

### **Milkway**

#### **High quality grass blend that shines alone or complements legumes**

A blend of soft leaf tall fescue and meadow fescue for high quality, highly digestible forage. Milkway is traffic tolerant and can sustain multiple manure or N applications. Excellent with or without legume.

Seeding Rate: 35 to 40 lbs/A

3 to 10 lbs/A with no legume

### **Organic Partner**

#### **High Yields in an Organic Pasture**

An all-grass mix that will give both high quality forage plus yield across many soils. Can be seeded alone or with the legumes of your choice. Use the large box for the grasses and the small box for the legumes.

Seeding Rate: 20 to 30 lbs/A without a legume

3 to 8 lbs/A with legumes

### **Versa Grass Mix**

#### **Drought and Heat Tolerance in a Versatile Grass Mix**

An all-grass mix with very high drought and heat tolerance. Featuring Foxtan Festulolium, it maintains the durability of fescue, but is high in nutritional quality.

Seeding rate: 15 to 30 lbs/A without a legume

2 to 10 lbs/A with a legume



### **Establishment**

1. Note soil types (droughty, wet, etc.)
2. Soil test and apply fertility before tillage. Lime should be applied ideally 6-12 months in advance.
3. Control perennial weeds prior to land preparation.
4. Select appropriate mixture for soil types, livestock and harvest management.
5. Determine ideal seeding time for your local area (late winter to early spring or late summer are usually ideal)
6. Prepare a level firm seedbed or, if using no-till, kill vegetation prior to seeding with appropriate nonresidual herbicides.
7. Calibrate seeder for appropriate seeding rate and depth.
  - a. Our mixtures work best in the large box.
  - b. Call for a calibration sheet. Best method is to collect and weigh seed over a short distance to determine seeding rate.
  - c. Seed at 1/8 to 1/4" with about 10% of seed on surface.
  - d. Press wheels and cultipacking are critical to a good seeding. Cultipack twice in dry conditions.

### **Haylage/Baleage in a Day**

Wide swathing can get moisture levels low enough to make high moisture hay in a day. The result is silage that contains more NSC (sugar and starch) which makes around 300 lbs of additional milk per ton of feed. Freshly cut forage exposed to the sun continues to make sugar until the plant is wilted to 60%. The faster the crop is harvested, the less sugar is lost in the field. Forage spread out receives sunlight which allows for faster drying and more sugar and starch for your cows.

#### **Basic Principles:**

- Swath must be 80% of cutting width
- Leave 3 to 4" of stubble, allowing air to flow through swath better
- Best cutting time is between late evening and late morning
- Rake or merge crop before it is too dry
- Harvest at appropriate moisture (less than 65%)



# **High Energy Hay Mixtures**



**King's AgriSeeds** Inc.

FEEDING YOUR FARM'S FUTURE.

[www.KingsAgriSeeds.com](http://www.KingsAgriSeeds.com)



## Utilizing Hay Mixtures

Mixed stands of legumes and grasses offer more agronomic stability and in general higher quality livestock forage from a nutritional point of view. Legumes provide nitrogen to the soil and protein to the livestock, while improved grasses increase yield and add energy, primarily through fiber digestibility. We have worked hard to bring you mixtures that work in both the field and in the barn. In some situations it may be best to blend a couple of our mixes together. In this case, custom mixes can also be created for larger acreage farmers. Please keep in mind, however, that the mixes featured in this brochure perform very well when matched with the appropriate location and soil conditions. These mixes are designed to help you grow and feed more home grown forages, allowing you to avoid the high costs of grain supplementation. By producing the forages you need, you become less dependent on others to supply you with feed, and more knowledgeable about the inputs that are allowing you to produce milk or meat.

*NOTE: Basic formula includes coatings on legumes. Percentage on tag may vary and variety substitutions may occur. Some coatings are not approved for organic use.*



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### King's Haymaster



#### An Easy to Dry Grass Alfalfa Mixture

A balanced mixture of leafy late heading grasses and traffic tolerant alfalfa, making soft hay that livestock and horses love. Provides a great source of high quality effective fiber, to slow down rate of passage in a dairy ration, without sacrificing quality. This mixture is ideal for dry hay, but can also be made for baleage/haylage or utilized as a good summer grazing mixture.

Seeding Rate: 20 to 30 lb/A

### King's Haypro



#### An alternative grass-alfalfa mix that includes soft-leaf tall fescue

A well balanced mixture of leafy late heading grasses and traffic tolerant alfalfa that makes soft hay that livestock, calves and horses love. Add it to dairy rations for a great source of high quality effective fiber to slow down rate of passage without sacrificing quality. The hay from this mixture dries very easily.

Seeding rate: 20-30 lbs/A

### Alfamate



#### An Ideal Companion for Legumes

An all-grass mix that can be used either alone or with legumes such as alfalfa. This mix makes a very soft, palatable hay. Contains late-heading orchardgrass, Hakari Alaska Brome, and premium timothy.

Seeding Rate: Stand Alone - 25 to 35 lbs/A  
without legumes

New Seeding Alfalfa/Clover - 5 to 10 lbs/A

### Highland Hay



#### Heat And Drought Tolerant Mixture

Alfalfa grass mix that will handle heat and drought better than our Haymaster Mix. These late heading grass varieties are proven to handle southern and northern stresses in an alfalfa grass combination. This mix is easy to dry and ideal for good to drier soils.

Seeding Rate: 25 lb/A

### Grass Maxx



#### A rugged all-grass mix for hayfields or pastures

A durable mix of Martin II novel endophyte tall fescue with early new-release orchardgrass. Grass Maxx provides the diversity you need in a hayfield or pasture while giving you the option of broadleaf weed control during the establishment year. Clover can be added later if desired through frost-seeding.

Seeding rate: 20 to 30 lbs/A

### GrassPro



#### Late Heading Grass Mixture

An easy to dry all grass mixture that can be mixed with alfalfa and clovers or seeded alone. The orchardgrass and timothy varieties in this mixture are all very leafy and late heading. The tall fescue adds more consistent yield and quality along with better persistence.

Seeding Rate: Stand Alone – 20 to 30 lbs/A

Seeding Rate: With Legume – 3 to 8 lbs/A  
(reduce legume seeding rate by 25-50% from pure stand)

### Lowland Hay



#### Ideal For Marginal Soils

Late heading mix that tolerates wetter soils and has a wide harvest window. Tall fescue adds consistently good fiber digestibility, high yields and traffic tolerance. Barfleo is a very late heading Timothy that dries easily and does not absorb high potassium levels. Freedom! MR Red Clover has very little stem hair, making it easier to dry than other clovers. Best uses for this mix are dry hay and baleage/haylage. It can also be added with alfalfa on marginal alfalfa soils.

Seeding Rate: 20 to 25 lb/A.

### Performance Max



#### Widely Adapted And Very High Yielding

Expect high performance from this combination of our best alfalfas and high yielding/highly

digestible tall fescues. Alfalfa varieties are drought tolerant, with high yield potential, while sharing nitrogen with other crops. Our tall fescue varieties are late heading, high yielding and more abuse tolerant than other grasses. They withstand high traffic, wet or dry soils, manure applications and insect pressure. This mix makes a high yielding forage with excellent quality and high nutritional value for your cows. It's ideal for either dry hay or baleage. Plant this mix on soils that are adapted to alfalfa.

Seeding Rate: 20 to 25 lbs/A

### North Star



#### A Strong Hay Mixture for the North

This mixture contains strong alfalfa varieties with modest amounts of later maturing grass added for improved nutrition. It's designed primarily for central PA and North, where the grasses will provide consistent yield and quality for several years.

Seeding Rate: 18 to 25 lbs/A

### Sale Topper



#### An Easy to Dry Grass Mixture

Grass mixture that can be mixed with clover and alfalfa or seeded alone. A great complement for new alfalfa and/ or cover seedings. It contains two late heading orchardgrasses, one early maturing timothy and one late maturing timothy. This mix makes very marketable hay that throws a few heads over multiple cuttings. Great auction hay and very attractive to horse customers.

Seeding Rate: Stand Alone – 12 to 18 lbs/A

New Seeding Alfalfa/Clover – 5 to 10 lbs/A  
(reduce legume seeding rate by 25-50%)

