



## **Retail Price List- Spring 2023**

*Effective: 10/24/2022, Revised: 2/8/2023*

**SEED TREATMENT KEY:**  
**MST**- Myco Seed Treatment, *OMRI approved*  
**UT**- untreated/raw seed, *safe for organic use*  
**T**- treated seed, *not approved for organic use*  
**CT**- conventional treatment, *not approved for organic use*  
**OC**- organic coating, *OMRI approved*  
**S**- safen/concep, *not approved for organic use*  
**N**- NipsIt, *not approved for organic use*  
**PI**- pre-inoculated, *OMRI approved*  
**YJ**- Yellow Jacket coating, *not approved for organic use*  
**RR**- Roundup Ready, *not approved for organic use*  
**+** - indicates that this product benefits from seed inoculant application  
**BMR**- BMR Gene 6

**PACKAGING KEY:**  
**Supersack**- a soft tote that holds 1000-2500 lbs depending on seed density

**CUSTOM MIXES:** We are equipped to make custom mixtures of 500 lbs or greater. Please allow 1 week for custom mixes to be completed. No returns on custom mixes are allowed and the seed must be shipped promptly after it is mixed.

Custom Mix Weight	Mixing Fee
500-999 lbs.	\$95
1,000-3,999 lbs.	\$0.09/lb.
4,000-7,999 lbs.	\$0.07/lb.
> 8,000 lbs.	\$0.06/lb.

- For organic mixes: An additional \$50 flat fee will be charged for the use of organic components in mixtures due to the requirements and regulations with organic certifications.
- Custom mixes that use blends or mixtures within the mix will be charged an additional \$10 specialty tagging fee per item.
- Custom mixes that are put in a 2000 lb supersack are eligible for a \$20 supersack discount.
- *Break Bag Fee in Mixtures:* King's is able to put less than full bags in custom mixes, however this service has a flat \$20 per broken bag fee.  
 Please Note: We do have several items that are already packaged in 5 lbs. bags, utilizing one of these does not result in an upcharge (see page 9 for those products).

**SUPERSACK DISCOUNT:** For annual stock mixtures (ie. Ray's Crazy, Double Play, CARGO, etc.) requested in a 2000 lb. supersack, dealer receives a \$20 supersack discount and the \$40 pallet discount. Supersack requests need to be placed in advance.

**USDA PLANT HARDINESS ZONES:**  
 In our perennial mixture section, you will find references to zone adaptability for best use. If you don't know your zone, please refer to the USDA Plant Hardiness Zone map on page 41 in your Dealer Terms & Conditions.

## PERENNIAL PRODUCTS

**PERENNIAL MIXTURES:**

	Wt.		Price	Seed Rate	Comments:
<b>King's &amp; Barenbrug Perennial Mixtures</b>					
Balancer	33	MST	\$153.00	25 to 35	A rugged mix of Martin II novel endophyte tall fescue with early orchardgrass & clovers.
Beefmaster	50	UT	\$248.00	30 to 35	Good for finishing beef. Contains perennial ryegrass, fescue, orchardgrass and clover.
Browsemaster	50	YJ	\$271.00	22	A grazing mixture for goats, wildlife and more. Contains a lot of forbs.
Clean & Green	33	UT	\$105.00	35 to 75	For conservation. 80% tall fescue and 20% annual ryegrass. Adjust seeding rate to erosion risk.
(Northern) Creekside	33	MST	\$160.00	25	A highly palatable mix for wetter soils. (Adapted to Zones 4 & 5)
(Southern) Creekside			\$138.00		A strong mix for wetter soils. (Adapted to Zones 6a, 6b, 7a)
EquiFlex Forage	33	MST	\$179.00	25 to 30	A dual purpose, early hay/grazing mix with lower carbohydrates.
Equinemaster Paddock	25	UT	\$113.00	30 to 100	For exercise areas. Contains soft leaf tall fescue, KY bluegrass and perennial ryegrass.
E-Z Dry Hay Mix	33	MST	\$166.00	20 to 30	An easy to dry hay mix including alfalfa, orchardgrass, meadow brome & timothy.
Grass Maxx	33	MST	\$150.00	20 to 30	A rugged mix of Martin II novel endophyte tall fescue with early new-release orchardgrass.
GrassPro	33	MST	\$143.00	20 to 30	A mix of endophyte free tall fescue & late-heading orchardgrass & timothy. If seeding w/ legume, 3-8 lbs/acre.
Greenfast	33	MST	\$134.00	30 to 40	Aggressive 3 to 5 year mix. Good for shorter term pastures and renovation. (Adapted to zones 4, 5 & 6)
Highland Hay	33	OC	\$160.00	25	A PLH alfalfa/grass hay mix including: 50% alfalfa, 25% orchardgrass, 25% tall fescue. (Adapted to zones 6 & 7a)
Hillside	33	MST	\$169.00	25	A strong orchardgrass based grazing mixture. Great for good to drier soils.
King's (Northern) Grazing Mix	33	MST	\$154.00	25 to 35	Our premier managed grazing mix. (Adapted to Zones 4 & 5)
King's (Southern) Grazing Mix			\$163.00		Our premier managed grazing mix. (Adapted to Zones 6a, 6b, 7a)
King's HayPro	33	MST	\$158.00	20 to 30	An easier to dry alfalfa/grass mix that includes soft-leaf tall fescue, orchardgrass & timothy. (Adapted to zones 6 & 7a)
King's Horse Supreme	33	MST	\$169.00	25	Excellent horse mix with no tall fescue. Tolerates short grazing.
Lowland Hay	33	MST	\$139.00	20 to 25	A high-yielding mix for stored forage that includes premium tall fescue, timothy, & red clover.
Milkway	50	UT	\$242.00	35 to 40	50:50 mix of meadow fescue and soft leaf tall fescue. Lower seed rate with legumes (3 to 10lbs).
North Star	50	CT	\$259.00	18 to 25	An 85:15 blend of KF alfalfa with Hipast festulolium and meadow fescue. (Adapted to zones 4 & 5)
NutraMax Hay Mix	50	CT	\$259.00	25	Highly digestible alf/clover/grass mix that is primarily adapted to zones 4 & 5. Makes good haylage & baleage.
		OC	\$265.00		
Performance Max	50	CT	\$244.00	20 to 25	70/30 blend of our Kingfisher alfalfas and late tall fescue. Consistent quality and high yield. (Adapted to zones 6 & 7)
Sale Topper Grass Mix	33	MST	\$152.00	15 to 20	Easy to dry. 80% late orchardgrass & 20% timothy. Lower seeding rate with legumes (5 to 10lbs).
Southern Brawn	33	CT	\$127.00	20 to 30	An durable, endophyte-free tall fescue/orchardgrass mix for hay or grazing targeted for zones 6b to 7b.
Versa Mix	33	MST	\$130.00	15 to 30	A versatile forage grass mix. 70% tall fescue type festulolium, 30% orchardgrass. (Adapted to zones 4 to 7)

**PERENNIAL LEGUMES:**

	Wt.		Price	Seed Rate	Comments:
<b>Alfalfa</b>					
King's Econo	50	CT	\$197.00	18 to 22	A respectable alfalfa at a low cost.
		OC	\$204.00		
KingFisher 435 HD	50	CT	\$257.00	18 to 22	High-yielding, highly digestible, branch root. DRI: 35/35, WH: 1.7, FD: 4.6
		OC	\$261.00		
KingFisher PLH 422	50	OC	\$269.00	18 to 22	Potato-leaf hopper resistant. DRI: 30/30, WH: 2.4, FD: 4
King's PLH 544	50	OC	\$263.00	18 to 22	Potato-leaf hopper resistant. DRI: 35/35, WH: 2, FD: 5
KingFisher Stronghold 35-2	50	CT	\$245.00	18 to 22	High yielding, branch-rooted variety with a sunken crown. 35/35 DRI.
		OC	\$249.00		
<b>Birdsfoot Trefoil</b>					
Bull Birdsfoot Trefoil	50	UT	\$467.00	20 to 25	An erect variety with thin stems resulting in excellent forage quality. Bull is good for both grazing & stored forage.
		OC	\$329.00		
Dawn Birdsfoot Trefoil	50	OC	\$329.00	20 to 25	A high yield hay variety that can also be used for pasture and conservation.
<b>*MORE PERENNIAL LEGUMES ON THE NEXT PAGE*</b>					

## PERENNIAL PRODUCTS (continued)

**PERENNIAL LEGUMES  
CONTINUED:**

	Wt.		Price	Seed Rate	Comments:
<b>Clovers (Perennial)</b>					
Alice White Clover	25	YJ	\$185.00	2 to 4	Large leaf and medium height. Popular for grazing.
		OC	\$189.00		
Alsike Clover +	50	UT	\$235.00	6 to 8	N source, tolerates flooding, poorly drained and acidic or alkaline soils. Not for horses.
Clifford Red Clover	50	OC	\$241.00	4 to 20	High-yielding, large leaf size. Excellent disease resistance with aggressive growth and persistence.
Clover Pollinator Mix	25	OC	\$107.00	5 to 12	A mix of 6 clover species that will provide excellent nectar flow to pollinators. Best late summer planted.
Dutch White Clover "VNS"	25	OC	\$136.00	2 to 4	Excellent for between vegetable rows. For pasture it is lower yielding and low growing.
		YJ	\$145.00		
Freedom! MR Red Clover	25	OC	\$149.00	4 to 20	A mildew-resistant variety with less "hairs" makes a high quality hay.
		OC	\$142.00		
Kakariki White Clover	25	OC	\$225.00	2 to 4	A new long-lived white clover with large leaves and high stolon density.
Ladino White Clover 'VNS'	50	OC	\$133.00	5 to 9	Living mulch, erosion protection, green manure, beneficial insects.
Medium Red Clover 'VNS'	50	CT	\$142.00	4 to 20	N source, soil builder, weed suppressor, attracts beneficials, forage.
		OC	\$293.00		
Milvus Red Clover	55	UT	\$150.00	4 to 20	A long lived red clover that has some spreading tendencies.
Premium Clover Mix	25	OC	\$227.00	4 to 6	A mixture of premium red, white and ladino clovers. Seed alone or with grass.
Redkin Red Clover	50	OC	\$144.00	4 to 20	A High-yielding variety bred in KY. Excellent disease resistance with aggressive growth and persistence.
Renovation White Clover	25	OC	\$189.00	2 to 4	A long lived white clover with high stolon density and larger leaves. Selected under grazing pressure in GA
3-Way Clover	50	OC		10 to 15	Clover mixture of Yellow Blossom Sweet Clover, Red Clover and Ladino Clover.
<b>Forbs (Perennial)</b>					
Forb Feast Chicory	25	UT	\$110.00	1 to 3	Deep tap root. High mineral content. Helps break up hard pans.

**PERENNIAL  
GRASSES:**

	Wt.		Price	Seed Rate	Comments:
<b>Bromegrass</b> <span style="float: right;"><i>Offers good drought tolerance.</i></span>					
Artillery Smooth Brome	50	UT	\$355.00	30 to 40	A very high yielding variety selected for drought tolerance. Maintains green hay color. Late maturity.
VNS Smooth Brome	50	UT	\$264.00	30 to 40	A Carlton-type traditional smooth brome. Maintains green hay color. Late maturity.
Arsenal Meadow Brome	50	UT	\$348.00	25 to 35	Arsenal has excellent yield, drought tolerance, and disease resistance. Makes soft palatable forage. Early maturity.
Cache Meadow Brome	50	UT	\$348.00	25 to 35	Cache has yield, drought tolerance, and disease resistance. Makes soft palatable forage. Early maturity.
<b>Festulolium</b>					
Fojtan	50	UT	\$172.00	30 to 40	A long lived heat tolerant tall fescue type with good nutrition.
Perseus	50	UT	\$152.00	30 to 40	A 3 year Italian ryegrass type with excellent nutritional quality. (Adapted to zones 4, 5, 6a.)
<b>Meadow Fescue</b> <span style="float: right;"><i>Very palatable and very cold tolerant. More summer productive than ryegrasses.</i></span>					
Driftless	50	UT	\$259.00	35 to 45	Excellent disease resistant variety by Barenbrug that moves south well. May go as far south as zone 6b.
HDR	50	UT	\$254.00	35 to 45	Barenbrug's blend of high disease resistant meadow fescue.
Liherold	55	UT	\$280.00	35 to 45	A top performing variety with strong early growth.
Tetrax Meadow Fescue	55	UT	\$264.00	35 to 45	A tetraploid variety ideal to mix w/ new alfalfa seedings to increase energy levels in strong grass-growing regions.
<b>Orchardgrass</b> <span style="float: right;"><i>Good Drought Tolerance. All varieties are less bunched.</i></span>					
Donata	50	UT	\$222.00	20	A very late orchardgrass ideal for zones 4 & 5. Special feature: it works very well in mixtures.
Echelon	33	UT	\$147.00	20	A very late heading and high yielding orchardgrass variety. Moves south well.
HLR Orchardgrass Blend	25	UT	\$122.00	20	Barenbrug high-leaf-ratio blend of late maturing, leafy orchardgrasses.
		YJ	\$102.00	23	Coated at 50% Yellow Jacket which improves seed flow through the small box.
Inavale	33	UT	\$140.00	20	An impressive med-late orchardgrass with high-yielding with good disease tolerance. Moves south well.
		OC	\$160.00	23	
Olathe	33	UT	\$136.00	20	An early orchardgrass with high yield and disease resistance. Excellent southern performance.
<sup>510</sup> Persist NP	50	CT	ASK	20	A persistent early variety selected in western TN under tight grazing.
<b>Ryegrass (Perennial &amp; Intermediate)</b> <span style="float: right;"><i>Highest energy grass. Great spring and fall production.</i></span>					
BG-24T Blend	50	UT	\$218.00	35 to 45	A perennial Barenbrug blend of premium tetraploid & diploid varieties.
Kentaur	50	UT	\$177.00	40 to 50	A perennial tetraploid variety with excellent cold tolerance.
Mara	50	UT	\$209.00	40 to 50	A strong perennial Barenbrug diploid variety.
Payday	50	UT	\$161.00	40 to 50	A tetraploid variety with improved rust resistance.
Remington	50	UT	\$220.00	40 to 50	A perennial tetraploid variety with excellent southern & northern performance.
<b>*MORE PERENNIAL GRASSES ON THE NEXT PAGE*</b>					

## PERENNIAL PRODUCTS (continued)

### PERENNIAL GRASSES CONTINUED:

	Wt.		Price	Seed Rate	Comments:
<b>Tall Fescue</b> <i>Offers excellent drought and heat tolerance.</i>					
BarOptima Plus E34	25	UT	\$113.00	35 to 40	Improved soft leaf tall fescue with a beneficial endophyte.
Cajun II	50	UT	\$178.00	35 to 40	An early, high yielding and durable variety with no endophyte.
Kora	50	UT	\$173.00	35 to 40	Very high yielding hay type with late maturity. Improved digestibility with no endophyte.
Lipalma	44	UT	\$154.00	35 to 40	Very high yielding hay type with late maturity. Improved digestibility with no endophyte.
Martin 2 Protek	50	UT	\$214.00	35 to 40	Martin II is an early-medium maturity, novel endophyte tall fescue.
STF 43	50	UT	\$212.00	35 to 40	A blend of Barenbrug's best soft leafed tall fescue varieties. Late maturity. No endophyte.
Triumphant	50	UT	\$178.00	35 to 50	A new early, high yielding, durable, endophyte free variety that has excellent disease tolerance.
<b>Timothy</b> <i>Most palatable grass. Makes low potassium hay.</i>					
Climax (not certified)	50	UT	\$125.00	10 to 15	The old standard variety for the Northeast USA. Mid-maturity.
Comtal	50	UT	\$187.00	10 to 15	An improved variety that is good for both hay & grazing. Similar maturity as climax.
Richmond	50	UT	\$200.00	11 to 15	An improved high-yielding early timothy.
Tenho	50	UT	\$225.00	10 to 15	An improved high-yielding variety with good Penn State data. Similar maturity as climax.
Zenyatta	50	UT	\$225.00	11 to 15	An improved high-yielding early timothy
<b>Turf</b> <i>Subject to sales tax if for residential use.</i>					
Turf Star	50	UT	\$190.00	300	A turf type perennial ryegrass blend. Great for seeding between produce rows.
Sun and Shade	50	YJ	\$186.00	175	A multipurpose fine leafed turf.
Water Saver Pro	50	YJ	\$165.00	300	Turf type tall fescue blend. Excellent for durability and lower maintenance.
<b>Miscellaneous Perennial Grasses</b>					
Balin Kentucky Bluegrass	50	UT	\$235.00	15	Forage type with improved productivity.
Companion Mix	25	UT	\$108.00	50	A mix for orchards, vineyards, and between vegetable rows that requires less mowing.
Reed Canarygrass	50	UT	\$392.00	12 to 18	Very wet & drought tolerant. Once established it is very persistent. Low alkaloid.

## COOL-SEASON ANNUAL PRODUCTS

All "Cool-Season Annual Products" qualify for a \$40 full pallet discount if taken out in full skid quantities (2000 lbs).

### COOL-SEASON ANNUAL MIXTURES:

	Wt.		Price	Seed Rate	Comments:
<b>Cool-Season Annual Mixtures</b> <i>Seeding rate is for cover crop usage ONLY. The soil benefits are listed below.</i>					
Broadcaster	50	PI	\$108.00	25 to 30	Best seeded in late summer. Annual ryegrass, radish, crimson, red & yellow blossom clovers.
CARGO	50	PI	\$64.00	110 to 130	Grass-legume green manure, nutrient scavenger, nitrogen fixer, soil builder, and forage. Use 60 lbs/acre for cover crop.
Green-N-Low	50	PI	\$117.00	20 to 25	A balanced Lowboy and crimson clover mix that improves tillth and fertility. Best late summer seeded.
		CT	\$100.00		
King's Pea-Oat Mix +	50	UT	\$40.00	100	For grain or forage. A 50/50 mix of forage oats and 4010 peas.
Ray's Crazy Spring Mix +	50	PI	\$56.00	120	An 8-way mix for cover crop and/or forage, no hairy vetch or annual ryegrass. Requires pea inoculant.
Oats Plus Mixture	50	UT	\$45.00	75 to 90	For good quick feed. Contains 60% oats, 40% annual ryegrass.

### COOL-SEASON ANNUAL GRASSES:

	Wt.		Price	Seed Rate	Comments:
<b>Annual Ryegrass</b> <i>Best for late summer and early fall seeding.</i>					
Kodiak	50	UT	\$54.00	35 to 40	An annual ryegrass with superior cold tolerance. High yield and quality.
McKinley	50	UT	\$54.00	35 to 40	A winter hardy variety with high yield and quality.
Lowboy Annual Ryegrass	50	UT	\$60.00	15 to 20	A dwarf-type annual ryegrass that has great cover crop application. DO NOT USE FOR FORAGE.
<b>Italian &amp; Intermediate Ryegrass</b> <i>Two year potential crop. Fast starting and very high quality.</i>					
KingFisher Allegro Blend	50	UT	\$102.00	35 to 45	A KF Italian ryegrass blend. Does not go to head when spring seeded.
<b>*MORE COOL-SEASON ANNUAL PRODUCTS ON THE NEXT PAGE*</b>					

## COOL-SEASON ANNUAL PRODUCTS (continued)

All "Cool-Season Annual Products" qualify for a \$40 full pallet discount if taken out in full skid quantities (2000 lbs).

### COOL-SEASON ANNUAL LEGUMES:

	Wt.		Price	Seed Rate	Comments:
<b>Clovers (Annual)</b>					
Balady 1 Berseem Clover	50	OC	\$112.00	15 to 20	An annual clover that resembles alfalfa.
Frosty Berseem Clover	50	OC	\$196.00	15 to 20	An improved late-maturing, multicut forage variety with good winter hardiness.
Crimson Clover +	50	CT	\$116.00	15 to 25	A winter annual clover, good for hay, grazing and green manure.
		OC	\$125.00		
		UT	\$139.00		
Viper Balansa Clover	50	OC	\$137.00	3 to 8	A cool season annual legume with similar winter hardiness to winter peas & crimson clover.
<b>Clovers (Biennial)</b>					
<sup>sio</sup> White Sweetclover 'VNS'	50	OC	ASK	5 to 18	Deep tap root helps break up compacted soils. 2nd year nectar flow is later than YBSC.
Yellow Blossom Sweetclover	50	OC	\$206.00	15 to 25	Deep tap root helps break up compacted soils. 2nd year has strong nectar flow.
<b>Hairy Vetch</b>					
<sup>sio</sup> AU Merit Hairy Vetch	50	OC	ASK	25 to 30	An early, winter hardy hairy vetch. Excellent nitrogen producer in cover crop programs.
		CT	ASK		
Patagonia Hairy Vetch	50	OC	\$133.00	25 to 30	An early, winter hardy hairy vetch. Excellent nitrogen producer in cover crop programs.
		CT	\$123.00		
<b>Peas</b>					
40-10 Spring Peas +	50	UT	\$41.00	80 to 100	A high-quality purple flower forage pea. Can be planted spring or fall. Small seed size.
Keystone Winter Peas +	50	UT	\$52.00	90 to 100	A facultative, white flowering pea that can be seeded in the spring or fall.

### COOL-SEASON SMALL GRAINS:

	Wt.		Price	Seed Rate	Comments:
<b>Small Grains- Spring</b>					
<i>Suggested for planting in the spring, or late summer for forage.</i>					
Massy Spring Barley	50	UT	\$38.00	125 to 150	A new release feed type, 6 row spring barley that is high yielding and has excellent disease tolerance. Developed in Eastern Canada.
Badger Oats	50	UT	\$32.00	100	An early high-yielding grain oat with high test weight. For short season forage-@ 150lbs/acre.
Canmore Oats	50	UT	\$29.00	95 to 130	A dual-purpose, medium early, taller variety.
Cosaque Black Oats	50	UT	\$36.00	30 to 100	A winterhardy black oat.
Everleaf 126 Oats	50	UT	\$39.00	80 to 100	Very high forage quality. Stays leafier, longer. Latest maturing variety. Susceptible to rust.
Niagara Oats	50	UT	\$32.50	95 to 130	A tall, medium maturing forage oat.
Reeves Oats	50	UT	\$28.00	95 to 130	An early, dual-purpose oat that is 1-2 days later than Badger.
Surge Triticale	50	UT	\$29.00	125 to 150	A new & improved facultative triticale that can be planted in spring or fall.

## SUMMER ANNUAL PRODUCTS

All "Summer Annual Products" qualify for a \$40 full pallet discount if taken out in full skid quantities (2000 lbs).

### SUMMER ANNUAL MIXTURES:

	Wt.		Price	Seed Rate	Comments:
<b>Summer Annual Mixtures</b>					
<i>Seeding rate is for cover crop usage ONLY. The soil benefits listed below.</i>					
Ray's Crazy Summer Mix +	50	UT	\$81.50	40 to 60	A 7-way mix for cover crop and/or forage. Includes grasses, legumes and brassicas.
Summer Feast Mixture	50	UT	\$114.00	10 to 20	A high energy summer grazing mixture. Contains Leafy-T and T-Raptor.
Summer Solar Mix +	50	UT	\$72.00	55 to 70	Formula change to add SSX! Diverse legume-forb-grass cover crop mix of aggressively growing summer annuals.
YieldMax	50	T	\$102.00	30 to 40	A unique & innovative forage mixture that utilizes both cool season & warm season annuals. Zones 4-5.
<b>TerraLife Cover Crops</b>					
<i>The Special Cover Crop Program (Not for forage production)</i>					
BetaMaxx +	50	UT	\$89.00	35 to 40	A cover crop mix for vegetables including crucifers (and brassicas), beets and more.
MaizePro DT +	50	UT	\$87.00	35 to 40	A partly winter hardy cover crop mix for intensive corn crop rotations and more.
Rigol DT	50	UT	\$100.00	18 to 20	Strong root growth that stabilizes soil structure for most crops other than crucifers (brassicas).
<b>*MORE SUMMER ANNUAL PRODUCTS ON THE NEXT PAGE*</b>					

## SUMMER ANNUAL PRODUCTS (continued)

All "Summer Annual Products" qualify for a \$40 full pallet discount if taken out in full skid quantities (2000 lbs).

### SUMMER ANNUAL LEGUMES:

	Wt.		Price	Seed Rate	Comments:
<b>Cowpeas (NO RETURNS)</b>					
Iron & Clay Cowpea +	50	UT	\$67.00	40 to 60	Summer annual legume for cover crop or forage. Can mix with other summer annuals.
<b>Lespedeza</b>					
Legend Brand VNS	50	UT	\$305.00	12 to 15	Summer annual legume with strong forage production. Performs better on marginal soils than cool season legumes.
<b>Soybeans (NO RETURNS)</b>					
Derry Forage +	137K	UT	\$76.00	140-175K	Group 6 forage soybean for wildlife.
Titan Forage +	140K	RR	\$95.00	140-175K	Group 7 Roundup Ready forage soybean for wildlife.
<b>Sunn Hemp</b>					
Sunn Hemp +	50	UT	\$81.00	40 to 80	Summer annual legume for primarily cover crop and some grazing applications.

### SUMMER ANNUAL GRASSES:

	Wt.		Price	Seed Rate	Comments:
<b>Crabgrasses</b>					
Mojo Crabgrass	25	OC	\$143.00	5 to 8	A forage variety of crabgrass. Seed very shallow on tightly packed soil after soil reaches 50F.
Red River Crabgrass	25	CT	\$107.00	5 to 8	Coated with a 50% absorbent, as well as Apron (fungicide).
<b>Forage Sorghums</b>					
<b>S=safened UT=untreated BMR= BMR Gene 6</b>					
AF 7201 BMR	50	UT	\$112.00	80 to 100K	Direct Harvest- Seed at 80K/acre. 90-95 days to soft dough stage. Cut & Wilt Harvest- Seed at 25 lbs/acre with a drill. 55-65 days to boot stage.
		S	\$128.00		
ADV F7232 BMR	50	UT	\$171.00	80 to 100K	105-110 days to soft dough stage. A medium maturity brachytic dwarf hybrid.
		S	\$190.00		
ADV F8484 non-BMR igrowth	50	S&I	\$192.00	80 to 100K	A new brachytic dwarf non BMR forage sorghum, short in stature, but very high yielding. Featuring igrowth technology
AF7401 BMR	50	UT	\$163.00	80 to 100K	Full season dwarf forage sorghum with superior standability. 110-115 days to soft dough direct harvest.
		S	\$182.00		
AF8301 Non-BMR	50	UT	\$108.00	100 to 120K	A dwarf non-BMR forage sorghum with excellent standability and yield. Excellent for dry cows, heifers, beef production, & mazes.
		S	\$127.00		
KF Fiber Pro 50 BMR	50	UT	\$155.00	80 to 90K	A short season dwarf hybrid with improved agronomics. 85-89 days to soft dough direct harvest.
		S	\$165.00		
<b>MALE STERILE Forage Sorghums- Please ASK for availability</b>					
<b>Summer Annuals- Grain Sorghums</b>					
<b>S=safened UT=untreated I=Insecticide</b>					
ADV G2106	50	UT	\$145.00	80 to 100K	A new, higher yielding short season, red grain.
		S	\$207.00		
ADV G1120 igrowth	600K	S&I	\$261.00	79 to 100K	A short-season, non-GMO red grain variety with Imi herbicide tolerance ft. igrowth technology. Stewardship agreement required.
ADV G1142 igrowth	600K	S&I	\$241.00	80 to 100K	A short-season, non-GMO red grain variety with Imi herbicide tolerance ft. igrowth technology. Stewardship agreement required.
SP 30A30 DT	600K	S&I	\$352.00	81 to 100K	Early maturing bronze hybrid with herbicide tolerance ft. Double Team technology.
SP 45A45 DT	600K	S&I	\$352.00	82 to 100K	Medium maturing bronze hybrid with herbicide tolerance ft. Double Team technology. Sugar cane aphid resistant.
<b>Millets</b>					
Brown Top Millet	50	UT	\$65.00	10 to 25	A low-cost, one cut millet. Low forage quality best suited for cover crop or wildlife use.
Japanese Millet	50	UT	\$59.00	20	A warm season, annual grass that can be used for forage or summer cover crop.
Leafy T Millet	50	UT	\$91.00	10 to 20	A dark green leafy, high quality non-BMR dwarf millet. Safe for horses and does not contain prussic acid.
KF Prime180M BMR Millet	50	UT	\$112.00	10 to 20	A dwarf BMR millet with excellent regrowth & no prussic acid.
KF Prime360M BMR Millet	50	UT	\$112.00	10 to 20	A leafier dwarf BMR that has no prussic acid.
<b>Sorghum Sudans</b>					
<b>S=safened T=treated UT=untreated BMR= BMR Gene 6</b>					
SS 275 non BMR SSX	50	UT	\$48.00	60 to 70	A fast starting, non-BMR hybrid that is male sterile and aphid resistant. Ideal for cover crop & some grazing.
AS6401 BMR SSX	50	T/ UT	\$71.00	40 to 60	Improved disease tolerance, regrowth & cold tolerance.
		S	\$85.00		
KF Sugar-Pro 55 BMR SSX	50	T/UT	\$86.00	40 to 50	A high-yielding dry-stalk BMR sorghum sudan that dries easier than other sorghum sudans.
King's 150 SS BMR SSX	50	T/UT	\$76.00	40 to 50	A fast starting variety with excellent yield and quality.
King's 185 PS BMR SSX	50	T/UT	\$86.00	25 to 50	A very uniform attractive photo-period sensitive variety. Use low seeding rate when planning one delayed cut.
<b>Sudangrasses</b>					
<b>T=treated UT=untreated BMR= BMR Gene 6</b>					
AS9301 BMR Sudangrass	50	T	\$111.00	25 to 30	Sudangrass that dries down quickly with superb quality & yield.
AS9302 BMR Sudangrass	50	UT	\$115.00	25 to 30	Dwarf version of AS 9301.
King's 200 PS BMR Sudangrass	50	T/UT	\$97.00	25 to 30	A photoperiod sensitive sudangrass. Excellent regrowth.
<b>Teffs</b>					
Moxie Teff	50	OC	\$133.00	5 to 8	A good forage variety. Seed on very firm soil.
		YJ	\$129.00		

## SUMMER ANNUAL PRODUCTS (continued)

All "Summer Annual Products" qualify for a \$40 full pallet discount if taken out in full skid quantities (2000 lbs).

**FORBS:**

While classified as a summer annual, many forbs can be used throughout the full growing season, particularly brassicas & radishes.

	Wt.		Price	Seed Rate	Comments:
<b>Brassicas</b>					
<i>High quality forage. Great for summer feed or late fall feed.</i>					
Barkant Turnip	25	UT	\$72.00	4 to 5	A leafy variety with a tankard shaped bulb.
Purple Top Turnip	50	UT	\$82.00	4 to 5	A lower cost variety best for cover crops.
Barsica Rape	25	UT	\$64.00	4 to 5	A new forage rape that is fast maturing. Over-wintering.
T-Raptor Hybrid	25	UT	\$82.00	4 to 5	A turnip like hybrid that's super for multiple grazings (no bulb).
<b>Specialty Items</b>					
Braco White Mustard	50	UT	\$118.00	8 to 10	Bio-fumigant crop. Disease and nematode suppression, break crop, quick cover, weed suppression.
Buckwheat 'VNS'	50	UT	\$73.00	50 to 70	Cool season or summer quick soil cover, weed suppressor, nectar for pollinators, loosens topsoil.
Lifago Buckwheat	55	UT	\$88.00	25 to 35	A later maturing small seeded buckwheat for cover crop programs. Not for grain. Does not attract pollinators.
Daikon Radish	50	UT	\$106.00	12 to 14	Deep root growth, improves tilth, scavenges N, weed suppressor, bio-fumigant and break crop.
Lilla Phacelia	55	UT	\$195.00	8 to 12	Excellent for beneficial insects including honey bees. Also an excellent soil builder.
Peredovik Sunflowers	50	UT	\$62.00	40	A great sunflower for cover crop and wildlife programs.

## {NEW!} SMALL PACKAGED PRODUCTS - 5lb BUCKETS

Great for Custom Mixes, Food Plots, & Vegetable Gardens!

NOTE: Discount of \$10 per 5lb Bucket Applied if Used in a Custom Mix

	Wt.		Price	Seed Rate	Comments:
<b>Great for Custom Mixes, Food Plots, &amp; Vegetable Gardens!</b>					
Barkant Turnip	5	UT	\$30.00	4 to 5	A leafy variety with a tankard shaped bulb.
Barsica Rape	5	UT	\$29.00	4 to 5	A new forage rape that is fast maturing. Over-wintering.
Braco White Mustard	5	OC	\$27.00	8 to 10	Bio-fumigant crop. Disease and nematode suppression, break crop, quick cover, weed suppression.
Clover Pollinator Mix	5	OC	\$36.00	5 to 12	A mix of 6 clover species that will provide excellent nectar flow to pollinators. Best late summer planted.
Daikon Radish	5	UT	\$26.00	12 to 14	Deep root growth, improves tilth, scavenges N, weed suppressor, bio-fumigant and break crop.
Dutch White Clover "VNS"	5	OC	\$40.00	2 to 4	Excellent for between vegetable rows. For pasture it is lower yielding and low growing.
Forb Feast Chicory	5	OC	\$24.00	1 to 3	Deep tap root. High mineral content. Helps break up hard pans.
Lila Phacelia	5	UT	\$33.00	8 to 12	Excellent for beneficial insects including honey bees. Also an excellent soil builder.
Purple Top Turnip	5	UT	\$24.00	4 to 5	A lower cost variety best for cover crops.
T-Raptor Hybrid	5	UT	\$32.00	4 to 5	A turnip like hybrid that's super for multiple grazings (no bulb).
Buckwheat 'VNS'	5	UT	\$23.00	50 to 70	Cool season or summer quick soil cover, weed suppressor, nectar for pollinators, loosens topsoil.



## CERTIFIED ORGANIC PRODUCTS

ORGANIC PRODUCTS:

	Wt.		Price	Seed Rate	Comments:
<b>King's Certified Organic Mixtures</b>					
<i>Custom mixes are available but arrangements must be made in advance.</i>					
Dairy Green	33	OC	\$208.00	25 to 35	A mix that will thrive on good to moist soil.
Hayboss	50	OC	\$339.00	25	An alfalfa/grass hay mixture.
Partner	33	MST	\$194.00	20 to 30	Grass hay blend to seed with alfalfa or alone. Use lower seeding rate with legumes (3 to 8lbs).
Star	33	OC	\$187.00	25 to 30	For dairy quality pasture on varying soil types.
<b>Alfalfa</b>					
Byron 44 Mag Alfalfa	50	OC	\$350.00	18 to 22	High yielding, multifoliate alfalfa. DRI: 30/30, WH: 2, FD: 4.8
<sup>sio</sup> KF 409 AP 2 Alfalfa	50	OC	ASK	18 to 22	A very high-yielding, persistent, branch rooted alfalfa that has excellent plant health & strong disease resistance.
<sup>sio</sup> KF 435 HD Alfalfa	50	OC	ASK	18 to 22	High-yielding, highly digestible, branch root. DRI: 35/35, WH: 1.7, FD: 4.6
<sup>sio</sup> 40LR Alfalfa	50	OC	ASK	18 to 22	An improved leaf hopper resistant alfalfa with a solid disease package. Taproot for drought tolerance.
<b>Clovers</b>					
<i>Best for grazing &amp; silage. For better establishment &amp; more productive stands, inoculate before seeding.</i>					
Premium Clover Mix	25	OC	\$184.00	4 to 6	A mixture of premium red, white and ladino clovers. Seed alone or with grass. (LIMITED SUPPLY)
<sup>sio</sup> Common Medium Red	50	OC	\$267.00	4 to 20	A VNS red clover.
<sup>sio</sup> Harmonie Red Clover	55	UT	\$306.00	4 to 20	A European red clover.
Klondike Ladino Clover	25	OC	\$256.00	2 to 4	A quick growing, large leaf clover. Include with pasture seeding or overseed into pastures.
Renegade Red Clover	25	OC	ASK	4 to 20	An improved red clover.
Rivendel White Clover	25	OC	\$246.00	2 to 5	A very persistent, small leaf white clover.
<b>Festulolium</b>					
Fojtan	50	UT	\$270.00	30 to 40	A long lived heat tolerant tall fescue type with good nutrition.
<b>Meadow Fescue</b>					
Liherold	55	UT	\$394.00	35 to 45	A top performing variety with strong early growth.
<b>Orchardgrass</b>					
Echelon	25	UT	\$136.00	20	A very late heading and high yielding orchardgrass variety.
Lidacta	33	UT	\$177.00	20	A leafy, medium-late European orchardgrass variety.
<b>Ryegrass- Annual Ryegrass</b>					
<sup>sio</sup> VNS Annual Ryegrass	50	UT	ASK	40 to 150	A fast starting grass for patching up abuse areas.
<b>Ryegrass- Italian &amp; Intermediate</b>					
KingFisher Allegro Blend	50	MST	\$125.00	35 to 45	A KF tetraploid, diploid Italian ryegrass blend.
Astoncrusader	55	UT	\$157.00	35 to 45	A high-yielding intermediate ryegrass.
<b>Ryegrass- Perennial</b>					
<i>Highest energy grass. Great spring and fall production. Needs high fertility and moisture.</i>					
KingFisher TD Blend	33	MST	\$150.00	35 to 45	A KF blend of European tetraploid and diploid varieties.
Premium	50	UT	\$223.00	35 to 40	An intermediate maturing diploid variety that does well under lower nitrogen fertility.
<b>Tall Fescue</b>					
<i>Tolerates drought, heat, wet soil and traffic. Very long lived.</i>					
Kora Tall Fescue	25	UT	\$147.00	35 to 45	Extremely productive. Hay type. Very digestible.
Lipalma	55	UT	\$249.00	35 to 40	Very high yielding hay type with late maturity. Improved digestibility with no endophyte.
<b>Timothy</b>					
<i>A very palatable grass.</i>					
Dolina Timothy	50	UT	\$265.00	10 to 15	An improved high-yielding variety. Similar maturity as climax.
<b>Seasonal Annuals</b>					
Badger Oats	50	UT	\$39.00	100	An early high-yielding grain oat with high test weight. For short season forage sow 150 lbs/acre.
Deon Oats	48	UT	\$43.00	100	A high-yielding early to medium oat with high test weight. Can also be used for forage at 130 lbs/acre.
Jerry Oats	48	UT	\$42.00	100	A taller, older oat variety. Can be used for forage forage at 130 lbs/acre.
Reeves Oats	48	UT	\$38.00	95 to 130	An early, dual-purpose oat that is 1-2 days later than Badger.
AC Morgan Oats	48	UT	\$43.00	100	A high-yielding early to medium oat with high test weight. Can also be used for forage at 130 lbs/acre.
Surge Spring Triticale	50	UT	\$36.00	125 to 150	Forage spring triticale. Tall-awned, forage type. Medium maturity.
40-10 Spring Peas +	50	UT	\$59.00	80 to 100	A high quality purple flower forage pea. Can be planted Spring or Fall. Small seed size.
Lifago Buckwheat	55	UT	\$102.00	25 to 35	Small seeded buckwheat for cover crop programs. Not for grain or attracting pollinators.
360 SB Soybeans +	50	UT	\$72.00	150 to 180	Organic 3.6 maturity.
AS 9301 BMR Sudangrass	50	UT	\$141.00	25 to 30	Exciting sudangrass that dries down quickly with superb quality & yield.
AS 6201 BMR SSX	50	UT	\$109.00	40 to 50	A fast starting variety.
<sup>sio</sup> KF Sugar-Pro 55 BMR SSX	50	UT	ASK	40 to 50	A high-yielding dry-stalk BMR sorghum sudan. Dries easier than other sorghum sudans.

## SEED STIMULANTS

	Package Size	Price	Rate	Comment:
<b>KF BioTrigger, ABM, MST &amp; GroPak</b>				<b>NOTE: At this time, do not use both KF BioTrigger &amp; MST together.</b>
KF BioTrigger Corn	4 oz. per pack	\$119.00	8 units	A micronutrient package that includes Mn, S, & Zn that accelerates seedling establishment plus crop specific Trichoderma fungi inoculant to enhance root development over the life cycle of the crop. KF BioTrigger inoculants also serve as a seed lubricant.
	case price (12 pks)	\$1,365.00	96 units	
KF BioTrigger Annual Grasses / Cereals	24 oz. per pack	\$104.00	2000 lbs.	
	case price (6 pks)	\$607.00	12,000 lbs.	
sio Graph-Ex Cover Crop	4 oz. per pack	\$16.00	100 lbs.	Strain specific Trichoderma fungi inoculant for increased stress tolerance, Rhizobia inoculant for nitrogen fixation plus seed lubricant. Legumes include but are not limited to: peas, vetches, sunn hemp, cowpeas, & true clovers.
sio Graph-Ex Alfalfa/Clover (OMRI-listed)	4 oz. per pack	\$18.50	100 lbs.	Strain specific Trichoderma fungi inoculant for increased stress tolerance, Rhizobia inoculant for nitrogen fixation plus seed lubricant.
sio SabrEx PB for Corn (OMRI-listed)	1 oz. per pack	\$35.00	2 units	Strain specific Trichoderma fungi inoculant for increased stress tolerance plus seed lubricant.
Myco Seed Treat (MST)	1 lb.	\$56.00	2 to 8 oz. per 100	An all natural non-GMO seed treatment that increases seedling vigor and overall plant health through a healthier root zone. OMRI-listed. Not to be used with KF BioTrigger products.
Myco Seed Treat (MST)	5 lb.	\$259.00		
GroPak	12 lb.	\$105.00	3-8 oz. per acre	A hopper box seed treatment that replaces talc & graphite, speeds plant establishment, improves soil environment for germinating seeds. Contains S, MN, Mo & Zn.

### Seed Inoculants- OMRI listed

	Pkg	Price	For seed that was not preinoculated or coated. Treats 100# of clover or alfalfa. Code # 2372
Prevail Alfalfa/Clover Inoculant	Pkg	\$16.00	
N-Dure Pea/Vetch Inoculant	Pkg	\$12.50	For seed that was not preinoculated or coated. Treats 100# of seed. Code # 2400
N-Dure Peanut Inoculant	Pkg	\$12.50	For use on Cow Peas, Sunn Hemp, and Lespedeza. Treats 100# of seed. Code #3080
N-Dure Soybean	Pkg	\$15.50	For use on Soybeans. Treats 300# of seed (6 units). Code #2317
N-Dure Soybean (LARGE)	Pkg	\$51.00	For use on Soybeans. Treats 1500# of seed (30 units). Code #2315

## LALLEMAND FORAGE INOCULANTS

Lallemand Forage Inoculants		Price Per Container	Price Per Ton	The Following Are Available at King's Warehouse in <u>Less than Case Quantities</u> :
NEW Magniva PLATINUM	100TT	\$209.00	\$2.09	Lowers pH by reducing dry matter losses and improving nutrient retention for enhanced feedout value. Can achieve aerobically stable silage in as soon as 15 days!
Magniva TITANIUM	100TT	\$185.00	\$1.85	Achieve a fast front-end forage fermentation, improve digestibility and maintain aerobic stability to maximize the amount of top-quality silage available at feedout. (Treats 66 tons when applying to high moisture corn.)
Magniva TITANIUM OMRI	50TT	\$124.00	\$2.48	An OMRI-listed product. Achieve a fast front-end forage fermentation, improve digestibility and maintain aerobic stability to maximize the amount of top-quality silage available at feedout. (Treats 33 tons when applying to HMC.)
Magniva SILVER	100TT	\$105.00	\$1.05	Drives front-end fermentation to reduce dry matter losses, along with reducing heating during feedout for more available feed.
Magniva SILVER dry-applied	50lb. Bag-100TT	\$130.00	\$1.30	See above description, but in granular form.
Magniva SILVER OMRI	50TT	\$81.00	\$1.62	An OMRI-listed product. Drives front-end fermentation to reduce dry matter losses, along with reducing heating during feedout for more available feed.
Magniva Hay	10TT	\$67.00	\$6.70	A non-corrosive biological inoculant. Allows hay to be baled at a higher moisture and retains more nutrients and protein.

Lallemand Forage Inoculants		The Following Are Available for <u>Direct Shipment In Per Case Quantities</u> :		
NEW Magniva PLATINUM	10-100TT	\$1,978.00	\$1.98	Lowers pH by reducing dry matter losses and improving nutrient retention for enhanced feedout value. Can achieve aerobically stable silage in as soon as 15 days!
	4-500TT	\$3,743.00	\$1.87	
Magniva TITANIUM	10-100TT	\$1,752.00	\$1.75	Achieve a fast front-end forage fermentation, improve digestibility and maintain aerobic stability to maximize the amount of top-quality silage available at feedout.
	4-500TT	\$3,287.00	\$1.64	
Magniva TITANIUM OMRI	10-50 TT	\$1,166.00	\$2.33	An OMRI-listed product. Achieve a fast front-end forage fermentation, improve digestibility and maintain aerobic stability to maximize the amount of top-quality silage available at feedout.
	10-200TT	\$4,313.00	\$2.16	
Magniva SILVER	10-100TT	\$978.00	\$0.98	Drives front-end fermentation to reduce dry matter losses, along with reducing heating during feedout for more available feed.
	4-500TT	\$1,734.00	\$0.87	
Magniva SILVER dry-applied	40 bags-100TT	\$4,448.00	\$1.11	<b>*Freight is not included on the dry applied inoculant. Please contact the office for a freight quote.</b>
Magniva SILVER OMRI	10-50 TT	\$754.00	\$1.51	An OMRI-listed product. Drives front-end fermentation to reduce dry matter losses, along with reducing heating during feedout for more available feed.
	10-200TT	\$2,660.00	\$1.33	
Magniva CLASSIC	10-100TT	\$669.00	\$0.67	Provides a fast, efficient initial fermentation, increased dry matter recovery and improved protein retention.
	4-500TT	\$1,116.00	\$0.56	
Magniva Hay	10-10TT	\$607.00	\$6.07	A non-corrosive biological inoculant. Allows hay to be baled at a higher moisture and retains more nutrients and protein.