



**MERIT
SEED®**

SELLING HIGH QUALITY SEED SINCE 1936

2024 Product Guide



**www.meritseed.com
Berlin, Ohio**



COMPANY HISTORY

In 1936, BJ Yoder began the Yoder Hybrid Corn Company to provide unsurpassed quality seeds to the agricultural industry that still dominates the region today. Three generations later and a name change to accommodate the diversity of the company, Merit Seed continues to be a premier supplier of organic, conventional and herbicide-tolerant seeds that farmers have come to trust.

Over 85 years in business, Merit Seed has been able to keep up with the ever-changing agricultural needs of the community and beyond. Serving Holmes, Tuscarawas and Wayne counties, we at Merit Seed also work closely with farmers and dealers in 13 states across the United States.



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2024 Product Guide

TABLE OF CONTENTS

Corn	1
Merit Organics	10
Alfalfa	13
Orchardgrass	15
Clover	16
Ryegrass	17
Timothy	18
Fescues and Sudangrass	19
Brassica	21
Grain and Covercrops	23
Pasture Mixes	25
Information and Planting Guides	27
Lawn Seed	31

2024 CONVENTIONAL CORN

1086

85-Day Maturity

An early dual purpose hybrid. Very good for corn on corn. Widely adapted Artesian® corn with great drought resistance.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Good		

Picker/Sheller/Silage

Population: 28,000 - 32,000

3636

92-Day Maturity

A widely adapted dual purpose hybrid with consistent ears. Very good for corn on corn.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med-High	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Fair		

Picker/Sheller/Silage

Population: 26,000 - 30,000

2093

93-Day Maturity

A widely adapted dual purpose Artesian® hybrid. Great drought tolerance and excellent early vigor.

Plant Height	Tall	Early Vigor	Excellent
Ear Type H	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Good
Protein	Med-High	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Very Good		

Available in 2092 DV

Picker/Sheller/Silage

Population: 28,000 - 32,000

4122

95-Day Maturity

An excellent dual purpose hybrid with flex ears. Great for early no-till on various soils.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Good		

Available in 4123 V

Picker/Sheller/Silage

Population: 26,000 - 30,000

4745

98-Day Maturity

This is a "highly digestible" white cob corn. Excellent for heat and drought stress. Excellent grain quality.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	Most(no muck)	Silage	Excellent
Tar Spot	Good		

Picker/Sheller/Silage

Population: 28,000 - 32,000

4848

100-Day Maturity

A medium tall plant with uniform flex ears. Very good late season plant health. Performs best in a rotation.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Good
Tar Spot	Good		

Available in 0-4800

Picker/Sheller/Silage

Population: 26,000 - 30,000

104-Day Maturity

Plant Height	Med-Tall	Early Vigor	Good
Ear Type H	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Good
Protein	Med	Dry Down	Excellent
Soil Type	All	Silage	Excellent
Tar Spot	Fair		

Population: 26,000 - 32,000

107-Day Maturity

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	H Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Excellent
Protein	Med-High	Dry Down	Very Good
Soil Type	All	Silage	Excellent
Tar Spot	Very Good	Available in 6037GT	

Population: 24,000 - 30,000

[illegible]

2

2024 CONVENTIONAL CORN

6800

107-Day Maturity

A medium tall plant with high quality grain. Excellent gray leaf spot resistance. Great for corn on corn.

Plant Height	Med-Tall	Early Vigor	Good
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Excellent	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Fair		

Picker/Sheller/Silage

Population: 26,000 - 32,000

511

108-Day Maturity

A white cob that is "highly digestible". This is a working machine that makes excellent silage.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type H	Girthy,Long	Leaf Type	Semi-Upright
Test Weight	Excellent	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	Sandy/Loam	Silage	Excellent
Tar Spot	Good		

Picker/Sheller/Silage

Population: 25,000 - 29,000

6595

108-Day Maturity

A medium tall plant with a white cob. Great for dual purpose. Performance is better in a rotation.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	Most (No Muck)	Silage	Excellent
Tar Spot	Very Good		

Picker/Sheller/Silage

Population: 24,000 - 28,000

7130

110-Day Maturity

Girthy ears with deep kernels. Dark green leaves. Excellent stress and disease tolerance. Great for corn on corn and silage

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med-High	Dry Down	Good
Soil Type	Most-no muck	Silage	Excellent
Tar Spot	Very Good		

Picker/Sheller/Silage

Population: 28,000 - 32,000



2024 SYNGENTA CORN TRAITS

2092 DV

93-Day Maturity

A stacked DuracadeViptera™ dual purpose hybrid. Great drought tolerance with excellent early vigor.

Plant Height	Med Tall	Early Vigor	Excellent
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Good
Protein	Med-High	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Very Good		

Available in 2093

Picker/Sheller/Silage

Population: 28,000 - 32,000

4123 V

95-Day Maturity

A stacked Viptera® dual purpose hybrid with flex ears. Great for early no-till on various soils.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Good		

Available in 4122

Picker/Sheller/Silage

Population: 26,000 - 30,000

4931 D

99-Day Maturity

A stacked Duaracade® hybrid with excellent vigor. Great for dual purpose.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med-High	Root Strength	Good
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Excellent		

Picker/Sheller/Silage

Population: 28,000 - 34,000

5519 DV

103-Day Maturity

A stacked DuracadeViptera™ hybrid with outstanding test weight and early vigor. Excellent plant health and intactness.

Plant Height	Tall	Early Vigor	Excellent
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Excellent	Stalk Strength	Excellent
Ear Height	Med-High	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Excellent
Soil Type	Most	Silage	Excellent
Tar Spot	Very Good		

Picker/Sheller/Silage

Population: 28,000 - 34,000

5104 GT

104-Day Maturity

A medium tall wide leaved flex eared hybrid. Takes heat and drought stress very well. Great on various soil types.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type	Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med-High	Root Strength	Very Good
Oil	Med	Stay Green	Good
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Excellent
Tar Spot	Good		

Picker/Sheller/Silage

Population: 24,000 - 30,000

6027 GT

107-Day Maturity

Exceptional ear flex with solid stalks and strong roots. Top ends yields on better, rotated soils. Great stress tolerance.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Excellent
Protein	Med-High	Dry Down	Very Good
Soil Type	All	Silage	Excellent
Tar Spot	Very Good		

Available in 6026

Picker/Sheller/Silage

Population: 24,000 - 30,000

2024 SYNGENTA CORN TRAITS

6832 D

108-Day Maturity

A stacked Duracade® hybrid that excels on better soils. Very good for corn on corn.

Plant Height	Tall	Early Vigor	Very Good
Ear Type	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med-High	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Very Good
Soil Type	Most	Silage	Very Good
Tar Spot	Very Good		

Picker/Sheller/Silage

Population: 28,000 - 32,000

7382 DV ^{NEW!}

111-Day Maturity

A stacked DuracadeViptera™ hybrid. Very attractive plant appearance with good tolerance to tar spot.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med-Low	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med-High	Dry Down	Good
Soil Type	Most	Silage	Excellent
Tar Spot	Excellent		

Picker/Sheller/Silage

Population: 28,000 - 34,000

Agrisure®, Artesian®, Duracade®, DuracadeViptera™, Viptera® and E-Z Refuge® are Trademarks of a Syngenta Group Company.

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.



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as 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 the most recent stewardship requirements.



The Duracade® trait stack provides multiple modes of action against corn rootworm and corn borer, as well as suppression of ear-feeding insects. This trait stack includes a novel, alternate mode of action to help preserve trait durability and delay insect adaptation for long-term field health, and the convenience of an integrated E-Z Refuge® seed blend.

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



The Viptera® trait stack offers the most comprehensive above-ground insect control of ear-feeding insects, multiple modes of action against key above-ground insects and the convenience of an integrated E-Z Refuge® seed blend. It is ideal in areas where corn rootworm management is not a primary concern. The Viptera® trait stack features the only trait technology available today that effectively controls western bean cutworm to help protect genetic yield potential.



The DuracadeViptera™ trait stack 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.



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.



CORN TRAIT TECHNOLOGY INCORPORATED INTO THESE SEEDS IS COMMERCIALIZED UNDER LICENSE FROM SYNGENTA SEEDS, LLC. HERCULEX® TECHNOLOGY INCORPORATED INTO THESE SEEDS IS COMMERCIALIZED UNDER LICENSE FROM CORTEVA AGRISCIENCE LLC. HERCULEX® AND THE HERCULEX SHIELD ARE TRADEMARKS OF CORTEVA AGRISCIENCE LLC.



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, POSTEMERGENT WEED CONTROL OF LIBERTY® HERBICIDE FOR OPTIMUM YIELD AND EXCELLENT WEED CONTROL. LIBERTYLINK®, LIBERTY® AND THE WATER DROPLET LOGO ARE REGISTERED TRADEMARKS OF BASF.

2024 CERTIFIED ORGANIC CORN

0-3761

94-Day Maturity

A widely adapted hybrid with girthy flex ears. Excellent late season intactness.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Girthy-Flex	Leaf Type	Slightly-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Good
Tar Spot	Good		

Picker/Sheller/Silage

Population: 26,000 - 30,000

0-3238

98-Day Maturity

A medium height plant with wide leaves. Excellent late season plant health and test weight. High quality grain.

Plant Height	Med	Early Vigor	Excellent
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Excellent	Stalk Strength	Excellent
Ear Height	Med	Root Strength	Very Good
Oil	High	Stay Green	Excellent
Protein	High	Dry Down	Good
Soil Type	All	Silage	Good
Tar Spot	Good		

Picker/Sheller/Silage

Population: 26,000 - 30,000

0-4800

100-Day Maturity

A medium tall plant with uniform flex ears. Very good late season plant health.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	All	Silage	Good
Tar Spot	Good		

Available in 4848

Picker/Sheller/Silage

Population: 26,000 - 30,000

0-5345

103-Day Maturity

A white cob that is "highly digestible". Excellent early vigor. Flex ears with deep kernels. Excellent early silage, high in starch.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Good
Protein	Med	Dry Down	Very Good
Soil Type	All	Silage	Excellent
Tar Spot	Good		

Picker/Sheller/Silage

Population: 26,000 - 29,000

0-5454

104-Day Maturity

A wide leafed hybrid with flex ears. Great dual purpose use. A race horse hybrid on high fertility soil.

Plant Height	Tall	Early Vigor	Excellent
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Good
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Good
Soil Type	Most(no muck)	Silage	Excellent
Tar Spot	Very Good		

Picker/Sheller/Silage

Population: 26,000 - 30,000

0-6765

105-Day Maturity

Excellent early vigor. A white cob that is "highly digestible". Excellent dual purpose use. High in starch.

Plant Height	Med-Tall	Early Vigor	Excellent
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Good	Stalk Strength	Very Good
Ear Height	Med	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Very Good
Soil Type	Med-Heavy(no sand)	Silage	Excellent
Tar Spot	Good		

Available in 6745

Picker/Sheller/Silage

Population: 26,000 - 30,000

0-6160

106-Day Maturity

A tall plant with girthy semi-flex ears. Excels on variable soils at high plant populations. A workhorse hybrid.

Plant Height	Tall	Early Vigor	Excellent
Ear Type	Semi-Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Excellent
Ear Height	Med-High	Root Strength	Excellent
Oil	Med	Stay Green	Excellent
Protein	Med	Dry Down	Very Good
Soil Type	All	Silage	Very Good
Tar Spot	Excellent		

Picker/Sheller/Silage

Population: 29,000 - 34,000

0-6969

107-Day Maturity

A medium tall hybrid with wide leaves and flex ears. Excellent dual purpose.

Plant Height	Med-Tall	Early Vigor	Very Good
Ear Type H	Flex	Leaf Type	Semi-Upright
Test Weight	Very Good	Stalk Strength	Very Good
Ear Height	Med-High	Root Strength	Very Good
Oil	Med	Stay Green	Very Good
Protein	Med	Dry Down	Good
Soil Type	Most(no muck)	Silage	Very Good
Tar Spot	Excellent		

Picker/Sheller/Silage

Population: 26,000 - 30,000



Notes:

1-10 (10 BEING THE BEST)										
	CORN	DAY	PLANT HEIGHT	EAR HEIGHT	TEST WEIGHT	STALK STRENGTH	ROOT STRENGTH	EARLY VIGOR	DRY DOWN	STAY GREEN
Conventional	1086	85	MT	M	8	10	10	10	8	10
	3636	92	MT	M	9	9	9	9	8	9
	2093	93	MT	M	9	10	8	10	8	8
	4122	95	MT	M	9	10	8	10	8	10
	4745	98	MT	M	9	9	8	9	8	9
	4848	100	MT	M	9	8	9	9	8	9
	5646	104	MT	M	8	9	9	8	10	8
	6026	107	MT	M	9	9	9	10	9	10
	6800	107	MT	M	10	9	9	9	10	8
	511	108	MT	M	10	10	9	10	8	9
	6595	108	MT	M	9	9	8	9	8	10
	7130	110	MT	M	9	10	10	9	8	9
Corn Traits	2092 DV	93	MT	M	9	10	8	10	8	8
	4123 V	95	MT	M	9	10	8	10	8	10
	4931 D	99	MT	MH	9	10	8	10	8	10
	5519 DV	103	T	MH	10	10	10	10	10	10
	5104 GT	104	MT	MH	8	9	9	9	8	8
	6027 GT	107	MT	M	9	9	9	10	9	10
	6832 D	108	T	MH	8	8	8	9	8	8
	7382 DV	111	MT	M	9	9	9	9	8	8
Organic	0-3761	94	MT	M	8	9	9	9	8	9
	0-3238	98	M	M	10	10	9	10	8	10
	0-4800	100	MT	M	9	8	9	9	8	9
	0-5345	103	MT	M	8	9	9	10	9	8
	0-5454	104	T	M	8	9	8	10	8	10
	0-6765	105	MT	M	8	9	9	10	9	9
	0-6160	106	T	MH	9	10	10	10	9	10
	0-6969	107	MT	MH	9	9	9	9	8	9
	0-6869	109	T	H	8	10	10	10	9	9

Organic Grazing

30% Organic Diceros Orchardgrass
25% Organic Melfrost Perennial Ryegrass
22% Organic Perseus Festulolium
15% Organic Melsprinter Italian Ryegrass
5% Organic Vytis Red Clover
3% Organic Jura White Clover

Organic Pasture Mix

40% Organic Melfrost Perennial Ryegrass
20% Organic Perseus Festulolium
10% Organic Switch Timothy
10% Organic Melsprinter Italian Ryegrass
10% Organic Hykor Tall Fescue
10% Organic Diceros Orchardgrass

Organic Milk Maker

22% Organic Diceros Orchardgrass
20% Organic Perseus Festulolium
20% Organic Melfrost Perennial Ryegrass
15% Organic Switch Timothy
15% Organic Melsprinter Italian Ryegrass
5% Organic Vytis Red Clover
3% Organic Jura White Clover

Organic Hayblend Plus

65% Organic Alfalfa Plus
20% Organic Vytis Red Clover
10% Organic Switch Timothy
5% Organic Alsike Clover

Organic Horse Pasture

40% Organic Melfrost Perennial Ryegrass
30% Organic Diceros Orchardgrass
15% Organic Switch Timothy
15% Organic Melsprinter Italian Ryegrass



Organic Alfalfa Plus

A great 2-3 year Alfalfa that is similar to Venus. Has a respectable disease resistance package. An excellent Alfalfa for crop rotation, but yet moderately priced. Does excellent in forage blends.

Organic Alfalfa Supreme

A tall, robust alfalfa variety with a dense, leafy canopy. Organic Alfalfa Supreme delivers top tonnage, while maintaining high-quality from early bud through to full bloom. Establishes quickly and holds a full and productive stand until it's plowed down.

Organic Alsike Clover

Great for wet soils that are less than perfect with low pH (down to 5.0). Very productive and fast establishing.

Organic Vytis Red Clover

Organic Vytis Red Clover is an early/mid early diploid clover resistant to diseases and lodging. It has high green mass yield, rapid spring growth and good lodging resistance. Organic Vytis Red Clover has good resistance to clover rot. Persistence for 3 years.

Organic Rozeta Red Clover

Rozeta red clover is a short lived perennial used to supply nitrogen. It fixes a lot of nitrogen even in high-nitrogen soils. It has shade tolerance so it can be over seeded and incorporated in May of the following year. Since red clover seedlings tend to be slow growing, it benefits from a nurse crop.

Organic Switch Timothy

Organic Switch Timothy is a productive forage grass with high digestibility. It is an important partner in mixtures for grazing or for pure seeding. Organic Switch Timothy is early-medium to head with great winter hardiness and high dry matter yields.

Organic Tenho Timothy

Tenho Timothy grass is a winter hardy, perennial, cool-season forage grass praised for producing high quality hay and forage. Tenho is persistent and highly productive for hay and pasture mixes when it is not overgrazed. It is highly palatable and can be a great companion to mix with perennial clovers, alfalfa, orchardgrass and other grasses and legumes with similar growing seasons.

Organic Perseus Festulolium

Perseus looks and behaves similar to an Italian ryegrass, but with better persistence. The yield potential, sugar content and palatability are very high. Festulolium is a cross between ryegrass and fescue.

Organic Soybeans Emerge 289 2.8 Maturity

The Emerge 289 Soybeans are tall, bushy type soybean. It will handle stress well and has an excellent tolerance to SDS. This is a true performer across a wide range of conditions. It has excellent tolerance to SDS (sudden death syndrome) and has a black hilum.

Organic Melfrost Tetraploid Perennial Ryegrass

Melfrost is a tetraploid late-season variety. It is primarily characterised by its tremendously high yields and absolutely uniformly high yield distribution. At the same time, Melfrost exhibits extremely high persistence, combined with excellent winter-hardiness. Even when it comes to resistance to rust, Melfrost variety is second to none.

Organic Mesprinter Italian Ryegrass

Mesprinter has excellent yield characteristics and uniformly high yields. It also has extremely low susceptibility to diseases, particularly rust. Furthermore, Mesprinter exhibits high mass formation in the early development and low tendency to winterkilling.

Organic Jura White Clover

Trials show that small leaved white clover is most persistent in permanent pastures under grazing management. Jura is a small-leaved very persistent variety. It has short rhizomes and short leaf growth, which makes it suitable for both cattle and sheep farming as it tolerates close grazing and maintains a high proportion of clover in the sward. Jura has shown excellent resistance against strong and cold winter conditions.

Organic Hykor Tall Fescue

Organic Hykor Tall Fescue has high yield potential, persistence, drought resistance and tolerance to high level of subsoil water. Hykor can be used as substitute for meadow fescue with markedly higher yield as result. Hykor is suitable for silage mixtures, together with perennial ryegrass, hybrid ryegrass and red clover. Festulolium increases the persistency of the mixture due to the deeper root system and tolerance to dry conditions.

Organic Diceris Orchardgrass

Diceris is a late maturing orchardgrass with even yield distribution. The overall yield of the variety is very high. Diceris exhibits a particularly low susceptibility to diseases, especially rust.

Organic Pardus Meadow Fescue

Pardus is a meadow fescue belonging to the mid-season maturity group. Pardus is primarily known for its huge yield potential both in the first cut and in regrowth. Fast early development and rapid regrowth help to effectively suppress weeds. In addition, Pardus is extremely winter-hardy and persistent.

** items listed above are subject to change based on availability

Merit Gold II

Widely Adapted

Preferred Alfalfa Genetics

Merit Gold II has that extra quality plus high yields. Merit Gold II was selected from alfalfa lines which scored a winter survival score of 1.6 from Univ. of WI/MN trials. It is an ideal choice for the producer looking for that deep rich green foliage plus high yield with quality. Merit Gold II will branch root when conditions are wet and works great in heavy ground.

Winter Survival	1.6
Recovery	Very Fast
Wisc. Disease Rating	30/30
Leaf to Stem Ratio	Excellent
Fall Dormancy	3.8

"Ultra dark green foliage, yield and winter survival says it all!"

GA-378

Wetland

Preferred Alfalfa Genetics

A synthetic variety comprised of elite fall dormancy 5 plants selected for high forage yield, superior quality, and excellent winter hardiness. Medium early maturity to one-tenth flower. Fast recovery after harvest. No known soil type or management limitations.

Winter Survival	2.0
Recovery	Fast
Wisc. Disease Rating	30/30
Leaf to Stem Ratio	Excellent
Fall Dormancy	3.6

"Great choice for poorly drained soils.."

GA-339

Leafhopper

Preferred Alfalfa Genetics

This variety offers you the latest genetic resistance to the Potato Leafhopper. This alfalfa will give you a better yield than other Potato Leafhopper resistance alfalfa's even when leafhoppers are not a problem. The forage quality of GA-339 LH Brand is equal to some of the top varieties marketed today. GA-339 LH Brand has spring vigor and a great disease resistance package.

Winter Hardiness	Very Hardy
Recovery	Fast
Wisc. Disease Rating	30/30
Leaf to Stem Ratio	Excellent
Fall Dormancy	3.7

"The latest innovation in Potato Leafhopper Control."

GA-409A

All-Soil

Preferred Alfalfa Genetics

This variety will give you outstanding persistence and winter survival. GA-409 offers high yield plus great quality. This has very fast regrowth and deep green color. It handles all soil types and gives you an outstanding disease resistance package.

Winter Survival	1.9
Recovery	Very Fast
Wisc. Disease Rating	35/35
Leaf to Stem Ratio	Excellent
Fall Dormancy	4.3

"Has great resistance to the latest strain of aphanomyces."

Preferred Alfalfa Genetics

Venus is an excellent 2-3 pureline alfalfa with 85% multi-leaf expression with respectable disease resistance. An excellent choice for crop rotation, but yet moderately priced.

Winter Hardiness	Hardy
Recovery	Fast
Wisc. Disease Rating	20
Leaf to Stem Ratio	Good
Fall Dormancy	3

"A strong 3 year alfalfa with a good disease rating."

Preferred Alfalfa Genetics

All Star uses a combination of proprietary alfalfas and common varieties to produce a strong three year alfalfa. We guarantee a 24 disease rating, which gives you resistance to the five major diseases. This alfalfa blend is an excellent choice for the farmer who rotates crops but demands a yielding, quality alfalfa.

Winter Hardiness	Hardy
Recovery	Fast
Wisc. Disease Rating	24
Leaf to Stem Ratio	Good
Fall Dormancy	3

"A superior blend with consistent performance ."

Notes:

[illegible]

2024 MERIT ORCHARDGRASS

Sundown Orchardgrass

Sundown Orchardgrass was bred not only improved forage quality, but also for improved resistance to foliar diseases (such as leaf rust and leaf spot) which can adversely affect forage quality. Late maturity makes Sundown highly compatible in mixes with alfalfa, timothy and clovers. *Perennial*

Quick Draw Orchardgrass

Quick Draw was selected for its superior yields, disease resistance to leaf and stem rust and palatability. Quick Draw has excellent recovery after cutting with excellent drought stress. Its medium-late maturity provides excellent early spring forage for grazing, silage or hay. Quick Draw has very good winter survival. *Perennial*

Crown Royale Orchardgrass

Crown Royale was selected for its increased forage yields, tillering, and improved resistance to foliar diseases. It has topped the yield trials throughout most of the United States, producing up to 35% more forage than other grasses tested. Medium late maturity. *Perennial*

Tekapo Orchardgrass

Tekapo is the only true grazing orchardgrass on the market today! Tekapo has a low set crown with multiple tillers. Tekapo provides improved drought tolerance and disease resistance. Its long soft leafs also make it highly palatable and acceptable to livestock. Medium late maturity. *Perennial*

Useful Information: Orchardgrass

Background

Orchardgrass is a perennial, cool season, tall growing, bunch type grass. It starts growth early in spring. It is more tolerant of shade, drought, and heat compared to Timothy. However it also grows well in full sunlight. Orchardgrass is well adapted for mixtures with legumes such as alfalfa or red clover. It will generally persist longer than the other cool season grasses in frequently cut, properly managed alfalfa mixtures. Can be used for hay, green chop, silage, or grazing. Provides excellent feed for most classes of livestock. When used for grazing livestock, do not graze below three inches.

Soil Conditions

Orchardgrass has a dense root system that spreads by tillering, it does not have rhizomes or stolons. It will grow one to four feet in height and retain a high level of nitrogen. It grows well on many different soil types from clay to gravelly loams, performs best in a pH of 5.8 to 7.0.

2024 MERIT CLOVERS

Victory Red Clover

Victory Red Clover is recognizable with its large leaf and impressive leaf to stem ratio. This clover was selected from premium genetics to deliver high quality forage during multiple harvests over multiple years. Victory Red Clover has an excellent disease resistance package and persistence to ensure the high yields continue over the life of the stand. *Perennial*

Bearcat Red Clover

Bearcat Red Clover is a perennial clover adapted to all areas of the Northeast and Midwest. Bearcat is extremely persistent because of its high resistance to the major diseases that affect red clovers. Bearcat was developed to have excellent winter hardiness, better quality forage, and is a very high yielding clover with outstanding disease resistance. It has excellent persistence combined with strong spring green-up and fast recovery after cutting and heavy grazing. It may be seeded alone or used in mixes, an excellent clover for frost and dormant seeding. Outstanding choice for wet and lower fertility soil types that alfalfa can't tolerate. *Perennial*

Durana Clover

Durana Clover is a cool season perennial legume, a variety released by Pennington Seed with better yield and will provide longer life with a more persistent stand. Intermediate clovers have a medium leaf size and a leaf density that is very thick from the ground to the top of the plant and competes aggressively with weeds and grasses. Expect this clover to live several years longer than other types in similar climatic conditions. With protein levels of 25% and digestibility of over 75%. Durana will tolerate acidic soils and is an excellent pure stand. *Perennial*

Aberlasting White Clover

AberLasting Clover is a long-lived hybrid perennial that was developed by crossing Caucasian clover with White clover, making it very persistent and drought tolerant. It is nitrogen fixing, fast growing, high in protein and highly digestible. With stolons above ground and rhizomes below, making a faster recovery from heavy grazing. AberLasting is able to maintain its leaf water content for far longer than conventional white clover, and has also shown excellent tolerance of cold temperatures and freezing and has great tolerance to clover root weevil. Will thrive on soils with a pH is 5.5 or higher and performs well in a low light areas. *Perennial*

Merit Platinum Ladino White Clover

A rapidly-growing perennial generally lasting 3-5 years and spreads with prostrate stolon's that are 12-15 inches long. Platinum Ladino Clover is vigorous, highly winter-active and is an aggressive establisher. A high yielding legume that produces palatable forage. Performs best in heavy soils. Can be frost seeded into existing fields. *Perennial*

Jumbo Ladino Clover

Jumbo Ladino is a fast growing, more vigorous perennial-type white clover with larger than average leaf size. Jumbo can be used in new seedings or to over seed existing pastures. Jumbo is an excellent component in a grazing-type situation. Jumbo has superior disease resistance, high yield, and persistence. *Perennial*

2024 MERIT RYEGRASS

Enhancer Italian Ryegrass

Enhancer was developed under hot, arid conditions and offers improved performance through drought and high temperatures. It also has lower moisture levels and increased water soluble carbohydrates (sugars), so livestock are able to ingest greater amounts of plant material. This translates into higher daily weight gains in beef cattle and increased milk production in dairy cows. It has explosive establishment and is well-suited for grazing year round. *Annual*

Spring Green Festulolium

Spring Green has been selectively bred for cold tolerance. The relative feed value compares favorably with tetraploid ryegrass and is superior to many other species. In comparison to ryegrass, it produces longer under high summer temperatures. Spring Green mixes well with other grasses and legumes in a pasture mix. It is important to mow or graze Spring Green in a leafy and vegetative stage. *Perennial*

Albion Tetraploid Perennial Ryegrass

Albion offers excellent performance in areas that experience drought and high humidity. While Ryegrasses are not typically known for handling drought, Albion has shown excellent performance. This will produce plentiful, high quality forage long after other grasses have wilted and gone dormant. *Perennial*

TetraMag Hybrid Ryegrass

TetraMag is an excellent hybrid ryegrass with exceptional yield potential and a stand-life expectancy of 3-5 years. Highest ranking entry in Cornell University and University of Kentucky forage trials. This yield potential is due in part to TetraMag's unparalleled seedling vigor. Improved forage quality and continues to produce all season long. TetraMag readily establishes on loosened bare soil or in close cut harvested fields for cover crop use. *Perennial*

CONTACT US:

Physical Address: 4759 Township Road 366
Millersburg, Ohio 44654

Mailing Address: PO Box 205
Berlin Ohio 44610

Email: info@meritseed.com

Tuukka Timothy

Tuukka is an early maturing Timothy and recommended for hay, grazing, silage, or green chop. It provides a long lasting companion that will enhance other forages. Tuukka offers a high leaf-to-stem ratio and shows excellent re-growth after cutting or grazing, even after second and third cutting. *Perennial*

Titan Timothy

Titan Timothy is a late maturity timothy that responds extremely well to moisture and does well in cool areas with good drainage. Titan makes excellent hay for livestock and silage for dairy. It is tolerant of fall seeding and has excellent winter hardiness. Mixes well with legumes and has leafy regrowth. Very fast recovery after cutting. *Perennial*

Presto Timothy

Presto, a late maturing Timothy, responds extremely well to moisture and does well in cool areas with good drainage. It has great winter hardiness and is easily established. Presto makes excellent hay for livestock and silage for dairy. It was bred to coexist with other grasses and legumes and therefore is extremely persistent and reliable in all grass-legume mixtures. Presto also has proven itself to be consistent in producing high yields. *Perennial*

Climax Timothy

Climax Timothy is a leafy, fine stemmed cool-season perennial that has a shallow, compact and fibrous root system. It is used primarily for hay but is also used for pasture and silage. It is palatable and nutritious and makes a great companion grass for alfalfa or clover. Timothy thrives best in rich, moist bottomlands and in finer texture soils such as clay loams. Matures 7-10 days later than common timothy varieties.

Notes:

[illegible]

2024 MERIT FESCUES & SUDANGRASS

Rustler Tall Fescue

Rustler is an endophyte free Tall Fescue selected for its winter hardiness, high yields, and improved disease tolerance. It is a medium maturing variety with excellent spring green-up and seedling vigor. Excellent recovery after cutting. *Perennial*

Yukon Tall Fescue

Yukon tall fescue is a great choice for wet soils or fields with periodic flooding. Suited both for soils with high water tables or well drained soils. With its deep root system, Yukon tall fescue is a wetland grass that produces well during dry periods. It is a bunchgrass with basal leaves low on the plant making an excellent leafy pasture or hay. *Perennial*

Sweet Six BMR Dry Stalk Sorghum/Sudan

This hybrid produces a high tillering, high quality forage that has excellent early vigor. The high leaf-to-stem ratio means that you can count on high protein. The digestibility of this hybrid has been increased by 20% due to the BMR trait. With the dry stalk gene, harvest delays related to drying can be avoided. Typically, this hybrid is used in a rotational grazing or 1-3 cutting system allowing you to produce the maximum amount of forage. *Annual*

Hayking Hybrid Sudangrass

Medium, dark green leaves with a characteristic brown midrib. The brown coloring may also express at the stems. Adapted to all areas of the US where hybrid sudangrass or hybrid sorghum/sudan grass are normally grown. For direct pasture, dried hay, green chop or silage. HayKing's fine stems may help field dry down in humid production areas. A replicated milk output study documented a 5% increase in feed intake per day and a 12% increase in milk production per day when 18% of the TMR ration was HayKing versus Piper Sudangrass. A fast-growing hybrid with very fine stems, aggressive tillering and a mass of leaves at harvest maturity. *Annual*

This image shows a full page of blank, lined paper. It features approximately 28 horizontal blue or grey lines spaced evenly apart, typical of notebook paper. The lines extend across the entire width of the page, leaving small margins at the top and bottom. There are no vertical lines, text, or other markings on the page.

2024 MERIT BRASSICAS

Pasja Hybrid Forage

This is an early maturing hybrid forage brassica and is a cross between a forage turnip and a forage rape. Created for high performance and rapid growth with a high leaf to bulb ratio. It has excellent drought tolerance, good re-growth ability and highly palatable. Pasja may be planted in the spring for summer forage as well as summer planting for fall forage. Best on soils with a pH between 5.3 and 6.8. *Annual*

Purple Top Turnip

This nutritious turnip has the characteristic of growing with the globe exposed. The plant and roots are nutritious and protein filled. Fast-growing and high yielding. Turnips are a cool-weather crop and well adapted for the northern climate. The most vigorous root growth takes place during periods of low temperatures and they will reach maturity in about 55 days. Soil temperatures should be at least 50 degrees for germination. *Annual*

Appin Forage Turnip

This is created for fast, vigorous establishment and maturity as quick as 60-100 days. It is firmly anchored in the ground for minimum wastage. Appin has a significantly higher proportion of leaf yield compared to other turnips, and is multi-crowned for improved re-growth potential. The high leaf-to-bulb ratio results in a very leafy crop with high digestibility. High yielding, high quality variety designed for grazing and excellent forage. Appin bulbs have 6 to 10 growing points on top of the bulb allowing for more leaves and better regrowth. Will germinate when soil temperatures reach 50 degrees. *Annual*

Barkant Turnip

This is a very vigorous diploid turnip variety with a purple tankard type root. This variety has a very good leaf and root yield with high sugar and dry matter content. They perform well in cool moist soil conditions and mature in 60-90 days for excellent summer grazing. Seed can be no-tilled into suppressed sod or seeded into a conventionally prepared seedbed. Do not plant turnips for more than 2 consecutive years due to disease buildup. Fertilization enhances the productivity of turnips.

Annual

Forage Chicory

This is a high yielding, broad-leafed perennial herb that has excellent food value. It has been improved for greater disease resistance and is a very drought tolerant plant due to its long tap root which significantly increases survival under grazing. Oasis also breaks winter dormancy earlier and is well managed in a mix with clovers providing a longer growing season of high quality forage. A stand should last 3-5 years. Suited for moderately drained soils with medium-to-high fertility levels and a pH of 5.5 or greater. *Perennial*

Maris Kestrel Kale

This is a full maturity leafy kale variety with short low-fiber stems. It has good cold tolerance making it perfect for late season forage.

The kale greens are never bitter, and after hard fall frost become very sweet making them highly desirable and a favorite forage. Kale prefers a pH of 5.5 to 7.0. *Annual*

Bonar Forage Rape

This a late maturing rape with short stems and large paddle leaves. It produces very high quality forage yields with the crop ripening approximately 13-15 weeks after spring sowing. May be used as a stand alone crop and is a good addition in mixes of clover, turnips, and other brassicas. After a hard frost the leaves become very sweet and palatable. Bonar performs best when sown in moist soil where soil fertility is good. Prefers a pH between 5.5 and 7. *Annual*

Dwarf Essex Rape

This is a fast growing brassica that is heat, cold and drought tolerant. Dwarf Essex Rape is a green leafy fast growing plant that produces large flat leafs that will grow between 12 and 20 inches long, 8 to 15 inches wide and may grow to a height of two to four feet. Forage produced can contain 18-20% crude protein. Good cold tolerance allows for harvesting or grazing late into the fall and winter. Prefers a pH between 5.5 and 8.3. *Annual*



2024 MERIT GRAIN AND COVER CROPS

Frosty Berseem Clover

Berseem clover tends to establish very easily and works well when weed suppression and erosion control are goals of a cover crop system. This ultimately means berseem clover can be another species to consider as a late-summer crop. Planted in August through early September in most areas of the Corn Belt, it has the ability to grow about 12-16" before it's terminated by frost. The added growth helps protect soils from the winter and the low carbon/nitrogen ratio of this species means nitrogen is available quickly the following spring. *Annual*

Crimson Clover

This is a cool season reseeding annual legume with an erect growth habit and a shallow taproot system. Crimson is a widely adapted plant that tolerates different soil types and pH soils. Crimson also performs well in mixtures with small grains or late maturing clover. *Annual*

Fixation Clover

Fixation performs best when fall seeded. The rosette growth habit that hugs the ground assists Fixation in its ability to withstand cold temperatures. In laboratory studies Fixation survived an experiment in which clover plants were taken from 65 degrees Fahrenheit during the day and placed in a cold growth chamber overnight that was set at 5 degrees Fahrenheit. Fixation has survived winter temperatures as low as 5 degrees with no snow cover. In the early spring as temperatures begin to warm up, stems begin to elongate and quickly outgrow the weed population. *Annual*

Buckwheat

Buckwheat is a short season annual with a delicate, fibrous root system. Since it establishes quickly, it is useful for weed suppression. It also mellows the soil while improving aggregate stability. Buckwheat does well in low-fertility soils. It is a scavenger of phosphorus and calcium and mineralizes rock phosphate, making these nutrients available for later crops. Residue from the succulent buckwheat plants decomposes quickly. Buckwheat uses the shortest window of opportunity of any cover crop. *Annual*

Austrian Winter Peas

This is a cool-season, annual legume with good, nitrogen-fixing capabilities, that is well adapted to the northern climates. It is low-growing, viny legume which has been shown to fix over 200 pounds of nitrogen per acre per year under good conditions. As the name implies, has good winter hardiness and can be successfully grown when fall seeded. Peas are a great soil re-builder on a rotational basis as a green manure crop. *Annual*

Spring Forage Peas

These are an excellent choice to benefit a mix or planted as a stand alone crop. An exciting new variety of self-climbing forage peas that offers a leafy highly palatable forage with high dry matter yields. Plant in the early spring for a food source that is available for energy and protein needs. Planted in the early fall, especially with oats or winter wheat, it will create a high palatable forage that is available until a hard freeze. Packer Forage Peas have poor frost tolerance. Will grow in a wide variety of soils and will work well under a minimum tillage situation. *Annual*

Daikon Radish

This produces more root mass than oil seed radish. This large root system will pull nitrogen and nutrients deep within the soil and bring them back to the surface. Radish cover crop captures 150 to 200 pounds of nitrogen per acre before winter killing. Upon decomposition, the nitrogen becomes available to the next crops and the roots leave large holes in the ground that improve water infiltration and soil aeration leaving a thin film of residue covering the soil. Used as a cover crop to mine nitrogen and other nutrients in your soils. A good weed suppression, winter kills with low temperatures. *Annual*

Triticale/Pea 50/50 Mix

Triticale/Pea Mixture is composed of a Softer leaved Triticale for improved palatability and a true forage pea for improved tonnage and quality. The smaller seed size on the forage pea will allow for more peas in the field that assures greater opportunity for improved forage quality. Plant 100-120 pounds per acre and harvest approximately 60 days after planting (when peas start to bloom). Excellent for using as a cover crop for establishing alfalfa. Outstanding quality haylage/silage for improved animal production. *Annual*

Silage Corn Cover Crop Mix

This is a cover crop that is planted between rows of silage corn. It can be grazed after silage is harvested. Cover crop growth left until spring will make an excellent plow down. You will see a lot more growth after the silage is harvested. The best time to plant will be after the last time you cultivate. This blend can be planted with a canvas seeder or a battery operated seeder mounted on your cultivator.

This blend can greatly help with nitrogen fixing in your soil. It also helps suppression of weeds and helps to break up hard soils.

Seeding Rate: 17 lbs per acre

8 lbs Annual Ryegrass 46%

3 lbs Frosty Berseem Clover 18%

3 lbs Fixation Balansa Clover 18%

2 lbs Radish 12%

1 lbs Turnip 6%

2024 MERIT PASTURE MIXES

Cattle Master Hay/Pasture

This excellent blend of grass is easy to dry and ideal to mix with Clover and Alfalfa. The Inkeri Meadow Fescue in this blend is an improved variety that has excellent palatability and digestibility. Inkeri is high yielding with good regrowth. The orchardgrass is a late-maturing orchardgrass bred primarily for forage production. This means farmers should see very impressive dry matter production resulting in increased profits. It will be quick to establish for high forage production that has excellent rust resistance.

The timothy was selected with the serious forage producer in mind. This has superior ratings on a percentage of leaf to stem ratio and has the most desired trait of quick regrowth. This blend is easy to dry. Excellent choice for your field!

Merit Hay Maker

This excellent blend of grass is easy to dry and ideal to mix with Clover and Alfalfa. The Cache meadow brome in this blend is an improved variety that is very winter hardy and high yielding with good regrowth. Cache is a long-lived, rapid developing, leafy short rhizomes. The presence of awns, hairy leaves and stems, distinguish meadow brome from smooth brome.

The orchardgrass selected is a late-maturing, bred primarily for forage production. It will be quick to establish for high forage production that has excellent rust resistance. The other timothy added has superior ratings on a percentage of leaf to stem ratio and has the most desired trait of quick regrowth.

Merit Sheep Mix

60% Albion Perennial Ryegrass
22% Tekapo Orchardgrass
10% Presto Timothy
4% Endure Chicory
4% Merit Platinum Ladino White Clover

"Proven performer preferred by sheep farmers"

Merit Beef Mix

45% TetraMag Perennial Ryegrass
20% Rustler Tall Fescue
15% Quick Draw Orchardgrass
12% Albion Tetraploid Ryegrass
5% Victory Red Clover
3% Merit Platinum Ladino White Clover

"A hardy grazing mix with exceptional yield"

MacBeth Meadow Brome

- Very Winter Hardy • Shorter Rhizomes (doesn't become sod bound)
- Rapid Recovery & Regrowth • Good Summer Growth • High Yielding

MacBeth Meadow Brome is a long-lived, rapid developing, leafy short rhizomes. The presence of awns, hairy leaves and stems, distinguish meadow brome from smooth brome. MacBeth is used for pasture, hay and haylage. It is highly palatable to all classes of livestock. MacBeth is excellent when used as a companion for alfalfa. MacBeth is compatible with legumes and other grass species.

Inkeri Meadow Fescue

Inkeri is a great grass to use in the northern USA. Inkeri exhibits good winter hardiness and summer production. Inkeri will produce long, wide leaves making it an excellent choice for haying or pasture. Inkeri can be used in forage blends to improve summer productivity for grazing or hay production. Inkeri has an early spring growth, with a regrowth consisting mainly of leafy shoots. It is suitable for both cutting and grazing.

Cache Meadow Brome

Cache Meadow brome grass is a long-lived perennial that is suited for dryland or irrigated pasture. Meadow brome grass can extend the grazing season as well as increase total forage production. Cache provides faster germination, improved seedling vigor, vigorous regrowth after clipping and improved seed yield potential. High grazing tolerance and excellent winter hardiness.

Notes:

2024 MERIT MIX INFORMATION

Merit Milk Maker

20% Crown Royale Orchardgrass
20% Albion Perennial Ryegrass
20% Spring Green Festulolium
15% Enhancer Italian Ryegrass
15% Titan Timothy
7% Victory Red Clover
3% Merit Platinum Ladino White Clover
** Treated with Apex Green

"Very high quality grazing mix"

Horse Pasture Plus

25% Crown Royale Orchardgrass
20% Albion Perennial Ryegrass
20% Spring Green Festulolium
10% Climax Timothy
10% Enhancer Italian Ryegrass
10% 98/85 Kentucky Bluegrass
5% Merit Platinum Ladino White Clover

"Excellent grass mix with Platinum Ladino Clover"

All Purpose Pasture Plus

25% Albion Perennial Ryegrass
18% Enhancer Italian Ryegrass
15% Spring Green Festulolium
15% Presto Timothy
8% Yukon Tall Fescue
7% 98/85 Kentucky Bluegrass
6% Cache Meadow Brome
6% Crown Royale Orchardgrass

"High quality mix for a wide range of soil"

Renovator Special

34% Spring Green Festulolium
33% Albion Perennial Ryegrass
33% Enhancer Italian Ryegrass

"High quality grass mix to fix pastures"

Merit Grazing

40% Crown Royale Orchardgrass
20% Albion Perennial Ryegrass
20% Spring Green Festulolium
10% Enhancer Italian Ryegrass
7% Victory Red Clover
3% Merit Platinum Ladino White Clover

** Treated with Apex Green

"Excellent mix for grazing or haying"

Hayblend Plus

65% Merit Gold Alfalfa
20% Victory Red Clover
10% Presto Timothy
5% Alsike Clover
** Treated with Apex Green

"High quality mix for all soils"

Horse Hayblend Supreme

35% Cache Meadow Brome
35% Crown Royale Orchardgrass
25% Merit Gold Alfalfa
5% Presto Timothy
** Treated with Apex Green

"Excellent grass mix with Alfalfa"

Renovator with Clover

32% Spring Green Festulolium
32% Albion Perennial Ryegrass
31% Enhancer Italian Ryegrass
5% Merit Platinum Ladino White Clover

"A blend of superior quality grasses with Ladino Clover"

Recommended Pasture Seeding Rates

New Seeding: 25-35lbs per Acre / Broadcast 10lbs more

Over Seeding: 15-20lbs per Acre / Broadcast 10lbs more

** items listed above are subject to change based on availability**

PLANTER PLATE GUIDE

Merit Hay Maker

50% Cache Meadow Brome
40% Quick Draw Orchardgrass
10% Presto Timothy

"High quality grass mix, plant with alfalfa or seed alone"

Cattle Master

50% Crown Royale Orchardgrass
40% Inkeri Meadow Fescue
10% Presto Timothy

"Excellent grass mix, plant with alfalfa or seed alone"

PLANTER PLATE GUIDE

Plate Column	FLAT 1	FLAT 2	FLAT 3	FLAT 4	FLAT 5
JD 16 CELL PLASTIC	B 19 OLIVE	B 9 PINK	B 190 GRAY	B 6 WHITE	B 7 LIGHT GREEN
JD 24 CELL PLASTIC	B19-24 OLIVE	B9-24 PINK	B190-24 GRAY	B6-24 WHITE	B7-24 LIGHT GREEN
JD 16 CELL METAL	1322	1268	697	697	694
JD 24 CELL METAL	16236	16236	2751	2571	1302
I.H.C 16 CELL PLASTIC	C 19 OLIVE	C 9 PINK	C 190 GRAY	C 6 WHITE	C 7 LIGHT GREEN
I.H.C. 24 CELL PLASTIC	C 19-24 OLIVE	C 9-24 PINK	C 190-24 GRAY	C 6-24 WHITE	C 7-24 LIGHT GREEN
I.H.C. 16 CELL METAL	621833	3236	1975A	1975A	1977A
I.H.C. 24 CELL METAL	480190	480190	480691	469809	469810
JOHN DEERE 999 METAL	Y4607B	Y4664B	2636	2636	2637
J.D. 999 A.C. PLASTIC	B 19 OLIVE	B 9 PINK	B 190 GRAY	B 6 WHITE	B 7 LIGHT GREEN
ALLIS CHALMERS METAL	302604	300980	300106	300106	300107
BLACK HAWK			346	346	347
OLIVER M. MOLINE	245500	245501	245506 829	245506 829	245510 830
CASE	PT425	PT425	PT426 2073	PT426 2073	PT448 2074
FORD		108954	108955	109786	109787

Plastic planter plates are available for MERIT HYBRID grade sizes (16 cell or 24 cell) for the following planters: John Deere • Allis Chalmers • International • McCormick Deering - Also available are plastic planter plate adaptors for the John Deere 999 and Allis Chambers plates.

****The speed at which you plant, or wear of your planter, may require you to use a larger or****
smaller plate size. Important: check plates at maximum field speeds before you plant.

2024 PLANTER PLATE GUIDE CONTINUED

Plate Columnm	ROUND 9	ROUND 10	ROUND 13
JD 16 CELL PLASTIC	B 3 BROWN	B 2 MAROON	B-IX ORANGE
JD 24 CELL PLASTIC	B 3-24 BROWN	B 2-24 MAROON	B-IX-24 ORANGE
JD 16 CELL METAL	2295	2043	1933
JD 24 CELL METAL	16238	2824	10853
I.H.C 16 CELL PLASTIC	C 3 BROWN	C 2 MAROON	CIX ORANGE
I.H.C. 24 CELL PLASTIC	C 3-24 BROWN	C 2-24 MAROON	CIX-24 ORANGE
I.H.C. 16 CELL METAL	3314	3561	3324A
I.H.C. 24 CELL METAL	480178R1	480178R1	480692R1
JOHN DEERE 999 METAL	Y4664B	Y5519B	5511
J.D. 999 A.C. PLASTIC	B 3 BROWN	B 2 MAROON	BIX ORANGE
ALLIS CHALMERS METAL	302603	302613	302606
BLACK HAWK			454
OLIVER M. MOLINE	245523	245524	245531 1236
CASE	PT466	T1273 PT466	PT429 2296
FORD	108956	108956	108957

The speed at which you plant, or wear of your planter, may require you to use a larger or smaller plate size. Important: check plates at maximum field speeds before you plant.



2024 PLANTING CHART

SEED	Planting Rate LBS/ACRE	Planting Rate LBS/ACRE in Mix	Seeding Depth (Inches)	Suggested Planting Dates	Emergence Time (Days)	Primary Use	Perennial (P) Annual (A)
Alfalfa	20-25	12-14	1/4 - 1/2	March-May / Aug-Sept	7	Hay-Silage-Pasture	P
Barley	90-120	60-90	1-2	March-April / Aug-Oct	7	Pasture	A
Birdsfoot Trefoil	12-15	4-8	1/4	Feb-May / Aug-Sept	7	Pasture	P
Bluegrass,Ky forage	10-15	4-10	1/4	Feb-May / Aug-Sept	28	Pasture	P
Brome, Meadow	12		1/4 - 1/2	March-May / Aug-Sept	14	Hay - Pasture	P
Brome, Smooth	15-20	8-10	1/4 - 1/2	March-May / Aug-Sept	14	Hay - Pasture	P
Buckwheat	40-55		1/2 - 1	June - July	7	Hay-Grain-Wildlife	A
Chicory	8-10	2-3	1/8 - 1/4	April-May / Aug-Sept	7-21	Pasture - Wildlife	P
Clover, Alsike	8-12	1-3	1/4 - 1/2	Feb-May / Aug-Oct	7	Hay - Pasture	P
Clover, Berseem	12-16		1/4 - 1/2	May-June / Aug-Oct	7	Hay - Pasture	A
Clover, Crimson	15-20		1/4 - 1/2	Aug - Oct	7	Hay - Pasture	A
Clover, Ladino White	8-12	2-4	1/8 - 1/4	Feb-May / Aug-Oct	7-10	Hay - Pasture	P
Clover,Mammoth Red	15-20	6-8	1/4 - 1/2	Feb-May / Aug-Oct	7	Hay-Silage-Pasture	P
Clover, Med Red	15-20	6-8	1/4 - 1/2	Feb-May / Aug-Oct	7	Hay-Silage-Pasture	P
Clover,Dutch White	8-12	2-4	1/8 - 1/4	Feb-May / Aug-Oct	7-10	Pasture	P
Crownvetch	20-30	5-10	1/2	March-May / Aug-Sept	14	Erosion Control	P
Fescue, Meadow	35-45		1/4 - 1/2	March-May / Aug-Sept	14	Pasture	P
Festulolium	35-45	15-20	1/4	March-May / Aug-Sept	14	Hay - Pasture	P
Hairy Vetch	20-25		1	Aug - Oct	14	Hay - Pasture	A
Millet, Pearl	25-30		1/2	May - July	7	Pasture - Silage	A
Millet, Proso	25-30		1	May - July	10	Grain - Wildlife	A
Oats, Spring,Fall	90-120	60-90	1 - 2	Mar-April / Aug-Sept	10	Hay - Pasture	A
Orchardgrass	15-20	3-6	1/4 - 1/2	Mar-April / Aug-Sept	18	Hay - Pasture	P
Radish	12-15		1/4	Aug -Sept	7-10	Soil Builder	A
Rape	8-10	4-6	1/2	April - Aug	7	Pasture	A
Red Top	4-5	1-2	1/4	Mar-May / Aug-Sept	10	Pasture -Erosion Control	P
Reed Canarygrass	8-12	4-8	1/4 - 1/2	Mar-May / Aug-Sept	21	Hay - Pasture	P
Rye Grain	90-120	60-90	1 - 2	Mar-May / Aug-Sept	7	Hay - Pasture	A
Ryegrasss, Annual	35-50	6-10	1/4 - 1/2	Feb-May / Aug-Sept	14	Hay-Pasture-Erosion Control	A
Ryegrass, Perennial	35-50	6-10	1/4 - 1/2	Feb-May / Aug-Sept	14	Hay - Pasture	P
Sorghum, Sudangrass	35-50		1	May - July	10	Hay - Pasture	A
Sorghum,Sudangrass BMR	35-50		1	May - July	10	Hay - Pasture	A
Sweetclover, Yellow Blossom	15-20	6-8	1/4 - 1/2	Feb-May / Aug-Oct	7	Pasture	Biennial
Switchgrass	8-10 PLS		1/2	April - May	21	Hay - Pasture	P
Timothy	10-15	2-6	1/4 - 1/2	March-May / Aug-Sept	10	Hay - Pastyre	P
Triticale	90-120	60-90	1 - 2	March-April / Aug-Oct	7	Hay - Pasture	A
Turnips	8-10	1 - 2	1/2	April - Aug	7	Pasture	A

2024 MERIT LAWN SEED

Pro Turf

New Seeding Rate: 8-10lb. per 1000 sq. ft. 320-420 lbs. per acre

Pro-Turf Mix is a blend of cool-season, long-lived, perennial grass with a smooth, soft, green to dark green appearance. It spreads via rhizomes to form a dense sod and grows best during cool, moist weather on well-drained, fertile soils. It creates excellent turf density and has good mowing quality. Adaptable to a wide variety of climate range and has good resistance.

FORMULATION: Kentucky Bluegrass, Providence Tall Fescue, Creeping Red Fescue, Fiji II Perennial Ryegrass, Belize Perennial Ryegrass

CHARACTERISTICS: Blends well with existing yards, dark green in color, Great heat and drought tolerance, Fast spring green up, Good resistance to leaf rust.

Stadium

New Seeding Rate: 8-10 lb. per 1000 sq. ft. 320-420 lbs. per acre

Stadium Mix is a blend that will create a top quality turf designed for extra traffic, whether it is on a ball field or in your front lawn. All varieties selected for this mixture show very good to excellent ratings for wear and traffic tolerance and over-all turf quality. It establishes quickly in spring; thrives in the summer and also performs very well under dense shade conditions, is aggressive and is very persistent. Ideal for campgrounds and play areas. Heavy traffic Durability.

FORMULATION: Witchita Tall Fescue, Birmingham Tall Fescue, Kentucky Bluegrass, Creeping Red Fescue, Belize Perennial Ryegrass, Fiji II Perennial Ryegrass

CHARACTERISTICS: Performs well in northern states, Excellent drought tolerance, Has excellent seedling vigor, Quick establishment, Mows cleanly at low heights, Does well in heavy traffic, Very low maintenance.

Landscapers

New Seeding Rate: 8-10 lb. per 1000 sq. ft. 320-420 lbs per acre

Landscapers Mix is a blend with good seedling vigor, fast establishment, and excellent wear tolerance. An excellent spring green-up with great heat and drought resistance makes it widely adapted throughout the cool humid regions of North America. Good resistance to most turf grass foliage diseases with a dense turf, that is able to withstand lower mowing. Its aggressive rhizomes and good tillering ability allows for rapid filling of bare areas. Great wear resistance and slow vertical growth makes it suitable for parks, playgrounds, home owners, and highway departments.

FORMULATION: Belize Perennial Ryegrass, Fiji II Perennial Ryegrass, Kentucky Bluegrass

CHARACTERISTICS: High turf quality, Medium dark green color, Good diseased resistance, Great heat and drought tolerant, Excellent seedling vigor, Fast establishment, Excellent for over seeding

Merit Select

New Seeding Rate: 8-10 lb. per 1000 sq. ft. 320-420 lbs. per acre

Merit Select is a blend of Tall Fescue and premium Bluegrass making it a fine stemmed and dark green in appearance. Tall Fescue lawns are slower going into dormancy and stay green longer into the summer. Merit Select is an excellent blend that will ensure a great drought tolerance and a strong disease resistance.

FORMULATION: Birmingham Tall Fescue, Providence Tall Fescue, Witchita Tall Fescue, Milagro Kentucky Bluegrass

CHARACTERISTICS: Very adaptable to variety of climates, Medium dark green blends well, Great heat and drought tolerance, Fast spring green up, Good resistance to stem and leaf rust.

Shady

New Seeding Rate: 8-10lb. per 1000 sq. ft. 320-420 lbs. per acre

Shady Lawn Mix is a blend that will create a top quality turf designed for shady areas, whether it is in your back yard or in a wooded campground, will create a lush green lawn even in the shade. All varieties selected for this mixture are very low maintenance. It does not require much fertilizer and does not need excessive amounts of water. A high mowing cut is recommended. Fescue has a high tolerance for cold temperatures and shade, moderate tolerance for drought and wear, and a low tolerance for heat.

FORMULATION: Creeping Red Fescue, Kentucky Bluegrass, Birmingham Tall Fescue, Fiji II Perennial Ryegrass, Belize Perennial Ryegrass

CHARACTERISTICS: Moderate tolerance for drought, Low tolerance for heat, Performs well in northern states, Prefers shadier and cooler areas, Very low maintenance, A high mowing cut recommended

Contractors

New Seeding Rate: 8-10 lb. per 1000 sq. ft. 320-420 lbs. per acre

Contractors Mix is a blend that will germinate fast, usually from 5 to 14 days in good weather and soil conditions and seed/soil contact. This kind of fast germination and growth makes it an ideal niche in the industry to provide stabilization green coverage. It is very vigorous, with fast establishment and fill-in which makes it ideal for banks and ditches. It establishes itself quickly and as a dense turf, and can withstand lower mowing heights.

FORMULATION: Annual Ryegrass, Belize Perennial Ryegrass, Kentucky Bluegrass, Creeping Red Fescue

CHARACTERISTICS: Fast germination and growth, excellent seedling vigor, provides stabilization coverage, Medium fine leaved, dark green color

** items listed above are subject to change based on availability

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