



2016 SEED GUIDE

EVERY COMPANY HAS TEST PLOTS.

WE HAVE

**STANDING STRONG  
PROVING GROUNDS.**



# WHO WE ARE

**HEARTLAND GENETICS** WAS DEVELOPED BY A GROUP OF MIDWESTERN SEEDSMEN WHO HAVE 100 PLUS COMBINED YEARS OF AGRICULTURAL SEED BUSINESS EXPERIENCE THROUGHOUT THE GREAT PLAINS.

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.

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.

This year, we are excited to bring a new release to you. HG18-R is a very early Red Grain sorghum for early harvest

or double crop situations. Testing on HG18-R have been outstanding! The balance of the Heartland Genetics lineup have been standing strong and delivering big yields for our Great Plains producers!

**It's an exciting time to be in Agriculture with an equally exciting future ahead. We thank you in advance for considering Heartland Genetics Seed varieties.**



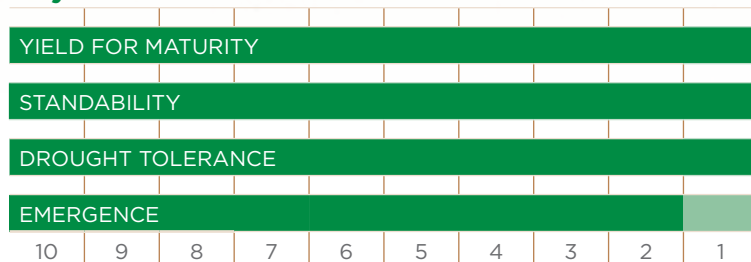
## SORGHUM VARIETIES



### HG18-R **NEW!**

**HG18-R** is a new, very early maturing grain sorghum release from Heartland Genetics. HG18-R has very good standability on a short statured plant and can be planted in rows or drilled. HG18-R produces red grain on a semi-open head type and shows excellent drought tolerance making it an excellent choice for dry conditions, or double crop production. HG18-R is very uniform, tillers well and provides very quick drydown and ease of harvest.

#### Key Features



Rating: 1 = best / 10 = poorest

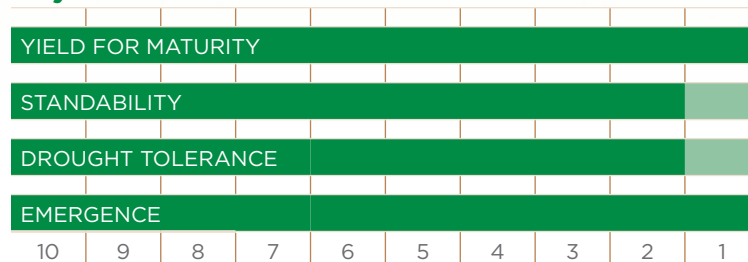
#### Plant Description

RELATIVE HEIGHT	32"-36"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	RED
AVG SEEDS/POUND	13,000

### 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



Rating: 1 = best / 10 = poorest

#### Plant Description

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

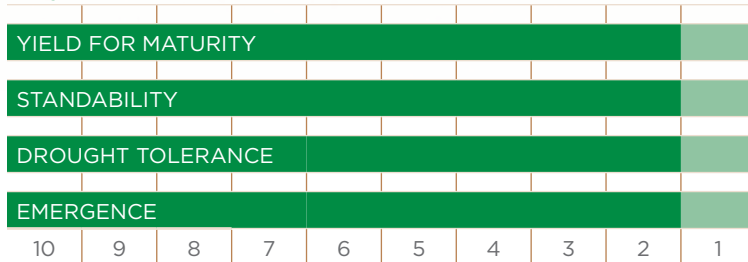


# SORGHUM VARIETIES

## HG35-W **NEW!**

**HG35-W** is a new white food grade, medium early variety that is well suited for the high plains of Kansas. HG35-W has excellent drought tolerance, standability, with good head exertion and field uniformity. HG35-W grows a tan plant producing brilliant white grain at harvest time. Excellent choice for producers wanting a medium early food grade sorghum.

### Key Features



Rating: 1 = best / 10 = poorest

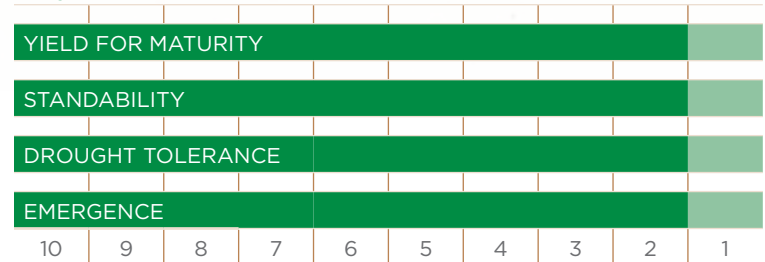
### Plant Description

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

## HG44-R

**HG44-R** is a medium maturing, shorter type, red colored grain hybrid. HG44-R has a wide area of adaption with excellent yield history across the high plains. HG44-R has excellent plant uniformity and standability. HG44-R finishes strong and has quick drydown. This hybrid has a semi-open head and good drought tolerance.

### Key Features



Rating: 1 = best / 10 = poorest

### Plant Description

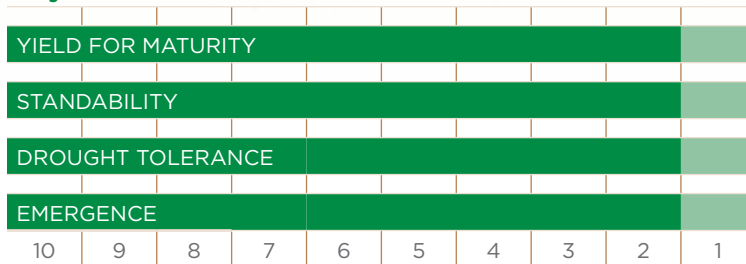
RELATIVE HEIGHT	38"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	RED
AVG SEEDS/POUND	13,500



## HG45-C

**HG45-C** is new genetics in the medium maturity range producing high yields of cream colored grain. HG45-C is a medium height, very showy, semi-open headed variety with excellent drought tolerance, head exertion, and standability. HG45-C has a large seed size and produces excellent test weight. Performs very well under minimum and no-till conditions. Plant when soil temperature reaches 60 degrees.

### Key Features



Rating: 1 = best / 10 = poorest

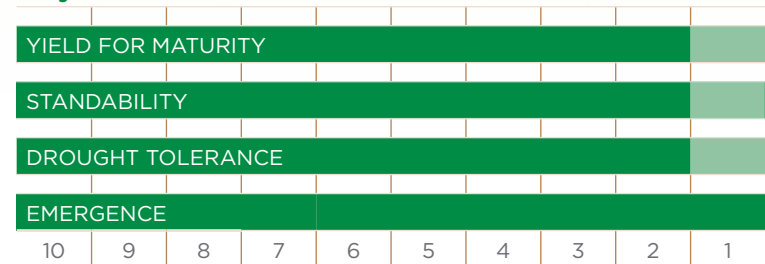
### Plant Description

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

## HG46-R

**HG46-R** is a medium maturing red colored grain hybrid. HG46-R is a medium tall hybrid with a semi-open head type. HG46-R has a very uniform plant type with high test weights and overall good yield history. This hybrid works well for dryland or limited irrigation across the high plains of Kansas.

### Key Features



Rating: 1 = best / 10 = poorest

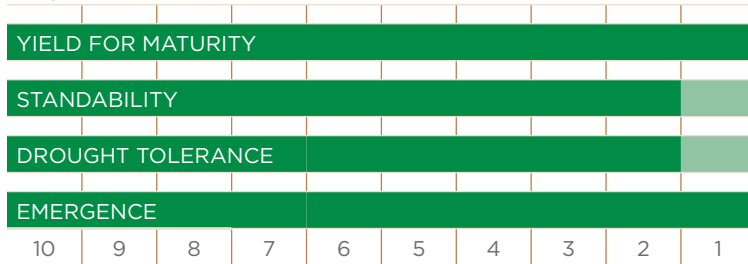
### Plant Description

RELATIVE HEIGHT	46"-48"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	BRIGHT RED
AVG SEEDS/POUND	12,500 - 14,000

## HG48-B

**HG48-B** is a medium maturing bronze colored grain hybrid. HG48-B is adapted to multiple environments, supported by a strong agronomic package. This hybrid produces good, consistent yields over a wide range of conditions. HG48-B has better early growth in cooler soils than most hybrids. HG48-B is medium in height with very good uniformity and standability. HG48-B has above average head exertion and very good threshability, maximizing ease of harvest.

### Key Features



Rating: 1 = best / 10 = poorest

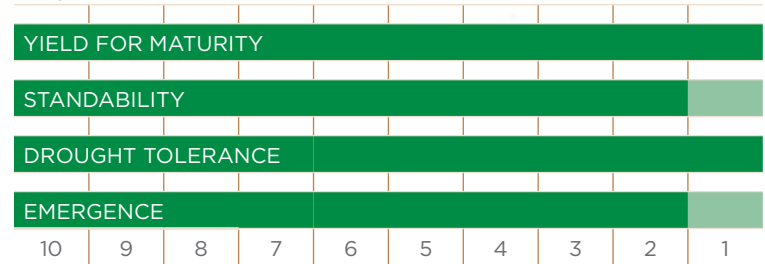
### Plant Description

RELATIVE HEIGHT	44"-46"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	BRONZE
AVG SEEDS/POUND	12,500

## HG49-C

**HG49-C** is a medium maturity, very showy cream colored hybrid with excellent adaptability in the Midwest. HG49-C has excellent standability, and high yield potential, also showing good drought tolerance. HG49-C also shows nice plant uniformity, and is overall a consistent durable hybrid; it is an excellent choice if you desire a tough medium cream hybrid with high yield potential.

### Key Features



Rating: 1 = best / 10 = poorest

### Plant Description

RELATIVE HEIGHT	48"
HEAD TYPE	SEMI-OPEN
GRAIN COLOR	CREAM
AVG SEEDS/POUND	15,000



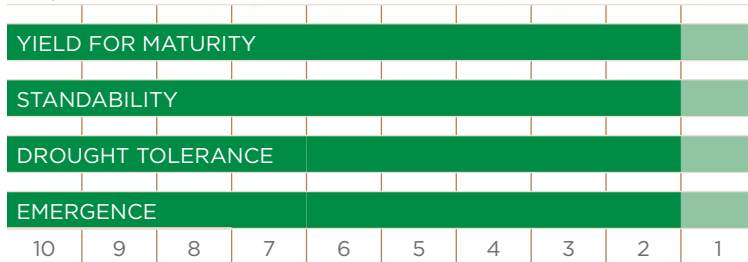
## HG52-B

**HG52-B** is a medium-full maturing bronze colored grain hybrid. HG52-B is well adapted to irrigation or favorable dryland production. HG52-B has excellent emergence and staygreen promoting a sturdy stalk and excellent late season standability. HG52-B is a medium tall hybrid with a semi-open head and very high yield potential.

## HG55-W

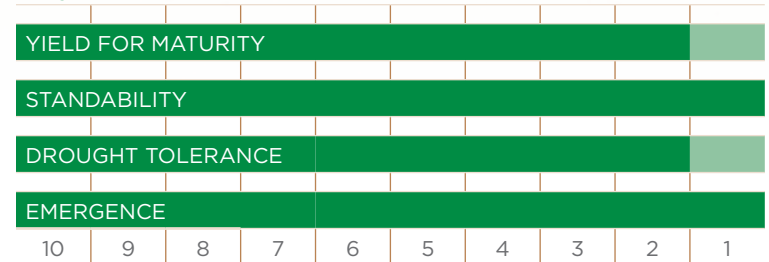
**HG55-W** is a high yielding medium late maturing white food grade sorghum with a tan plant. HG55-W has excellent foliar disease resistance, on a tall robust stalk, with good standability, producing very high grain yields. HG55-W is also widely chosen for high moisture grain for the dairy industry.

### Key Features



Rating: 1 = best / 10 = poorest

### Key Features



Rating: 1 = best / 10 = poorest

### Plant Description

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

### Plant Description

RELATIVE HEIGHT	55"
HEAD TYPE	SEMI-CLOSED
GRAIN COLOR	WHITE
AVG SEEDS/POUND	13,500



# GRAIN SORGHUM CHARACTERISTICS

## Grain Sorghum

	HG18-R	HG23-R	HG35-W	HG44-R	HG45-C	HG46-R	HG48-B	HG49-C	HG52-B	HG55-W
MATURITY	VE	E	ME	M	M	M	M	M	ML	ML
GRAIN COLOR	RED	RED	WHITE	RED	CREAM	RED	BRONZE	CREAM	BRONZE	WHITE
APPROX. DAYS TO MID-BLOOM	52	57	63	64	66	66	66	69	73	75
APPROX. SEEDS PER LB.	13,000	12,500	15,000	13,500	13,500	14,000	12,500	15,000	13,500	14,000
HEIGHT	32"-36"	36"-40"	36"-40"	36"-38"	44"-46"	46"-48"	44"-46"	46"-48"	48"-50"	50"-55"
DROUGHT TOLERANCE	1	2	2	2	2	2	2	1	2	1
STANDABILITY	1	2	2	1	2	2	2	2	1	2
HEAD EXERTION	1	2	2	2	2	2	1	2	2	1

Rating: 1 = best / 9 = poorest





***"I planted HG44-R and HG48-B Grain Sorghum. Both hybrids showed excellent emergence, uniformity with even stands producing high test weights and excellent yields. I am very pleased with my Heartland Genetics milo."***

*Gary Kriley · Esbon, KS*



# FORAGE VARIETIES

## 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



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.	35-50 lbs.
DRILLED	20-35 lbs.	35-50 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.

### Agronomic Traits



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.	35-50 lbs.
DRILLED	20-35 lbs.	35-50 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 8-10' in height. This hybrid should be cut in the late boot stage for the highest quality and tonnage.

### Agronomic Traits



Rating: 1 = best / 10 = poorest

### Plant Traits

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

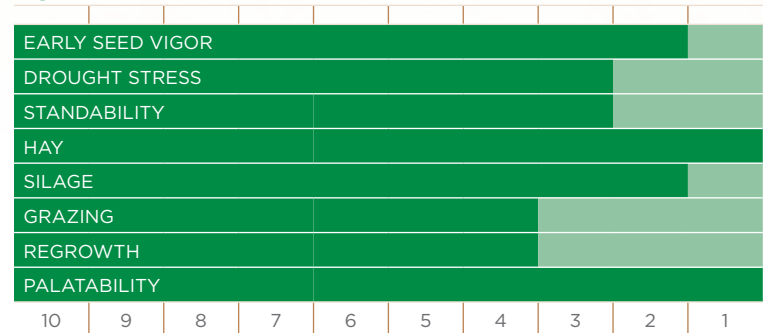
### Pounds/A

	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



Rating: 1 = best / 10 = poorest

### Plant Traits

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

### Pounds/A

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

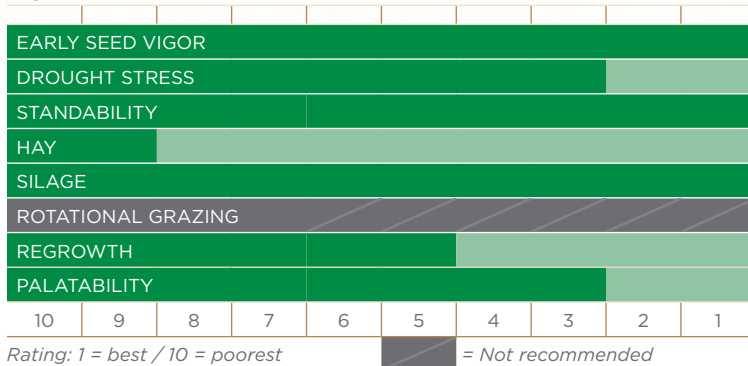


# FORAGE VARIETIES

## 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.

### Agronomic Traits



### Plant Traits

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

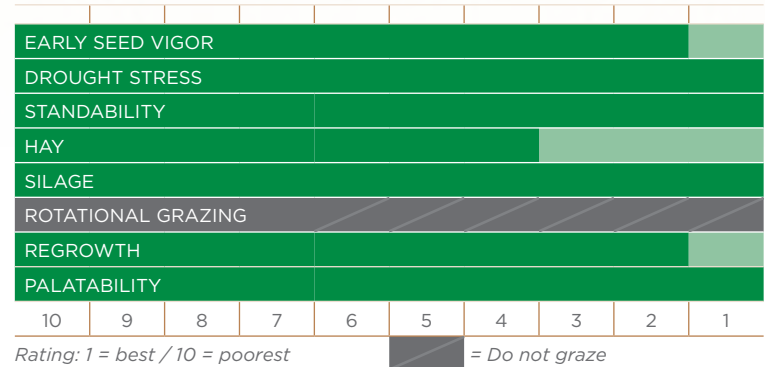
### Pounds/A

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

## H-BMR85-HF

**H-BMR85-HF** is the newest generation of BMR quality. H-BMR85-HF is a medium maturing hybrid forage sorghum used for silage production featuring the Brachytic dwarf characteristic. This trait reduces internode length, producing a very compact leafy forage sorghum. It will yield with taller sorghums but has the standability of shorter non BMR hybrids and will produce significantly lower stem Lignin concentrations creating much higher feed values. H-BMR85-HF will produce high yields, excellent quality silage with superior standability.

### Agronomic Traits



### Plant Traits

MATURITY	105 DAYS TO SOFT DOUGH
MID RIB TYPE	BROWN
APPROX. SEEDS/POUND	16,000

### Pounds/A

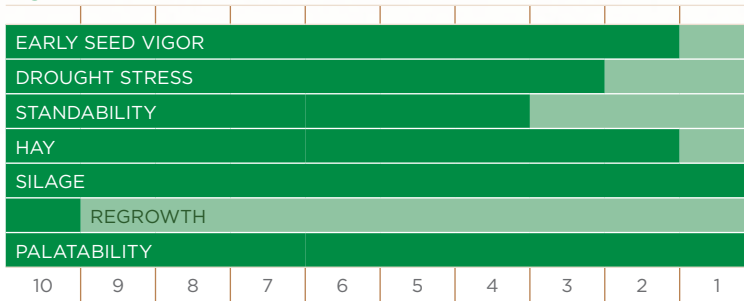
	DRYLAND	IRRIGATED
ROWS	5-8 lbs.	8-10 lbs.
DRILLED	6-8 lbs.	8-10 lbs.



## 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 10-12'. HG-96-HF is for the producer seeking a full season, tall hybrid for maximum tonnage and good overall silage quality.

### Agronomic Traits



Rating: 1 = best / 10 = poorest

### Plant Traits

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

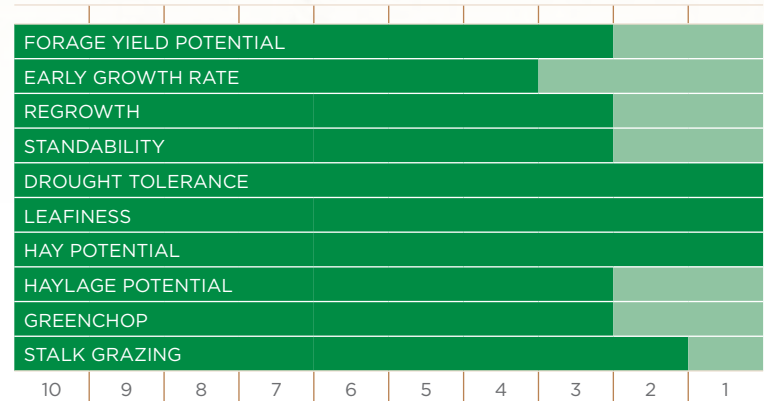
### Pounds/A

	DRYLAND	IRRIGATED
ROWS	6-8 lbs.	8-10 lbs.
DRILLED	10-15 lbs.	20-25 lbs.

## HG16-PM

**HG16-PM** is a hybrid pearl millet that produces high quality forage that is lush and leafy. HG16-PM works in hot dry conditions and is well suited for summer grazing and can also be used for hay and greenchop. HG16-PM is a great horse feed as a result of its commonly low prussic acid content.

### Agronomic Traits



Rating: 1 = best / 10 = poorest

### Plant Traits

MATURITY	85-90 DAYS
MID RIB TYPE	BROWN
APPROX. SEEDS/POUND	45,000

### Pounds/A

	DRYLAND	IRRIGATED
ROWS	6-8 lbs.	10-12 lbs.
DRILLED	10-15 lbs.	15-30 lbs.

## FORAGE CHARACTERISTICS

### Forages

	HG63-SS	H-BMR66-SS	HG71-HF	H-BMR73-HF	HG82-HF	H-BMR85-HF	HG96-HF	HG16-PM
TYPE	SS	SS	HF	HF	HF	HF	HF	Pearl Millet
MATURITY	M	M	M	M	M	M	FULL	M
HEIGHT	NR	NR	8-10'	8-10'	6-7'	6-7'	10-12'	5-7'
STANDABILITY	1	1	2	2	2	2	4	3
MALE STERILE	No	No	Yes	Yes	No	No	No	No
GRAIN TO STOVER RATIO	NR	NR	NR	None	High	Med	Med	NR
SEEDS PER LB.	20,000	17,500	19,000	16,000	14-16,000	16,000	14,500	45,000
HAYING IN ROWS	NR	NR	6-8 lbs.	6-8 lbs.	6-8 lbs.	6-8 lbs.	NR	NR
HAYING DRILLED	25-40 lbs.	25-40 lbs.	25 lbs.	20-25lbs.	8-9 lbs.	8 lbs.	NR	10-12 lbs.
GRAZING	25-40 lbs.	25-40 lbs.	NR	NR	NR	NR	NR	10-12 lbs.
SILAGE	NR	—	6-8 lbs.	6-8 lbs.	6-8 lbs.	6 lbs.	8 lbs.	NR

Rating: 1 = best / 9 = poorest

***"We planted HG82-HF silage under pivot behind oats on June 23. With the later planting, we still chopped 24 ton per acre on 7-8' plants with heavy grain set. HG82-HF will be a good fit for silage production in our operation."***

*Greiving Farms, Bill Greiving · Prairie View, KS*







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