HIGH QUALITY HYBRID GRAIN AND FORAGE SORGHUM, CERTIFIED WHEAT AND ALFALFA SEED VARIETIES











\bigvee WE **ARE**

Established in 2013, Heartland Genetics was developed by a diverse group of Midwestern seedsmen, with a combined 100 plus years of seed business experience. Our focus is on superior seed varieties, with a dedicated focus on bringing high yielding varieties, drought tolerance, standability, and pest resistances to the Great Plains marketplace.

Heartland Genetics provides top quality Hybrid Grain and Forage varieties, specifically selected for the tough growing conditions of the high plains.

Heartland Genetics offers an unrivaled. broad, dynamic grain sorghum product portfolio, treated whenever possible with Syngenta's Concep® seed safener and Cruiser® insecticide bringing high yields, good standability, drought tolerance, insect resistance, and more. On the forage side, we offer conventional and cutting edge technologies with the newest innovations of Brown Mid Rib livestock feed products.

This year, we are pleased to announce the addition of Igrowth® Grain Sorghum Seed to the Heartland Genetics lineup. Igrowth® is a non-GMO herbicide Tolerant system utilizing IMIflex™ the only herbicide registered for the use of Igrowth® sorghum, controlling the toughest Broadleaf weeds and grasses, boosting yield potential in Grain and Forage Sorghum production.

We are proud to continue to offer HGCutAbuv, a great new Conventional Alfalfa variety, and HG-Force an exciting new Certified Wheat variety for the high plains. At Heartland Genetics, we will continue to select and research new seed varieties that will increase production and your bottom line. Let us, along with your local associate, help you position the right hybrids on your acres for a profitable and successful year.

We thank you in advance for considering Heartland Genetics Seed varieties.









HG19-R NEW!

HG19-R is a new Early Red hybrid Grain Sorghum release from Heartland Genetics, 19-R is short and uniform with a semi-open head type and has very good drought tolerance with excellent standability. HG19-R works well as a double crop grain sorghum or for later planting areas of the high plains. 19-R has a consistent, strong agronomic package and performs very well on tough dryland conditions. 19-R provides excellent yields with quick dry down and ease of harvest. 19-R has a smaller seed size, usually 18,000 seeds per lb.

HG23-R

HG23-R is an early maturing, Red-colored grain hybrid. HG23-R can be planted for doublecrop after wheat, late planting or re-plant situations. This hybrid has excellent emergence and plant health with very good standability plus very good drought tolerance. HG23-R has above average head exertion and very good threshability allowing for ease of harvest.

Key Features

YIELD FOR MATURITY										
STANDABILITY										
DROU	GHT TO	LERAN	CE							
EMERO	GENCE									
10	9	8	7	6	5	4	3	2	1	

Rating: 1 = best / 10 = poorest

Key Features

YIELD FOR MATURITY										
STAND	ABILITY	1								
DROU	GHT TO	LERANG	CE							
EMERGENCE										
10	9	8	7	6	5	4	3	2	1	

Rating: 1 = best / 10 = poorest

Plant Description

RELATIVE HEIGHT	34" - 36"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	RED
AVG SEEDS/POUND	18,000



Plant Description

RELATIVE HEIGHT	36" - 40"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	RED
AVG SEEDS/POUND	12,500



HG29-C NEW!





HG29-C is a new, Early Cream-colored hybrid grain sorghum from Heartland Genetics. 29-C has very high yield for its maturity often out producing medium varieties. It is well adapted for mid or late planting because of its excellent drought tolerance and performs well in dryland conditions. HG29-C is tolerant to high pH soils, has excellent standability, quick dry down and is Sugar Cane Aphid resistant, making it an excellent choice for the High Plains of Kansas and Southern Nebraska.

HG34-C NEW!





HG34-C is a new Cream-colored hybrid grain sorghum from Heartland Genetics. 34-C has very good plant uniformity with excellent stay green and drought tolerance. HG34-C is a tough, durable hybrid best suited for dryland production across the high plains. 34-C has excellent early seedling vigor and produces a semi-compact head, high stable yields and is Sugar Cane Aphid resistant.

Key Features

YIELD FOR MATURITY										
STANE	STANDABILITY									
DROUGHT TOLERANCE										
DROU	GHI IO	LERANG	٥Ē							
DROU	GHI IO	LERANO	JE							
EMER		LERAN(JE							

Rating: 1 = best / 10 = poorest

Plant Description

RELATIVE HEIGHT	32" - 36"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	CREAM
AVG SEEDS/POUND	16,000



Kev Features

_												
YIELD	YIELD FOR MATURITY											
STAND	STANDABILITY											
DROU	GHT TO	LERAN	CE									
EMERO	GENCE											
10	0	8	7	6	5	1	3	2	1			

Rating: 1 = best / 10 = poorest

Plant Description

I	
RELATIVE HEIGHT	40" - 46"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	CREAM
AVG SEEDS/POUND	16,000





HG46-R BULLET IG[®] NEW!







HG46-R Bullet IG® is a new Red, medium maturing grain sorghum hybrid. HG46-R Bullet IG® is a tough dryland or irrigated hybrid with outstanding head exertion, standability, test weights, SCA resistance, and high yields.

Igrowth® is a non-GMO herbicide tolerant system utilizing ImiFlex™, the only herbicide registered for use with Igrowth® sorghum, controlling the toughest broadleaf weeds and grasses, boosting yield potential.

Key Features

reg : cores co									
YIELD FOR MATURITY									
STANDABILITY									
DROU	GHT TO	LERANG	CE						
EMERGENCE									
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Description

36" - 44"		
SEMI-COMPACT		
RED		
14,800		



Our variety release is called HG46-R Bullet IG®, a high yielding medium maturing Red grain sorghum. Additional information and yield data is available. Note: Stewardship agreements are required and will be provided to you. Seed suppliers for 2024 are very limited.

Sorghum growers now have an easy way to get the most value from their sorghum acres, IMIFLEX™ Herbicide is the only IMI herbicide certified for use with the innovative, non-GMO Igrowth® sorghum production system. Broad-spectrum and residual IMIFLEX™ controls even the toughest grass and broadleaf weeds in Igrowth® sorghum, helping realize the full potential of your sorghum acres. IMIFLEX™ is also flexible, as it can be used pre- or post-emergence in conservation or conventional tillage production systems.





HG48-B2 is a brand new medium maturity hybrid Grain Sorghum with outstanding resistance to Sugar Cane Aphid. HG48-B2 has a semi-open head type with strong stalks, staygreen qualities, uniformity, and high yields. 48-B2 has excellent drought stress tolerance and is well adapted to the broad geography of the Great Plains. HG48-B2 with SCA resistance is a great addition to the HG Grain Sorghum lineup!

HG53-B





HG53-B is a new medium-full maturing grain sorghum release from Heartland Genetics. HG53-B has very good stalk quality. It performs best under irrigation and favorable dryland conditions. It produces bronze-colored grain on a semi-open head type and shows excellent resistance to SCA, making it a great choice. HG53-B is very uniform with excellent standability.

Kev Features

YIELD	FOR MA	ATURITY	,						
STAND	ABILITY	1							
DROU	GHT TO	LERANG	CE						
EMERGENCE									
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Description

RELATIVE HEIGHT	44" - 46"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	BRONZE
AVG SEEDS/POUND	13,300



Key Features

	00.00								
VIELD		ATURITY							
TILLD	FOR IVIA	ATORITI							
STAND	ABILITY	1							
DROU	GHT TO	LERAN	CE						
EMERO	GENCE								
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Description

RELATIVE HEIGHT	46" - 48"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	BRONZE
AVG SEEDS/POUND	13,500





POPULATION & SEEDS PER POUND

PLANTING CHART

Seeds per pound vary with each different hybrid. Make sure to check your seed size, then use the chart below to calculate your seeding rate.

Plant Stand for Sorghum by Seed per Pound

SEED POPULATION	30,000	40,000	50,000	60,000	70,000	80,000
SEEDS/LB						
11,000	2.7	3.8	4.6	5.5	6.4	7.3
11,500	2.6	3.6	4.4	5.2	6.1	7.0
12,000	2.5	3.3	4.2	5.0	5.8	6.7
12,500	2.4	3.2	4.0	4.8	5.6	6.4
13,000	2.3	3.1	3.9	4.6	5.4	6.2
13,500	2.2	3.0	3.7	4.4	5.2	5.9
14,000	2.1	2.8	3.6	4.3	5.0	5.7
14,500	2.0	2.7	3.5	4.1	4.8	5.5
15,000	2.0	2.6	3.4	4.0	4.7	5.3
15,500	1.9	2.6	3.3	3.9	4.5	5.2
16,000	1.9	2.5	3.2	3.8	4.4	5.0
16,500	1.8	2.4	3.1	3.6	4.2	4.8
17,000	1.7	2.3	3.0	3.5	4.1	4.7
17,500	1.6	2.1	2.8	3.2	3.8	4.3
18,000	1.5	2.0	2.7	3.1	3.6	4.1
18,500	1.4	1.9	2.5	2.9	3.4	3.9
19,000	1.4	1.7	2.4	2.8	3.2	3.7
19,500	1.3	1.6	2.3	2.6	3.0	3.5
20,000	1.2	1.5	2.1	2.4	2.9	3.2

GRAIN SORGHUM CHARACTERISTICS

















SUGAR CANE APHID KEY





= Resistant



= Tolerant

Grain Sorghum

	HG19-R	HG23-R	HG29-C	HG34-C	HG48-B2	HG53-B	HG46-R BULLET IG®
MATURITY	E	Е	Е	ME	М	ML	М
GRAIN COLOR	RED	RED	CREAM	CREAM	BRONZE	BRONZE	RED
APPROX. DAYS TO MID-BLOOM	52	57	58	63	64	74	65
APPROX. SEEDS PER LB.	18,000	12,500	16,000	16,000	13,300	13,500	14,800
HEIGHT	34"-36"	36"-40"	32"-36"	40"-46"	44"-46"	46"-48"	36"-44"
DROUGHT TOLERANCE	1	2	1	1	2	2	2
STANDABILITY	1	2	1	1	2	2	2
HEAD EXERTION	2	2	2	2	2	2	1

Rating: 1 = best / 9 = poorest



SORGHUM VARIETIES



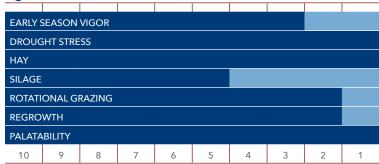
HG-TIFLEAF III

HG-TIFLEAF III is a new shorter dwarf type hybrid pearl millet that will produce quick high yielding forage. TIFLEAF III has a shorter plant structure meaning that the forage is very high quality, full of high protein, and TDN because it is mostly all leaves. TIFLEAF III can be utilized for multiple cut swathing and baling or for grazing. TIFLEAF III is very uniform, tolerates high temperatures and humidity well. For the best uniform emergence, plant when soil temperatures reach 65 degrees and not more than ½" to ¾" deep.

HG-SWEET DWARF-SS

HG-SWEET DWARF-SS is an exciting new brown mid rib, dwarf type sorghum x sudangrass that can be used for single cut, multiple cut, or grazing purposes. HG-SWEET DWARF has double the amount of leaves with only half the height of a normal sorghum x sudan, creating fast ground cover with leafy high-quality forage that is extremely digestible. HG-SWEET DWARF'S reduced height allows utilization for grazing livestock with increased leaf concentration making grazing management ideal.

Agronomic Traits



Rating: 1 = best / 10 = poorest

Plant Traits

MATURITY	60 DAYS TO BOOT	60 DAYS TO BOOT				
APPROX. SEEDS/POUND	50,000					
Pounds/A	DRYLAND	IRRIGATED				
ROWS	6-8 lbs.	10-12 lbs.				
DRILLED	12 lbs	15-20 lbs				

Agronomic Traits

EARLY SEASON VIGOR									
DROUGHT STRESS									
HAY									
SILAGE									
ROTATIONAL GRAZING									
REGROWTH									
PALATA	BILITY								
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Traits

MATURITY	60-75 DAYS TO BOO	60-75 DAYS TO BOOT				
APPROX. SEEDS/POUND	18,000	18,000				
Pounds/A	DRYLAND	IRRIGATED				
ROWS	6-8 lbs.	20-30 lbs.				
DRILLED	20-25 lbs.	20-35 lbs.				

HG63-SS

HG63-SS is a new improved premium sorghum x sudangrass hybrid best suited for grazing or multiple hay cuttings. With a moderate seeding rate, the stems are fine and juicy. The leaves are highly nutritious promoting greater intake, improved digestibility, and increased livestock performance. HG63-SS has exceptional heat and drought stress tolerance and very fast re-growth after cutting.

Agronomic Traits

EARLY S	SEASON	VIGOR							
DROUGHT STRESS									
HAY									
SILAGE									
ROTATI	ONAL G	RAZING							
REGROWTH									
PALATA	BILITY								
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Traits

MATURITY	70 DAYS TO BOOT
MID RIB TYPE	JUICY
APPROX. SEEDS/POUND	18,000-21,000

Pounds/A	DRYLAND	IRRIGATED
ROWS	6-8 lbs.	20-30 lbs.
DRILLED	20-30 lbs.	25-35 lbs.

H-BMR66-SS

H-BMR66-SS is a sorghum x sudangrass hybrid with the brown mid rib gene. H-BMR66-SS has exceptional palatability and has shown marked reduction of Lignin content in the plant. This sorghum x sudan is well suited for grazing or multiple hay cuttings and offers the best quality, sweetness, and tonnage of all of our sorghum x sudan types.

Testimonial:

I drill the H-BMR66 sorghum sudangrass at 25 lbs. per acre and have really been pleased with the fine stems, high quality, tonnage, and overall palatability. Excellent product! Doug Melton Woodston, KS

Agronomic Traits

EARLY SEASON VIGOR									
DROUGHT STRESS									
HAY									
SILAGE									
ROTATIONAL GRAZING									
REGROWTH									
PALATABILITY									
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Traits

MATURITY	70-75 DAYS
MID RIB TYPE	BROWN
APPROX. SEEDS/POUND	16,000-18,000

Pounds/A	DRYLAND	IRRIGATED		
ROWS	6-8 lbs.	20-30 lbs.		
DRILLED	20-30 lbs.	25-35 lbs.		

H-BMR PHOTO SWEET 69-SS NEW!

H-BMR PHOTO SWEET 69-SS is a photoperiod sensitive sorghum x sudangrass hybrid. Photoperiod sensitive means it will grow all season before it heads out. PHOTO SWEET 69-SS has improved drought tolerance and increased tonnage. We recommend harvesting for hay at 45" to 50" in height, usually around 70 days after planting, however since it is a photoperiod sensitive, PHOTO SWEET 69-SS can be left to grow up to 10 feet in height and then chopped and ensiled. Since PHOTO SWEET 69-SS is also a brown mid rib, it has reduced Lignin, which increases the digestibility and utilization.

Agronomic Traits

EARLY SEASON VIGOR									
DROUGHT STRESS									
НАУ									
SILAGE									
ROTATI	ONAL G	RAZING							
REGROWTH									
PALATABILITY									
10	9	8	7	6	5	4	3	2	1

Plant Traits

Rating: 1 = best / 10 = poorest

MATURITY	70-75 DAYS
MID RIB TYPE	BROWN
APPROX. SEEDS/POUND	16,000-18,000

Pounds/A	DRYLAND	IRRIGATED		
ROWS	6-8 lbs.	20-30 lbs.		
DRILLED	20-30 lbs.	25-35 lbs.		

HG71-HF

HG71-HF is a sweet stalked, male sterile, medium maturity hybrid with a high yield track record. This hybrid is best suited for hay production or silage. HG71-HF adapts well in most soils and growing conditions and will average 8' in height. This hybrid should be cut in the late boot stage for the highest quality and tonnage.

Agronomic Traits

EARLY SEASON VIGOR									
DROUGHT STRESS									
STAND	ABILITY								
HAY									
SILAGE									
ROTATI	ONAL G	RAZING							
REGRO	REGROWTH								
PALATABILITY									
10	9	8	7	6	5	4	3	2	1

Plant Traits

Rating: 1 = best / 10 = poorest

MATURITY	MEDIUM
MID RIB TYPE	CLOUDY
APPROX. SEEDS/POUND	19,000
STALK	JUICY

Pounds/A	DRYLAND	IRRIGATED		
ROWS	6-8 lbs.	8 lbs.		
DRILLED	20-25 lbs.	25 lbs.		

H-BMR73-HF

H-BMR73-HF is a medium early maturity, male sterile, brown mid rib hybrid forage used for hay or early silage production.
The BMR trait keeps the Lignin levels low, creating better feed values due to increased digestibility. H-BMR73-HF will produce the highest quality with excellent tonnage for your livestock operation.



Agronomic Traits

EARLY S	EARLY SEASON VIGOR								
DROUGHT STRESS									
STANDABILITY									
HAY									
SILAGE									
GRAZIN	IG								
REGRO	REGROWTH								
PALATA	PALATABILITY								
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Traits

MATURITY	85-90 DAYS
MID RIB TYPE	BROWN
APPROX. SEEDS/POUND	16,000
D 1 /A	

Pounds/A	DRYLAND	IRRIGATED		
ROWS	6-8 lbs.	10 lbs.		
DRILLED	20-25 lbs.	25 lbs.		



HG82-HF

HG82-HF is a traditional, medium maturity hybrid forage sorghum typically used for silage production. HG82-HF has tremendous drought tolerance and yield potential with excellent nutritional value. This hybrid has a shorter plant structure for good standability and will range from 6' to 7' in height. HG82-HF will produce a red grain head with high grain yields increasing overall silage quality.

HG-96-HF

HG-96-HF is a late maturing, tall hybrid forage sorghum used for silage production with high tonnage potential. Due to the high sugar content, stalks are very sweet and juicy. Plant height reaches 10' to 12' in height. HG-96-HF is for the producer seeking a full season, tall hybrid for maximum tonnage, and good overall silage quality.

Agronomic Traits EARLY SEASON VIGOR DROUGHT STRESS STANDABILITY HAY SILAGE **ROTATIONAL GRAZING REGROWTH PALATABILITY** 8 10 6 4 3 Rating: 1 = best / 10 = poorest= Not recommended

Plant Traits MATURITY 100 DAYS TO SOFT DOUGH MID RIB TYPE STANDARD NON-BMR APPROX. SEEDS/POUND 14,000-16,000

Pounds/A	DRYLAND	IRRIGATED		
ROWS	6-8 lbs.	10-15 lbs.		
DRILLED	8-9 lbs.	12-17 lbs.		

Agronomic Traits									
EARLY S	SEED VIG	iOR							
DROUG	DROUGHT STRESS								
STANDA	ABILITY								
HAY									
SILAGE									
	REGROWTH								
PALATABILITY									
10	9	8	7	6	5	4	3	2	1
Rating: 1	Rating: $1 = \text{best} / 10 = \text{poorest}$								

Plant Traits

MATURITY	FULL
STALK	JUICY
APPROX. SEEDS/POUND	14,500

Pounds/A	DRYLAND	IRRIGATED
ROWS	6-8 lbs.	8-10 lbs.
DRILLED	NR	NR

FORAGE VARIETIES

FORAGE CHARACTERISTICS

Forages



	HG TIFLEAF	HG SWEET DWARF	HG63-SS	H-BMR66-SS	H-BMR69-SS	HG71-HF	H-BMR73-HF	HG82-HF	HG96-HF
TYPE	Pearl Millet	SS	SS	SS	PHOTO SXS	HF	HF	HF	HF
MATURITY	Е	Е	М	М	L	М	М	М	FULL
HEIGHT	3-4'	3-4'	NR	NR	NR	8-10'	8-10'	6-7'	10-12'
STANDABILITY	1	1	1	1	2	2	2	2	4
MALE STERILE	No	No	No	No	No	Yes	Yes	No	No
GRAIN TO STOVER RATIO	NR	NR	NR	NR	NR	NR	None	High	Med
SEEDS PER LB.	50,000	18,000	20,000	17,500	15,000	19,000	16,000	14-16,000	14,500
HAYING IN ROWS	NR	NR	NR	NR	NR	6-8 lbs.	6-8 lbs.	6-8 lbs.	NR
HAYING DRILLED	12 lbs.	20-35 lbs.	20-35 lbs.	20-35 lbs.	20-35 lbs.	20-25 lbs.	20-25 lbs.	8-9 lbs.	NR
GRAZING	12 lbs.	20-35 lbs.	20-35 lbs.	20-35 lbs.	20-35 lbs.	NR	NR	NR	NR
SILAGE	NR	NR	NR	NR	6-8 lbs.	6-8 lbs.	6-8 lbs.	6-8 lbs.	8 lbs.

Rating: 1 = best / 9 = poorest

SUGAR CANE APHID KEY





= Resistant



= Tolerant

Ratings are based off of many field trials and university demonstrations.



HG-CUTABUV™BRAND

HG-CUTABUV™ BRAND is a unique new alfalfa product that brings strong yield potential along with a good balance of agronomic characteristics and above average forage quality. HG-CUTABUV has very good winter-hardiness and was selected for a combination of disease resistance. These characteristics make HG-CUTABUV adaptable to a wide range of growing conditions and soil types.

Agronomic Traits

YIELD									
WINTER HARDINESS									
FORAGE QUALITY									
RESISTANCE TO ROOT ROTS									
OVERALL DISEASE & PEST RESISTANCE									
ROTATIONAL GRAZING									
DRYLAND SUITABILITY									
10	9	8	7	6	5	4	3	2	1

Rating: 1 = best / 10 = poorest

Plant Traits

FALL DORMANCY	FD4
APPROX. SEEDS/POUND	135,000

Pounds/A	DRYLAND	IRRIGATED	
	15 lbs.	15-20 lbs.	

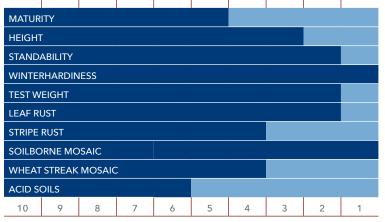


CERTIFIED WHEAT

HG-FORCE

HG-FORCE is a new hard Red winter wheat release from Heartland Genetics. HG-FORCE is a medium maturity wheat with a high yield history in Kansas and Southern Nebraska. Excellent winter hardiness with outstanding straw strength. HG-FORCE has good resistance to leaf rust and soilborne mosaic virus with moderate resistance to stripe rust and wheat streak mosaic virus.

Agronomic Traits



Rating: 1 = best / 10 = poorest











©2024 Heartland Genetics. All rights reserved. Heartland Genetics and the design logo are registered trademarks of Heartland Genetics.

Heartland Genetics warrants that its seed conforms to the label description, as required by federal and state seed laws. WE MAKE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, OF MERCHANTABILITY FOR A PARTICULAR PURPOSE, OR OTHERWISE. For more information, please read the back of the Heartland Genetics seed bag or visit www.HeartlandGeneticsLLC.com.





HIGH QUALITY HYBRID GRAIN AND FORAGE SORGHUM, CERTIFIED WHEAT, AND ALFALFA SEED VARIETIES

Beloit, KS 67420

Give us a call today or visit us online!

Phone: 785-738-5134 Toll Free: 1-800-705-4416

www.**HeartlandGeneticsLLC**.com

