*

Tower Protek

ZONES: 1, 2, 3, 4, 5, 6

- All the advantages of Tower with a novel endophyte to ensure better persistence and heat tolerance.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Good
Stockpiling	Good

KingFisher 100% REPLANT · *Untreated Seed*

BarOptima Plus E34

ZONES: 3, 4, 5, 6

- A medium-maturity fescue with a beneficial endophyte for excellent persistence.
- The soft leaf ensures the highest forage quality available in a fescue.

Maturity	Medium
Hay Production	Excellent
Grazing Preference	V. Good
Winter Hardiness	Good
Stockpiling	Good

KingFisher 100% REPLANT · *Untreated Seed*

Martin 2 Protek

ZONES: 5, 6

- This tall fescue variety developed in Missouri ensures good performance in the South.
- Martin 2 has high forage yield and great grazing palatability.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Good
Stockpiling	Excellent

KingFisher 100% REPLANT · *Untreated Seed*

Tower

ZONES: 1, 2, 3, 4, 5, 6

- The best dual purpose fescue from DLF, this highly digestible grass can be used for grazing or hay production.
- Excellent yield and persistence.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Good
Stockpiling	Good

KingFisher 100% REPLANT · World Forage Analysis Superbowl · *Untreated Seed*

LiPalma Tall Fescue

ZONES: 1, 2, 3, 4, 5

- A very winter-hardy variety selected for digestibility and very high yield.

Maturity	Late
Hay Production	Excellent
Grazing Preference	Good
Winter Hardiness	Excellent
Stockpiling	Excellent

KingFisher 100% REPLANT · USDA ORGANIC · *Untreated Seed*

Italian Ryegrass

Description

Italian ryegrass (IRG) is a cool-season biannual plant that requires vernalization (a period of cold and reduced day length) to initiate heading. IRG is extremely high-yielding and is typically the highest-quality, most-digestible grass of all. Its low cost and ease of seeding make it an excellent choice as either a nurse crop for other species or a great short-term forage in all Upper Midwest growing zones.

IRG is often used as a nurse when seeding alfalfa, tall fescue, orchardgrass and meadow fescue, with only about 2 pounds of IRG required. IRG makes excellent haylage or baleage, but it does not dry well for hay.

Management

Successful use of IRG requires aggressive management and high fertility. If there are a lot of nutrients on a farm, IRG can be a good choice to utilize and recycle those nutrients. It can be easily used to extend thinning alfalfa or mixed stands for one more year, resulting in high yields of excellent quality forage without the hassle of a total stand renovation.

With its soft leaves, clear stands of IRG are better suited to mechanical harvest with a discbine than a sicklebar. IRG also needs to be stored horizontally rather than in a vertical silo. It would be difficult to fill and to empty. Mixing IRG with other grasses or legumes alleviates these problems.

When IRG is sown in spring, very few seedheads will be observed throughout the seeding year. If IRG is fall sown, the plants will head profusely the following spring.

Establishment

IRG is very fast to establish, making it ideal for a spring nurse crop with other more perennial grasses. Planting depth should be 0.25 to 0.50 inch. Broadcast sowing into thin stands can sometimes be successful, but no-till drilling is the recommended method to thicken existing stands. Depending on the time of planting and conditions, the first harvest can come as early as 50 to 60 days after planting, and the first pasturing can take place in about six weeks or when the plant cannot be pulled from the ground.

SUITABLE SOIL TYPES

SEEDING RATES

25-40 lbs/acre drilled, 10-15 lbs/acre no-tilled into existing (but thin) stands

KF Allegro Italian Ryegrass ZONES: 1, 2, 3, 4, 5, 6

- A Superbowl Grand Champion, this diploid/tetraploid blend can give you the highest quality feed in just 40 days.
- Best in the North where it can yield as much dry matter as corn silage.

Tetraploid or Diploid	Both
Yield	Excellent
Winter Hardiness	Excellent
Grazing Tolerance	Excellent
Persistence	Excellent

Untreated Seed

KingFisher 100% REPLANT · World Forage Analysis Superbowl · USDA ORGANIC

Perennial Ryegrass

Description

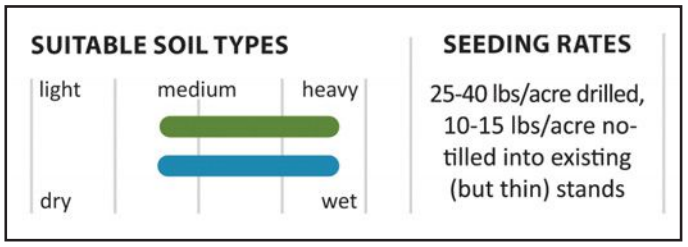
Globally, perennial ryegrass (PRG) is the most widely used grass for grazing because of its aggressive growth and high-quality forage. PRG also makes excellent haylage or baleage, but it does not dry well for dry hay. With proper management and high fertility, PRG can be persistent for 5 to 7 years or more in the Midwest. All the PRG varieties that Byron Seeds selects have excellent grazing tolerance.

Management

Intensively managed pastures are a great place to use PRG, which requires aggressive management and high fertility. Residual heights for PRG can be lower than for other grasses. Grazing down to about 2 inches in spring and fall is recommended, and leaving higher residual of at least 3 inches in the summer helps persistence and overall productivity of the stand. PRG is not a good candidate for pairing with orchardgrass, which has taller residual requirements.

Establishment

PRG can be sown by itself (usually 30 lbs./acre) or sown in mixtures with legumes or other cool-season grasses. Planting depth should be between 0.25 and 0.50 inch. Broadcast sowing into thin stands is sometimes successful, but no-till drilling is the recommended method to thicken existing stands. Plants are ready for pasturing when they no longer can be pulled out by the roots (about 6 weeks) and are ready for harvesting in about 50 to 60 days.



KF Eclipse Ryegrass

ZONES: 1, 2, 3, 4, 5

- A very winter-hardy tetraploid and diploid blend that is great for grazing or haylage.
- Good persistence with resistance to stem rust.

Tetraploid or Diploid	Both
Maturity	Late
Winter Hardiness	Excellent
Persistence	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Kentaur

ZONES: 1, 2, 3, 4, 5

- A tetraploid with larger leaves for excellent forage quality.
- Very winter-hardy.

Tetraploid or Diploid	Tetraploid
Maturity	Mid
Winter Hardiness	Excellent
Persistence	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Kaiman

ZONES: 1, 2, 3, 4, 5

- A variety selected for high sugars and digestibility.
- High yields, especially in the first cutting.

Tetraploid or Diploid	Diploid
Maturity	Late
Winter Hardiness	Good
Persistence	Excellent

KingFisher 100% REPLANT USDA ORGANIC *Untreated Seed*

Festulolium

Description

Festulolium is a cross between a fescue and a ryegrass. While there may be thousands of ways to make crosses, most yield very heady grasses. In contrast, the varieties we offer you are the best in the world.

Management

Festulolium fertilizer requirements are intermediate between ryegrass and tall fescue.

Establishment

Seed is identical in size and weight to tall fescue and they mix well together without separating. Seeding rate as a nurse crop with tall fescue and alfalfa is 2 to 3 lbs. per acre. For pastures in the Upper Midwest, we use 5 lbs. per acre. For a pure stand, the seeding rate is the same as tall fescue. This is not commonly done as stand life is approximately 3 years with the first year being the most productive and declining from there on. However, this characteristic with its fast establishment makes it an excellent nurse crop for alfalfa and tall fescue.

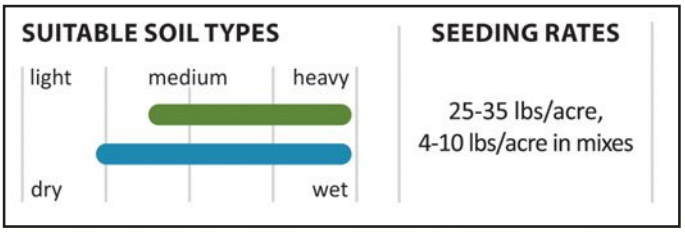
Perun

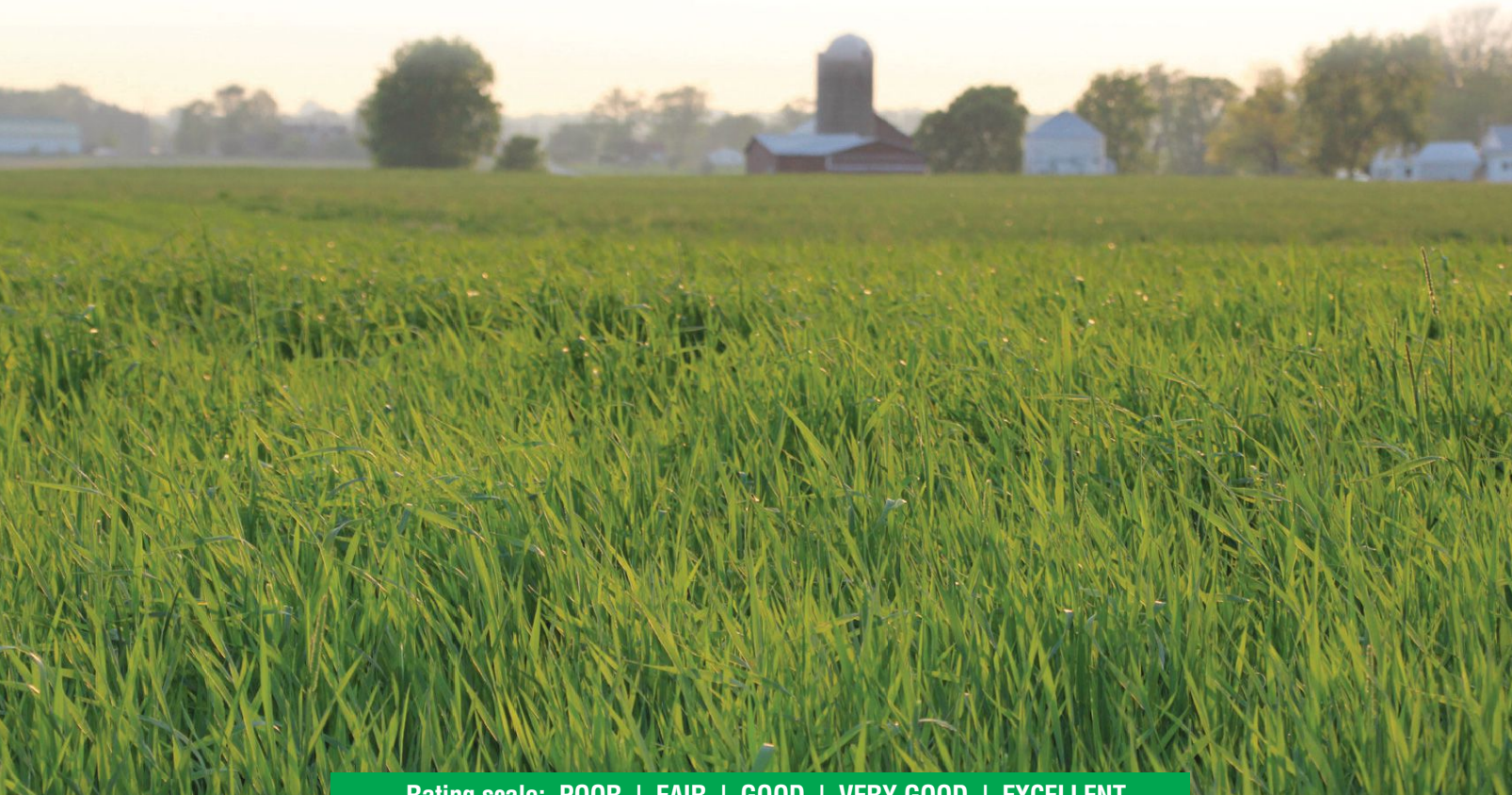
ZONES: 1, 2, 3, 4

- A meadow fescue/Italian ryegrass cross, Perun is a perfect nurse crop for new seedings as it establishes very quickly.
- Perun also works well extending the life of a pasture or hay field for a year or two.

Maturity	Late
Palatability	Excellent
Winter Hardiness	V. Good
Digestibility	Excellent
Grazing Suitability	V. Good

KingFisher 100% REPLANT | World Forage Analysis Superbowl | USDA ORGANIC | *Untreated Seed*





Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Kentucky Bluegrass

Description

Balin Kentucky Bluegrass may well be the world's most widely used Kentucky bluegrass—and for good reason. It has shown superior winter hardiness compared to many other bluegrass varieties, and its relatively tall growth habit makes it a much better forage producer than the common bluegrass that most producers are used to. If there is moisture, it will stay green into the summer—almost as long as tall fescue.

Management

Typically, 70% of bluegrass production is before June, hence its nickname "June Grass." Balin extends the growing period as long as there is moisture. This high-producing bluegrass can thrive in a more relaxed management system due to its superior summer production. Early heavy grazing prevents overmature, low-quality forage. And although Balin's rhizomatous root structure allows it to thrive on intensive grazing, any companion grasses will be stressed to their demise. Keeping a stubble height of over 2-3 inches increases Balin's tillering.

Establishment

Most bluegrasses take 21 to 28 days to establish. Balin, by contrast, establishes at 17 days. Seeding depth is 0.125 to 0.25 inch.

Balin — ZONES: 1, 2, 3, 4, 5, 6

- This may be the world's most widely used bluegrass because it has shown superior winter hardiness.
- Its tall growth and summer production make it a much better yielder than common bluegrass.

KingFisher 100% REPLANT *Untreated Seed*

Bromegrass

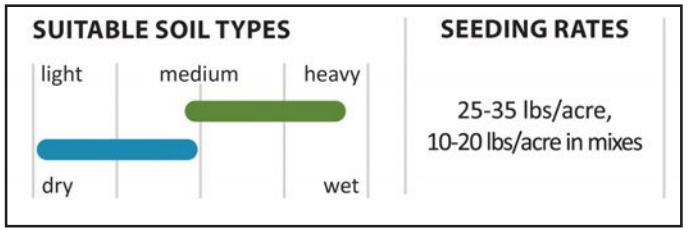
Description

Bromegrass is a diverse family with species that range from annuals to long-lived perennials. In our program, we concentrate on improved bromes that give increased yield and faster emergence than some other varieties.

All bromes are large-seeded and care must be taken to make sure the seed doesn't bridge in the drill. Also, bromes need to be seeded at the correct depth. Broadcasting is not recommended.

Management

Bromegrass requires high fertility levels and well-drained soils. Recommended seeding depth is 0.5 inch.



Hakari Alaskan Bromegrass — ZONES: 1, 2, 3, 4, 5, 6

- Hakari is a late maturing brome that both yields well and holds its quality even when headed out.
- Overall quality is better than orchardgrass.

KingFisher 100% REPLANT *Untreated Seed*

Cache Meadow Brome — ZONES: 1, 2, 3, 4, 5, 6

- This variety is very palatable and works well for grazing, even in dry weather conditions.

KingFisher 100% REPLANT *Untreated Seed*

Pasture Mixes

Description

Pasture mixes are very popular for good reasons. They're versatile and more forgiving of adverse soil and climate conditions than monocultures. However, mixes can require good management to keep ratios consistent. Byron Seeds uses a lot of trial experiments from across the Midwest to help put together compatible mixes.

Management

Use the equivalent of about 40 pounds of N to kick-start the seedlings. Clip the pasture when the seedlings are about 6 to 8 inches high to encourage density. Don't graze until firmly rooted. Rotational grazing is best to promote persistence. Manure or fertilizer in the fall will help with winter hardiness.

Establishment

An early fall planting is best using a Brillion seeder or drilled 0.25 inch deep into a well prepared seedbed. If a Brillion seeder or drill is not available, the seed can be broadcast and rolled firm with a cultipacker. We **do not** recommend broadcasting, and seed that is broadcast **is not** supported by our replant policy.

Make sure weeds are controlled before establishment. Spring planting is possible but competition must be suppressed. Most of the Upper Midwest is spring planted.

KF Grassworks® Grazing Mix

ZONES: 1, 2, 3, 4

- A mix developed especially for dairy quality (very high fiber digestibility/sugar) for the Upper Midwest with good winter hardiness.
- This mixture is selected for consistent palatability and high yield and milk production for dairy or stockers.

CONSISTS OF A SPECIAL MIX OF*:

Meadow Fescue	45%	Red Clover	12%
Festulolium	25%	White Clover	8%
Perennial Ryegrass	10%		

*Some percentages include seed coating

KF Grassworks® D

ZONES: 1, 2, 3, 4

- This mixture is for livestock owners that want diversity; includes forbs.
- This mixture brings a great selection for yield and milk/meat gain for dairy/stockers.

CONSISTS OF A SPECIAL MIX OF*:

Meadow Fescue	30%	White Clover	5%
Festulolium	15%	Alfalfa	5%
Orchardgrass	15%	Birdsfoot Trefoil	5%
Perennial Ryegrass	10%	Plantain	4%
Red Clover	8%	Chicory	3%

*Some percentages include seed coating

KF Premium Pasture Mix

ZONES: 1, 2, 3, 4, 5, 6

- A high-yielding quality mix that lends itself to a variety of soils, heavy or light.
- This mix is drought tolerant. It's very versatile in the North but use only on good soils in the South.

CONSISTS OF A SPECIAL MIX OF*:

Meadow Fescue	20%	Perennial Ryegrass	15%
Soft-Leafed Tall Fescue	20%	Kentucky Bluegrass	5%
Orchardgrass	15%	White Clover	5%
KF 403CR	15%	Red Clover	5%

*Some percentages include seed coating

KF Beef Builder

ZONES: 1, 2, 3, 4, 5, 6

- This is a high-performing pasture mix for finishing beef.
- This mix brings great quality for faster weight gains; withstands heavy traffic.

CONSISTS OF A SPECIAL MIX OF*:

Endophyte-Free Soft Tall Fescue	50%	Red Clover	10%
		Kentucky Bluegrass	5%
Orchardgrass	20%	White Clover	5%
Perennial Ryegrass	10%		

*Some percentages include seed coating

All pasture mixes are available with an organic coating.

KF Horsepower

ZONES: 1, 2, 3, 4, 5

- Horsepower is a premium mix selected for horses–hay or pasture.
- This high-quality mix tolerates close grazing and traffic.

CONSISTS OF A SPECIAL MIX OF:

Endophyte-Free Tall Fescue	40%	Orchardgrass	15%
Meadow Fescue	20%	Kentucky Bluegrass	5%
Festulolium	15%	Timothy	5%

Friendly Fescue Foundation

ZONES: 4, 5, 6

- A solid mix of tall fescues (of which 60% contain friendly endophytes) for your pasture foundation.
- Orchardgrass and bluegrass bring even more value and performance to this pasture mix.

CONSISTS OF A SPECIAL MIX OF:

Tall Fescue	90%
Orchardgrass	5%
Kentucky Bluegrass	5%

KF Horsepower Plus

ZONES: 1, 2, 3, 4, 5

- This premium mix is great for horses or sheep–pasture or hay.
- The white clover in this mix produces nitrogen and gives higher protein.

CONSISTS OF A SPECIAL MIX OF*:

Endophyte-Free Tall Fescue	40%	Kentucky Bluegrass	5%
Meadow Fescue	15%	Timothy	5%
Festulolium	15%	White Clover	5%
Orchardgrass	15%		

*Some percentages include seed coating

KF Supreme Pasture Blend

ZONES: 5, 6

- Novel endophyte fescue.
- High-yielding to various soil types.
- Hay or pasture production in the south.

CONSISTS OF A SPECIAL MIX OF:

Fescue	60%	Bluegrass	5%
Orchardgrass	20%	Timothy	5%
Red Clover	8%	White Clover	2%

*Some percentages include seed coating

KF Equine Blend

ZONES: 5, 6

- Hay and pasture production for the south.
- Safe for horses.
- Endophyte-Free.

CONSISTS OF A SPECIAL MIX OF:

Fescue	60%	Bluegrass	10%
Orchardgrass	25%	Timothy	5%

Sorghums

Sorghums used for forage are generally classed as forage sorghum, sorghum-sudan hybrids and sudangrass. Byron Seeds researches many varieties in field plots and selects the best for our KingFisher lineup.

Sorghums offer many advantages as superb summer forage:

- Outstanding forage nutritional quality attributes—especially Brown Mid-rib Gene 6 traits (BMR-6)
- Drought tolerance and greater water use efficiency
- Ability to plant later than corn while achieving similar biomass yields
- Lower soil fertility requirements than corn
- Outstanding rotational crop benefits
- Opportunity for livestock grazing during summer months

With less lignin than conventional sorghums, sorghums with the BMR-6 trait are extremely palatable with excellent fiber digestibility (NDFD). Because exceptional fiber digestibility fuels livestock performance, our sorghum lineups are exclusively BMR-6.

Whether you choose KingFisher, our premium line, or any of our other amazing summer annuals, you can be sure that their high fiber digestibility will have significant benefits for your herd as well as your wallet. And all members of our sorghum product line carry our 100% Replant Guarantee to cover any germination issues.

Most sorghum plants possess greater total leaf area than corn due to a greater number of nodes per plant (more nodes equal more leaves). Forage sorghums will have leaves similar in size to corn, while the leaves of sudangrass and sorghum-sudan will be smaller than those of corn.

Sorghums are extremely drought and heat tolerant and produce high yields with much less water than corn. Generally, sorghums will yield 1.75 to 2.5 tons of biomass per one inch of irrigation water, while corn produces less than one ton per inch of water applied. Sorghums also have a large, efficient root system capable of reaching soil profile depths of over five feet.

Sorghum's adaptive nature, high production and excellent fiber digestibility make it a valuable tool for forage producers demanding high-quality feedstocks.

Contact your local Bryon Seeds dealer to develop a plan to include sorghums in your summer crop rotation.

KF FiberPro 50

ZONES: 2, 3, 4, 5, 6

- KF FiberPro 50 is our shortest season brachytic dwarf.
- It is a very uniform hybrid with high yield and excellent quality.

Relative Yield	Excellent
Tillering	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT

Treated Seed *Untreated Seed*

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Forage Sorghum

Description

Forage sorghum, a row crop handled very much like corn for corn silage, offers a replacement for corn silage or multi-cut sorghum-sudans at a much lower seed cost. The cost to plant an acre of forage sorghum—usually $20 to $25—is a fraction of the cost to plant an acre of corn.

The brachytic dwarf option adds more leaves and less stalk (the leaf nodes are much closer together). In addition, brachytic dwarfs tend to exhibit more tillering, along with the extra leaves, to more than make up for the shorter height. Brachytic dwarfs are also much less vulnerable to lodging from high winds.

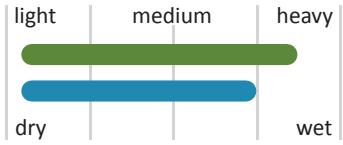
Our forage sorghums are available both untreated and with Concep II®.

Management

Forage sorghum is usually direct-cut with a forage harvester. The one struggle is having the forage dry enough to chop and store without having too much sorghum grain. The grain fills from top to bottom on the panicle (head) and becomes very hard with ripening, so the starch of the ripe grain will not be very digestible.

A big advantage of BMR Gene 6 forage sorghum over corn silage is that sorghums need about 33% less water and nutrients per ton of forage produced than corn silage. Sorghums love hot and dry climates, and therefore will be more productive than corn silage on marginal soils. Finally, sorghums have few insect problems (for example, corn borers and root worms), and mycotoxins are rarely a problem.

SUITABLE SOIL TYPES



SEEDING RATES

70-90K seeds/acre

Establishment

Forage sorghum is planted (after 60°F soil temps are reached) with a corn planter adapted for low-output sorghum since seeding rates are small. Forage sorghum can be planted in 15- or 30-inch rows. Sorghum seeding rates—planted on 30 inch rows: 5 to 7 lbs with a target of 70,000 plants per acre; planted on 15 inch rows: 7 to 9 lbs with a target of 90,000 plants per acre.

Forage sorghum emerges in about 10 days, after which the plants grow from 3 to 6 inches a day, depending on whether the temperature stays over about 70°F. Sorghums will not grow below 60°F, but they will not deteriorate like corn at temps above 105°F. When the temperature moderates a bit, the sorghum recovers quickly.

Byron's FiberPro 74

ZONES: 2, 3, 4, 5, 6

- This full-season brachytic dwarf forage sorghum has been well proven.
- It has superior density with excellent standability and high yield potential.

Relative Yield	Excellent
Tillering	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

KF FiberPro 70

ZONES: 2, 3, 4, 5, 6

- KF FiberPro 70 is our mid-to-full season forage sorghum.
- This brachytic dwarf has huge leaves with superior palatability.

Relative Yield	Excellent
Tillering	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

Byron's FiberPro 76A

ZONES: 2, 3, 4, 5, 6

- This is a full maturity, aphid-tolerant, brachytic dwarf forage sorghum.
- It's very high yielding with excellent standability, digestibility, and palatability.

Relative Yield	Excellent
Tillering	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

Byron's FiberPro 60A

ZONES: 2, 3, 4, 5, 6

- This is an aphid-tolerant brachytic dwarf forage sorghum with medium maturity.
- It has an extremely high leaf-to-stem ratio and excellent standability.

Relative Yield	Excellent
Tillering	Excellent
BMR Gene	6
NDFD	Excellent

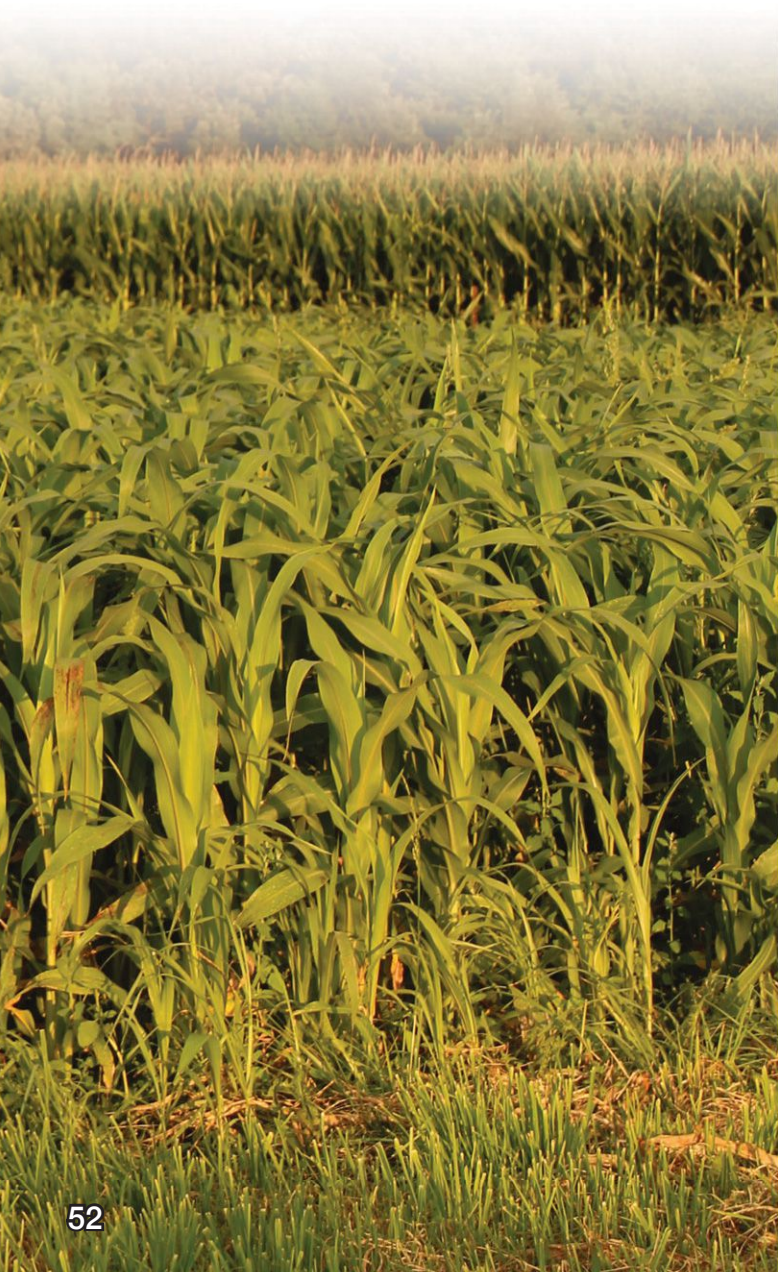
KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

BMR Gene 6 Sorghum-Sudan

Description

Sorghum-sudan crosses are a warm-season, or C4, grass. Because warm-season grasses process sunlight into sugars (photosynthesis) differently than do cool-season (C3) grasses, sorghum-sudan:

- must be planted after soil temperatures reach 60°F and are rising.
- grow very little at temperatures lower than 60°F.
- grow best at 77°F and higher.
- will produce a ton of silage with half the rain or irrigation needed by corn silage.



After germination, sorghum-sudans thrive in hot, dry weather. They die soon after a freeze.

These forages produce quick tons of highly digestible (high-energy) silage or pasture; they are an excellent source of pasture for the hottest months.

BMR (brown mid-rib) is a natural trait (not GMO) that produces lower levels of lignin in these plants. BMR Gene 6 is the highest BMR level, meaning that it contains the lowest level of lignin of any sorghum or sudan. This trait transforms sorghum products into highly digestible feed that fuels livestock performance. All the sorghum-sudans in the Byron Seeds lineup are BMR-6.

Brachytic dwarf sorghum-sudans (a natural trait) provide some good benefits:

- Shorter residual cutting height
- Shorter space between leaves for better leaf-to-stem ratio
- Shorter stalk but with more leaves, a quality improvement
- Higher tillering capacity

Management

Sorghum-sudan will be harvested for baleage or haylage about 45 days after planting. Grazing is usually initiated a week to 10 days earlier. KF SugarPro 55 is mowed when it reaches a height of 38-40 inches.

Residue heights are also important. Brachytic dwarfs can be mowed with a 4-inch residue, one reason for their popularity. Non-brachytic versions must be mowed with at least 6 inches of residue (above the second growth node) to promote rapid regrowth. Caution: Regrowth can be almost zero if the residual is too short.

Fertilizer needs are 1.0-1.25 units of nitrogen per growing day, i.e., 45-50 units for the first cut and 30-35 units for each subsequent cut. Potassium, phosphorous and sulfur are also needed on most farms. All fertilizer needs are the equivalent of the needs for 100-bushel corn.

Manure can be used for the original application of fertilizer; however, commercial nitrogen is the best source after a cutting. Nitrogen needs for grazed sorghum-sudan must be reduced proportionally so that cows can be brought in to graze earlier without danger of nitrate poisoning. Sorghum-sudan should not be grazed for 7-10 days after a killing frost as it takes about seven days for the prussic acid produced by the frost to dissipate.

BMR Gene 6 Sorghum-Sudan – cont.

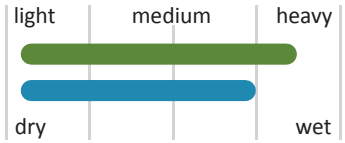
Establishment

Sorghum-sudan usually emerges in about 10 days and then can grow 3-6 inches per day. A conventional or no-till drill is used for the seeding, and planting depth should be 1.0-1.5 inches.

Planting after a small grain crop (rye or triticale, for example) requires dealing with the allelopathic effects from the dying grain plants. This can be accomplished with either minimum tillage or heavy application of liquid manure.

Because no herbicides are available for sorghum-sudan, weed-management activities must precede planting.

SUITABLE SOIL TYPES



SEEDING RATES

35-50 lbs./acre

KF SugarPro 55

ZONES: 2, 3, 4, 5, 6

- Expect high yields with tonnage being leaves rather than stalk.
- Easy to double-crop with cool-season annual grasses and legumes.

Relative Yield	Excellent
Regrowth	Excellent
Disease Tolerance	V. Good
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT USDA ORGANIC *Treated Seed* *Untreated Seed*

KF Summer Supreme

ZONES: 2, 3, 4, 5, 6

- Summer Supreme is a blend of four premium sorghum-sudans that excel in regrowth, cold tolerance, disease resistance, and drought tolerance.
- This blend brings yield and resilience above what each variety could do by itself.

Relative Yield	Excellent
Regrowth	Excellent
Disease Tolerance	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

KF Summer Dream

ZONES: 2, 3, 4, 5, 6

- Summer Dream is a blend of three brachytic dwarf sorghum-sudans.
- This strategic blend brings the best of brachytic dwarfs for high yield, excellent quality, and fast regrowth.

Relative Yield	V. Good
Regrowth	Excellent
Disease Tolerance	Good
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

KF Summer Prince

ZONES: 2, 3, 4, 5, 6

- Summer Prince is a blend of photo-period-sensitive sorghum-sudans.
- The photoperiod-sensitive maturity allows for excellent multicut management.
- In systems that focus on single cut management, this blend is an excellent tonnage producer and can provide some flexibility in harvest timing.

Relative Yield	Excellent
Regrowth	V. Good
Disease Tolerance	V. Good
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT *Treated Seed* *Untreated Seed*

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

BMR Gene 6 Sudangrass

Description

Our sudangrass hybrid is a very aggressive, drought-tolerant summer annual. It emerges more quickly and has faster regrowth than sorghum-sudan as well as finer stems that contribute to its superior quality.

Management

Sudangrass can be grazed or cut for baleage or haylage with an optimum grazing height of 30 inches and an optimum harvest height of 40 inches. Residual height (when recutting is planned) is 6 inches.

In southern zones, sudangrass can be made for dry hay, but it must be cut to 30 inches to achieve drydown. It responds well to applied fertility or manure. Timely cutting (45 days after planting and 30 days for subsequent cuts) is important because quality will decline as sudangrass reaches maturity.

Because sudangrass is highly sensitive to all herbicides, weed prevention—including starting with a clean field—must be done before planting. Sudangrass should not be grazed for 7-10 days after a killing frost as it takes about seven days for the prussic acid produced by the frost to dissipate.

Establishment

Sudangrass is easy to establish, but it does require 60°F soil temperatures (and rising) before planting. Seeding rates are 20-25 pounds per acre, with seeding at the higher rates providing the best yield and weed suppression. Seeding depth should be 0.75-1.0 inch. It is best to get the seed into the soil moisture.

If the seed will be interseeded into an existing hay or pasture stand, the grass should be cut very short to achieve good establishment.

EnergyPro 93

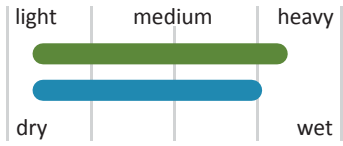
ZONES: 2, 3, 4, 5, 6

- EnergyPro 93 is very leafy with a fine stem and dry stalk with excellent heat and drought tolerance.
- High forage quality when harvested at 40 inches or less.

Relative Yield	Excellent
Regrowth	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT | USDA ORGANIC | *Treated Seed* | *Untreated Seed*

SUITABLE SOIL TYPES



SEEDING RATES

20-25 lbs./acre

AS9302 Sudangrass

ZONES: 2, 3, 4, 5, 6

- AS9302 is a brachytic dwarf—more leaves and less stalk.
- Only available in organic.

Relative Yield	Excellent
Regrowth	Excellent
BMR Gene	6
NDFD	Excellent

KingFisher 100% REPLANT | USDA ORGANIC

BMR Pearl Millet

Description

Pearl millet is a warm-season, annual grass with a growth habit like sorghum-sudan but without the potential for prussic acid poisoning. As a warm-season annual, pearl millet should be planted in the early summer and, like most crops, it will yield best in fertile, well-drained soils. However, it also will perform relatively well on sandy soils, acid soils, wet soils or when moisture and fertility are relatively low. Although millet seems to be utilized mainly for grazing, it can also be harvested for silage.

Pearl millet will provide grazing 45-60 days after planting with yields of over 6 tons of dry matter per year under good fertility.

Management

To avoid nitrate toxicity potential, do not apply excessive amounts of nitrogen or graze drought-stressed plants. Frost will kill pearl millet just as it kills sorghum-sudan.

Though rotational grazing will greatly improve grazing efficiency because managed grazing is more efficient, pearl millet may be continuously grazed. Grazing may be initiated after plants reach 18-20 inches or are cut at 24-30 inches.

Regrowth is best if a stubble height of 4-5 inches remains. An additional 40-50 units of nitrogen should be applied after first harvest or grazing to maximize regrowth.

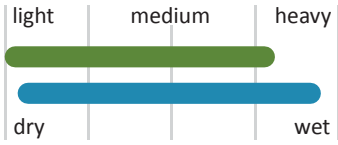
Establishment

Pearl millet should be planted in early summer when soil temperatures reach 60°F-65°F. It can be broadcast-seeded into a prepared seedbed or drilled. Broadcast-seed into firm soil, then cultipack for good seed-to-soil contact.

If pearl millet is drilled, the seeding rate should be 15-20 pounds per acre and the seeding depth 0.5-1.0 inch. For best results, soils should be soil tested and P_2O_5 and K_2O applied accordingly. In the absence of a soil test, 70-90 pounds of both P_2O_5 and K_2O should be applied along with 60-70 units of nitrogen at seeding.

Between 0.75 and 1.0 unit of nitrogen should be spoon-fed per growing day rather than applied all at once. In grazing situations, 0.5 unit of nitrogen per growing day will be more appropriate.

SUITABLE SOIL TYPES



SEEDING RATES

20-25 lbs./acre broadcast

15-20 lbs./acre drilled

KF Prime 360 Pearl Millet

ZONES: 2, 3, 4, 5, 6

- KF Prime 360 has high leaf counts for super yields; higher quality than sorghum-sudan.
- Prime 360 is excellent for summer grazing and has zero prussic acid potential in the fall.

Relative Yield	Excellent
Regrowth	Excellent
Disease Tolerance	Excellent
NDFD	Excellent

KingFisher 100% REPLANT *Untreated Seed*

Rating scale: POOR | FAIR | GOOD | VERY GOOD | EXCELLENT

Teff

Description

Teff, a warm-season annual grass native to Ethiopia, in recent years has attracted the interest of forage agronomists and producers for its contribution as a hay crop. It is characterized by a fairly large crown, many tillers, fine stems, a very shallow root system, rapid growth, and high tonnage capability.

Teff's maximum yield potential and quality expectations are not completely known. Two harvests per year are relatively commonplace, and many producers in warmer climates have reported three to four harvests per year. We have seen harvests yield 2.0-2.5 tons of dry matter per acre (DM/acre). Single harvests of 1.5 tons of DM/acre are probably more typical, with total yields for the growing season of 4-5 tons of DM/acre.

Although teff must be reseeded each growing season, it can be integrated into a forage program in a variety of ways, including as:

- A stand-alone grass hay crop for commercial sales or on-farm use
- An emergency hay or haylage crop that can be planted in June or July or later farther south
- A rotational hay crop that can be planted after harvesting cereals or annual ryegrass
- A break crop when renovating a perennial grass or alfalfa stand
- A fast-growing, self-limiting nurse crop for fall-seeded alfalfa
- A one-year grass component planted into a thinning alfalfa stand

Management

Teff should be fertilized with potassium and phosphorous at rates comparable to other forage grasses grown in your region. We recommend split-applying a total of 80-100 units of nitrogen per acre during the season. Apply the first 50 units at planting, and then apply the remaining N after the first or second harvest.

Teff's fine stem is a benefit with respect to forage quality and palatability. However, the fine-stemmed nature of the crop can cause lodging problems if it is not harvested at the proper maturity stage. To avoid lodging, harvest teff in the late vegetative stage, just prior to seed head emergence, at a cutting height of 24-30 inches with a 4-5 inch residue height.

Establishment

Seeding depth is 0.125-0.25 inch; seed no deeper. Excellent teff stands can be achieved using either no-till or conventional seeding methods. But broadcasting teff seed into a very firm, prepared seedbed may be the best option in field environments where tillage is environmentally acceptable. The importance of a firm seedbed cannot be overemphasized.

Teff seedings should not be made until the soil temperature has consistently reached 64°F. The recommended seeding rate is generally 4-5 pounds per acre for uncoated seed and 10-12 pounds per acre for coated seed.

Teff is not recommended as a grazing crop due to its very shallow root system. Grazing animals are likely to pull substantial numbers of teff plants out of the ground as they graze. If grazing is necessary, wait until one or two hay harvests have been completed before grazing to allow the roots more time to develop and become better anchored in the soil.

Cascade/Corvallis

ZONES: 1, 2, 3, 4, 5, 6

- Teff is excellent as dry hay or haylage and is very palatable for horses and cattle.
- Teff is very much like timothy hay in quality.

Relative Yield	Excellent
Regrowth	Excellent
Disease Tolerance	V. Good
NDFD	V. Good

KingFisher 100% REPLANT *Organic Coating Seed*

Forages to Maximize Your Growing Season

Description

If you're looking for ways to increase your farm's productivity and decrease ration costs, the easiest way to accomplish this is to plant annuals with high amounts of digestible fiber. Annuals can yield more than perennials and can help crop rations be more aggressive. Cool-season annuals like forage oats, annual ryegrass and brassicas will grow well into the fall and help shorten the winter. By planting warm- and cool-season annuals in sequence, you'll maximize every day you have.

If you are north of Interstate 80, instead of summer-seeding a new alfalfa crop, consider an annual cocktail mix. Yield Max is a combination of BMR sorghum-sudan, Italian ryegrass, two clovers and hairy vetch. The pairing of warm- and cool-season annuals lowers the risk that could come with a cool/wet or a hot/dry summer. And there's another bang for the buck: The ryegrass and clover stretch the growing season into the fall and act as a cover crop for the winter.

Summer Pro is a warm-season mix of sorghum-sudan and millet designed to create a stronger sward through two different rooting actions and to provide greater crop density. This mix helps you be successful on a wider range of soils and growing conditions and brings faster regrowth than sorghum-sudan alone.

Management

Summer Pro does best in the southern half of the Midwest. Suggested seeding rates are 25-35 lbs./acre.

Yield Max works great for very high-quality baleage, haylage or grazing and should be able to be harvested three times. Plant Yield Max in soils that are 60ºF at 40 lbs./acre. Yield Max does best in areas north of Interstate 80.

ForageMAXd is a blend of forage sorghum and photo-period sensitive sorghum-sudan to give a single cut of highly digestible fiber in 60 to 90 days.

ForageMAXd is designed for a cut and wilt system as direct chop will be too wet for storage. Suggested seeding rates are 20-25 lbs./acre.

ForageMAXd

ZONES: 2, 3, 4, 5, 6

- This mix brings a rapid canopy, massive tonnage, and excellent rooting to build soil.
- It's designed for high volumes of digestible fiber with a wide harvest window in mind.

CONSISTS OF A SPECIAL MIX OF:

BMR Photoperiod-sensitive Sorghum-Sudan	60%
BMR Forage Sorghum	40%

KingFisher 100% REPLANT *Untreated Seed*

Yield Max

ZONES: 1, 2, 3

- Yield Max, developed for the North, is an annual cocktail mix that is summer seeded.
- Yield Max pairs warm- and cool-season annuals to maximize every day of summer and fall.

CONSISTS OF A SPECIAL MIX OF:

BMR Sorghum-Sudan	60%	Berseem Clover	5%
Italian Ryegrass	25%	Hairy Vetch	5%
Medium Red Clover	5%		

KF Summer Pro

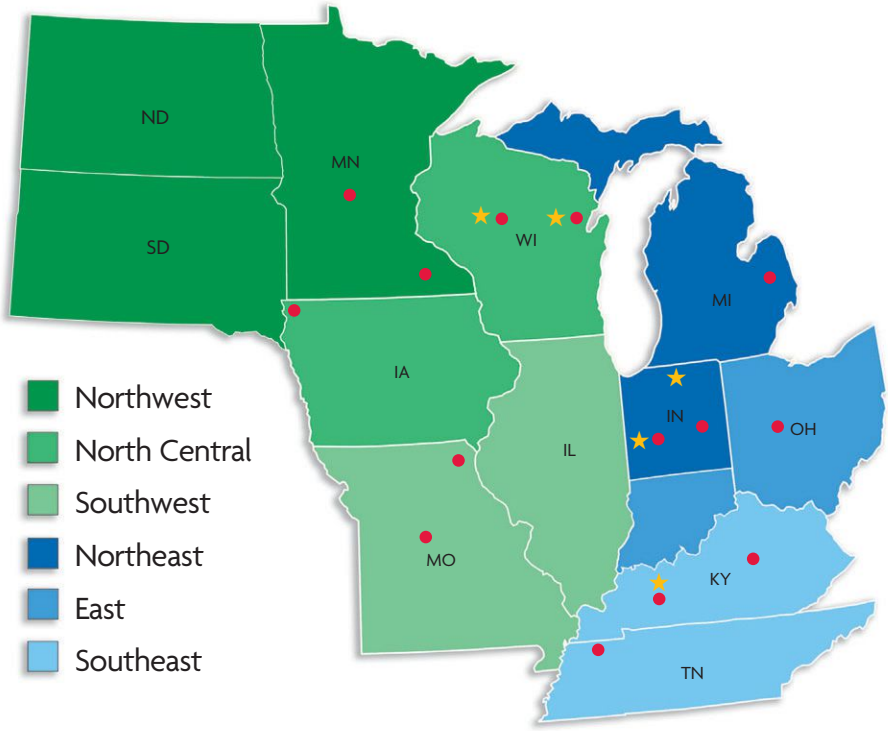
ZONES: 4, 5, 6

- KingFisher Summer Pro is a mix developed for the South.
- This mix increases crop density, creates a stronger sward, reduces risk, and re-grows quickly.

CONSISTS OF A SPECIAL MIX OF:

BMR Sorghum-Sudan	60%	BMR Millet	40%

KingFisher 100% REPLANT *Untreated Seed*



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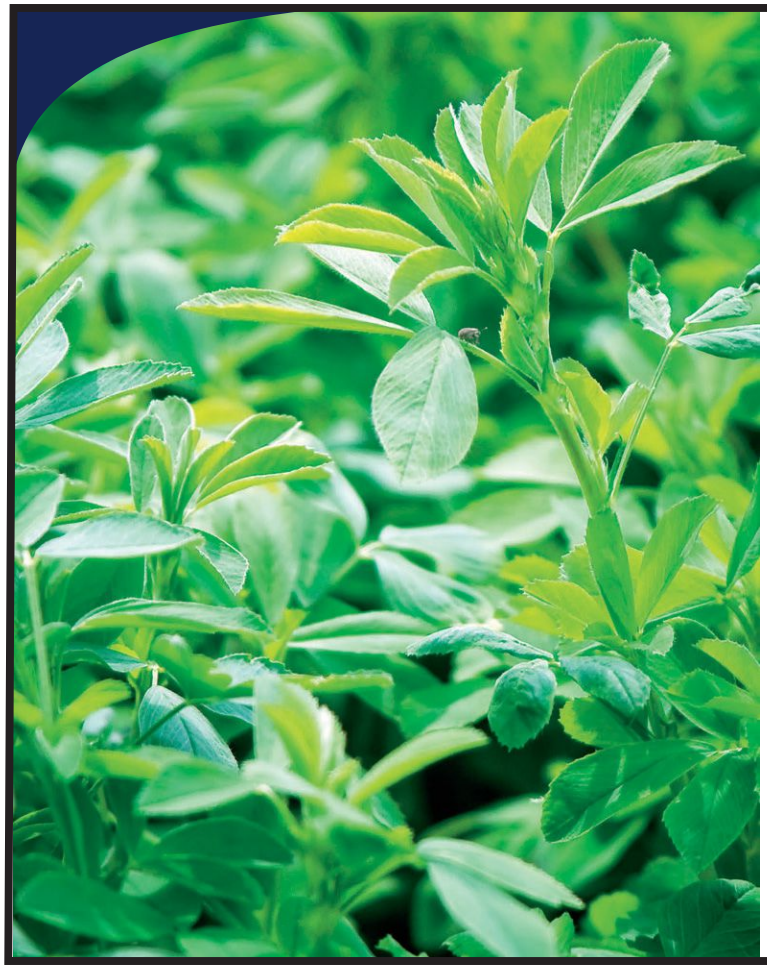

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