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CATALOGUE



SORGHUM

SORGHUM



SORGHUM GRAIN

The hybrid sorghum produces grains particularly suitable for animal feeding as it has the following characteristics:

 **MEALY
TEXTURE
GRAIN**

▶ Higher starch degradability

 **SANITY**

▶ Absence of mycotoxins

From a nutritional standpoint, sorghum grain is similar to corn, and it is used in the same quantities and ways in animal feed rations.

HYBRID SORGHUM GRAIN

	Grain Color	Cycle	Plant Height	Head exertion	Production stability
KALATUR	White	Medium	Medium	Very good	Excellent
HORUS	White	Early	Medium	Very good	Excellent
ABERAS	White	Medium Early	Medium short	Very good	Very good
ARIANE	White	Early	Medium	Very good	Very good

SORGHUM FOR FORAGE

There are different types of forage sorghum, that could be divided into:

 **SORGHUM
SILAGE**

Tall (180-230 cm) hybrid grain sorghum, an alternative to corn in silage production under limited conditions. The plants have excellent stay-green and provide high-quality silage, suitable for all livestock (dairy or meat) and for biogas.

 **BIOMASS**

Sorghums characterized by a very tall size (300-400 cm) with high biomass production, good fiber digestibility (especially if BMR), and a decent sugar content. Some hybrids are suitable for a second cut.

 **MULTICUT
BIOMASS**

These are Sudan-type sorghums (or Sudan x bicolor hybrids) that allow up to 4 cuts during the season.

FORAGESORGHUM

	Hybrid type	Cycle	Plant Height	Usage type	Cuts nr.
IIMix MILKGAS	Silosorghum BMR	Medium	Medium tall	Silage	1
ARIGATO	Silosorghum BMR	Medium Early	Medium tall	Silage	1
JUSTUS	Silosorghum	Early	Medium	Silage	1
IIMix STARBMR	Silosorghum	Medium Early	Medium tall	Silage	1
PIPER	Multi-cut Sudan-type	Medium Early	Medium	Hay, wrapped, green	Up to 4

GRAIN SORGHUM HORUS

EARLY CYCLE

WHITE GRAIN

For early sowings



- **High cold resistance**
- **Great drought stress resistance**

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Medium-early
Maturity cycle	Early
Plant height	Medium
Head exertion	Very good

QUALITATIVE CHARACTERISTICS

Grain color	Pure white
TKW (gr)	30-32

SEEDING RATES

Seeds per m ²	40-45
Kg/ha	15

400.000 kernels bags

Consistently productive Sorghum in all environments. Thanks to its early cycle and good resistance to late cold stress, **Horus** allows for timely sowing and early harvesting compared to competitors, thus providing a better grain quality. These features, combined with excellent tolerance to water stress, allow cultivation even in environments where conditions are more challenging.



GRAIN
SORGHUM

KALATUR

EARLY CYCLE

WHITE GRAIN

Always at the top of productivity



- **Medium-early with excellent vigor**

- **Consistent yields in any site.**

SEEDING RATES

Recommended seeds per m ²	40-45
Kg/ha	18

400.000 kernels bags

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Medium-early
Maturity cycle	Medium-early
Plant height	Medium
Head exertion	Very good

QUALITATIVE CHARACTERISTICS

Grain color	White
TKW (gr)	37-39

Earliness and
high yield potential



- **Great earliness.**

- **Excellent early vigor.**

SEEDING RATES

Recommended seeds per m ²	40-45
Kg/ha	18

400.000 kernels bags

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Early
Maturity cycle	Early
Plant height	Medium
Head exertion	Very good

QUALITATIVE CHARACTERISTICS

Grain color	White
TKW (gr)	37-39



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ARIANE

Not afraid of drought
stress



- **Red, tannin-free grain.**

- **High yields even in challenging environments.**

SEEDING RATES

Recommended seeds per m² **35-40**

Kg/ha **13**

400.000 kernels bags

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle **Medium-early**

Maturity cycle **Early**

Plant height **Medium**

Head exertion **Very good**

QUALITATIVE CHARACTERISTICS

Grain color **Red**

TKW (gr) **31-33**

SILO SORGHUMO

JUSTUS

EARLY

110-115 GG

Compact silo sorghum
for maximum energy
per hectare

NEW



Rich panicle on a leafy, compact plant

High starch content ideal for use in the biodigester

Early cycle excellent for late sowing

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Medium - early
Maturity cycle	Early
Plant height	Medium . Tall (140-170 cm)
Head	Very consistent
Lodging tolerance	Very good

SEEDING RATE

Seeds/m ²	stress 28-32	irrigated 30-35
Kg/ha	8-10	10-13

Packages of 300.000 seeds

Justus is a unique product among silage sorghums. More compact than conventional silage sorghums, it compensates for its height with unique leafiness and panicle consistency, resulting in high yields of a high-energy silage with highly digestible fiber. Additional plus is its early cycle, allowing it to be used even in late-sowing.

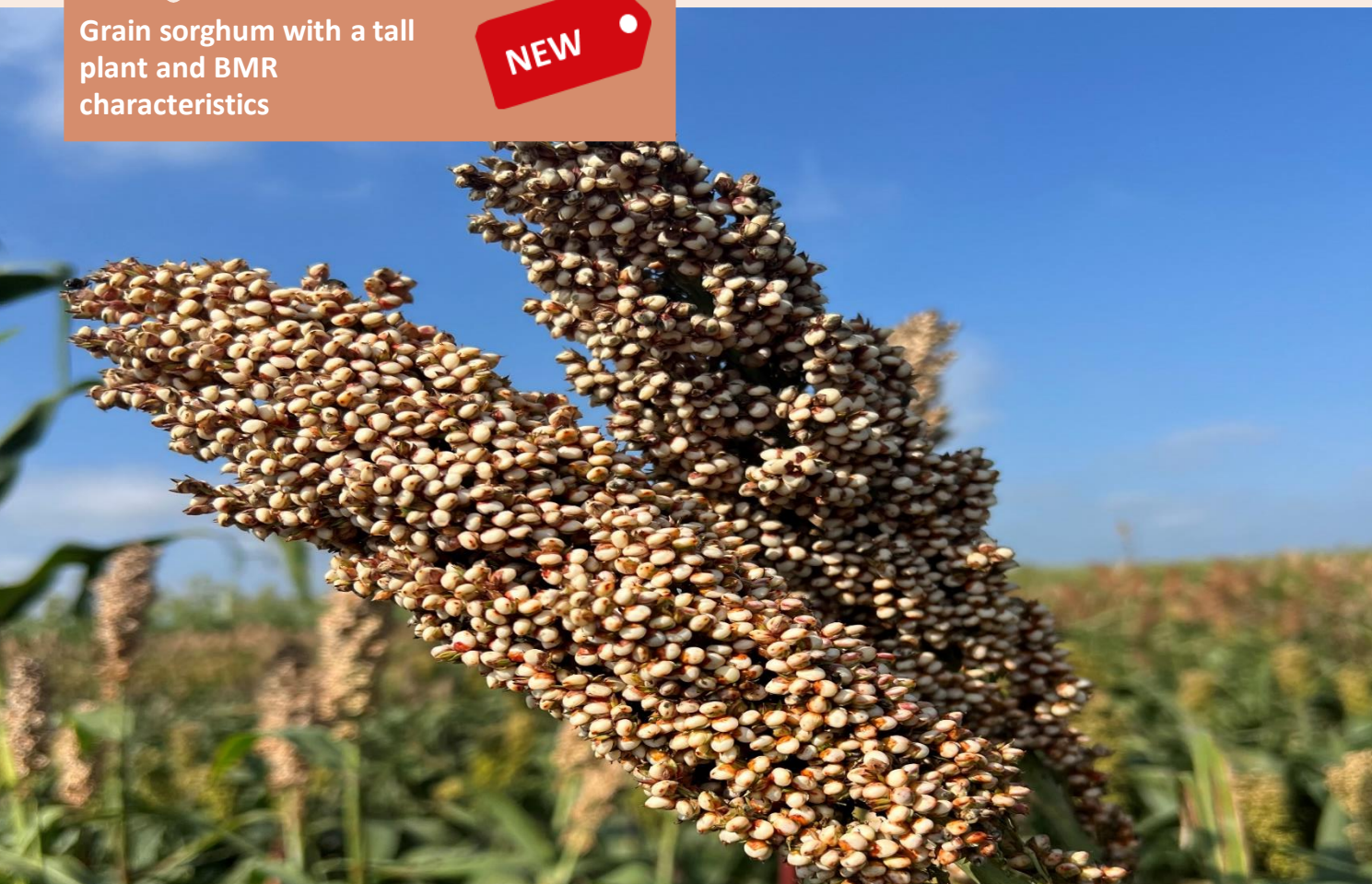
SILO SORGHUM ARIGATO

MEDIUM EARLY

112-118 GG

Grain sorghum with a tall plant and BMR characteristics

NEW



Highly digestible fiber for high performances in livestock farming and biogas

Stay green and BMR character ideal for high-producing dairy cows

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Medium
Maturity cycle	Medim - early
Plant height	Mid high (200-220 cm)
Leafiness	Good

SEEDING RATE

Seeds/m ²	stress 23-26	irrigated 29-32
Kg/ha	8-10	9-11

Packages of 300.000 seeds

ARIGATO is a next-generation forage sorghum hybrid with a BMR trait, boasting excellent agronomic characteristics in terms of stress tolerance and resistance to lodging. The plant has excellent stay-green, a characteristic that, combined with the BMR trait, promotes maximum fiber digestibility. This characteristic, always beneficial for livestock or biogas use, makes it particularly suitable for high-yielding dairy cows.

SILO SORGHUM

MEDIUM

115-121 GG

IIMix MILKGAS

The ideal BMR mix for highly digestible silage

NEW



Extremely leafy and highly resistant to lodging

Large panicle and BMR fiber for high energy silage

Adaptable to different growing environments

MORPHOPHYSIOLOGICAL TRAITS

Flowering cycle	Medium
Maturity cycle	Medium
Plant height	High (190-220 cm)
Leafiness	Excelent

SEEDING RATE

Seeds/m ²	stress 25-30	irrigated 30-35
Kg/ha	8-10	9-11

Packages of 300.000 seeds

RUMIGAS mix combines all the key characteristics required for this type of product: high yields, BMR fiber, resistance to lodging, and excellent health.

It has a large panicle and a pinkish grain, tannin-free, compact, and extremely healthy.

The mix's strength is its resistance to lodging, a property confirmed in all areas and under all conditions.

The BMR fiber, which improves the overall digestibility of the chopped material, combined with its excellent biomass production, make it perfect as chopped material for silage for livestock or for feeding biofuel production plants



SILO SORGHUM

IIMix STAR BMR

Blend to maximize yields
and digestibility

NEW



Blend with BMR character for maximum yields
and maximum digestibility

Excellent agronomic characteristics and extreme
leafiness

MORPHOPHYSIOLOGICAL TRAITS

Usage type	Wrapped bales, silage
Leafiness	Excelent

SEEDING RATE

Seeds/m ²	stress 23-26	irrigated 25-30
Kg/ha	9-11	10-12

Packages of 300.000 seeds

BMR sorghums are hybrids obtained through traditional breeding. They are visually distinguished by the brown color of the main leaf veins. For this reason, they are identified with BMR, which stands for Brown Mid Rib. This characteristic is related to a low lignin content, which significantly improves the digestibility of the fiber.

PIPER

Multicut Sudangrass Sorghum



MORPHOPHYSIOLOGICAL TRAITS

Usage type	Hay, green forage, silage
Leafiness	Very good

SEEDING RATES

Seed/m ²	400-450
Kg/ha	45-50
Sowing time	May - July
Packaging	25 Kg

HARVESTING GUIDELINES

Suitable for green forage, hay, and silage. Characterized by early development and excellent regrowth capacity, it allows up to 4 cuts at 1 meter high.