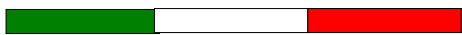


Allseeds

High Quality

**Guide
at sowing**

20



24



Planta **CORN**



SOYBEAN



SORGHUM



SUNFLOWER



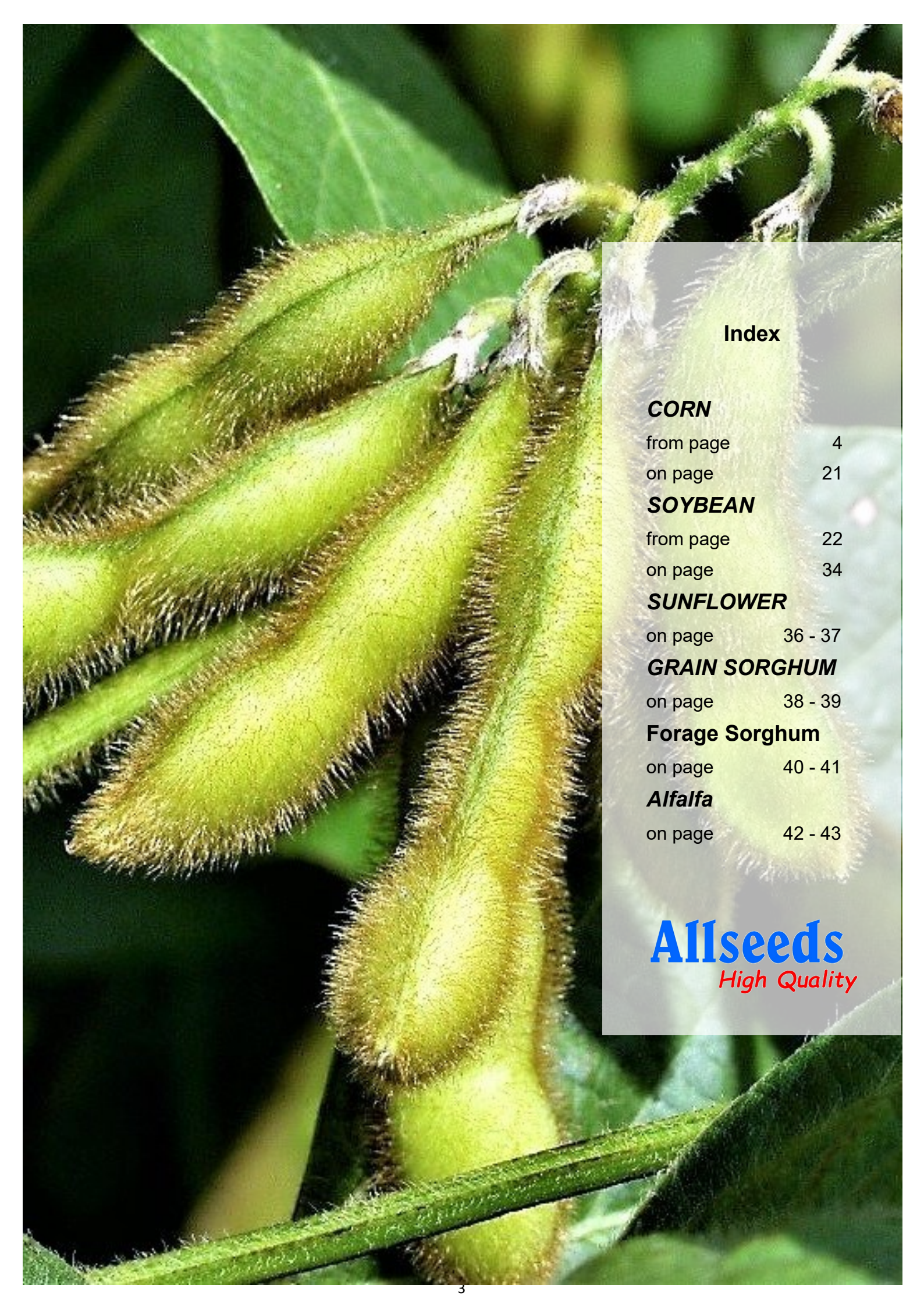
SILAGE



ALLSEEDS constantly researches materials to ensure the best performing seed in your field. With the new varieties of corn and soybeans introduced, we constantly innovate our product range to satisfy the ever-increasing number of customers who recognize ALLSEEDS as a constantly and rapidly growing brand. Supported by an exceptional research and development engine like Planta and by other very important Foundations, we present our wide range of products that cover most of the seed needs of Italian farmers. The production of corn hybrids, soy varieties and all straw cereals is also Italian to have total control of the production chain, guaranteeing maximum reliability and the certainty of GMO Free seeds.

And we don't stop here.

Allseeds
High Quality



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Alfalfa

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Allseeds
High Quality

Hybrid	FAO	Day
Green Collection		
SNH 6733	750	137
SNH 9711	700	135
SNH 9763	700	133
SNH 8605	600	132
SNH 8654	600	132

Zootechnics and Bioenergy

Ibridi studiati, selezionati e testati su larga scala per le necessità delle Aziende zootecniche sia da latte che da carne bovina.

Alta digeribilità alto tenore energetico anche per gli insilati da bioenergia.

Hybrid	FAO	Day
Tradition Collection		
SNH 7743	600	132
SNH 9609	600	130
SNH 4720	600	130

Tradition

Ibridi che si adattano alla produzione di granella e di insilato per le esigenze dei coltivatori che danno la priorità di raccolta all'insilato e una volta soddisfatte le esigenze della stalla passano a granella e/o pastone.

Hybrid	FAO	Day
Sure Crop Collection		
SNH 9503	500	127
SNH 7541	500	126
NEW ELYSIUM	500	125
SNH 2504	500	123
NEW BOUCALO	500	122
NEW EXTERION	400	119
SNH 5425	400	119
SNH 4424	400	116

Sure Crop

Ibridi di ciclo medio per raccolti sicuri in condizioni di moderato stress idrico o negli ambienti con ridotta possibilità di irrigazione. Ridotti costi energetici e ridotti apporti di concimazione per concludere con successo il ciclo produttivo.

Hybrid	FAO	Day
Insubria Collection		
SNH 3616A5	600	130
ISH 510W	500	125
SNH 9402	400	115
ISH 302 V	300	105

Tradition and modernity

Ibridi con eccellenti caratteristiche qualitative della granella, utilizzabili nelle nuove filiere di produzione siano esse premium, di settore, di qualità o per specifiche esigenze alimentari dovute a varie intolleranza.

Hybrid	FAO	Day
Fast Collection		
GDM 545	300	108
GDM 555	300	106
GDM 358	200	98

Quick cycle and collection

Ibridi precocissimi di classe FAO 200 - 300 per raccolte anticipate e per sistemi colturali intensivi a "semina continua". Indispensabili per tutte le seconde semine per granella o seconde semine ritardate per insilato.

Ibridi da granella



Of high production potential and quality levels evaluated using the same parameters and the same selectivity that a processor would adopt to choose the most suitable grains for its production chain. High productivity hybrids for grain production, to meet the needs of growers who give harvesting priority to grain.

FAO 600: **SNH9609 SNH4720 SNH7743 SNH3616**
 FAO 500: **SNH7541 SNH9503 SNH2504 BOUCALO ELYSIUM**
 FAO 400: **EXTERION SNH5425 SNH4424**
 FAO 300: **GDM555 GDM545**
 FAO 200: **GDM 358**

Ibridi da trinciato



Designed to have the maximum yield in dry matter, for zootechnical and biogas uses, with chemical-nutritional profiles that meet the needs of the animals present today in the most modern farms or for the needs of bioenergy plants. They are selected to obtain large biomass yields with high starch and digestible fiber content.

FAO 700: **SNH9763 SNH9711 SNH6733**
 FAO 600: **SNH8605 SNH8654 SNH9609 SNH4720 SNH7743**
 FAO 500: **SNH7541 SNH9503 SNH 2504**
 FAO 400: **SNH 5425 SNH 4424**
 FAO 300: **GDM 555 GDM 545**
 FAO 200: **GDM 358**

Ibridi per filiere speciali



Maize for brewing, for pasta, for polenta, for cornflakes and for starch. White, waxy and glassy corn for the most specialized market chains. Sought after by food and industrial supply chains, they offer qualitative characteristics that allow the origin of production to be valorised.

FAO 70




We improve production with



An exclusive brand for exclusive products

Maximizing income while respecting the environment and nature in general is the objective that every farmer seeks in the technical means of cultivation and in particular in the seed. **Allseeds**, decidedly aligned with respect for the environment, is synonymous with High Quality, in fact all the processes for the creation of the packaged seed are the result of a technologically advanced and rigorously controlled supply chain in every production phase. Starting from the choice of the best growers for sowing the reproduction fields, from the sowing operations carried out by specialized personnel, to the chemical treatments with products with very low environmental impact and the control of the exact moment for harvesting, a very high quality raw seed is obtained germination and vigor at the highest level. Aware of the success of the exclusive seed treatment



called **OROPlus** and through experience in the field and confirmations given by customers, **Allseeds** has developed an improvement in its formulation to offer its growers the possibility of achieving the income maximization they absolutely have need. In fact, by inserting at the time of tanning a specially dosed and studied formulation containing nutritional elements for the very first stages of development, the **Defender**  as a deterrent and the biostimulant called **Albit** for exclusive use by **ALLSEEDS**, a truly excellent result is obtained in relation to vigor and to the initial protection obtaining:

- **Fast, uniform emergence and reduced losses for ideal plant numbers**
- **More developed root system: better stability and nutrient absorption**
- **OROPlus** formulation is standard on all varieties



Deterrents and Tanning Agents

Treatment Standard fungicide on all varieties.



Redigo M is the systemic tanning agent that protects the seed and the plant from the main fungal diseases. It is characterized by two active ingredients with different mechanisms of action on pathogens: Prothioconazole,

inhibitor of ergosterol biosynthesis and Metalaxyl, inhibitor of nucleic acid biosynthesis. Thanks to its unparalleled effectiveness, it helps young seedlings to better overcome stressful situations at the beginning of development and contributes to achieving higher production levels. Redigo M is effective in preventing the wilting of corn seedlings and the death of arable land caused by pathogenic fungi.

Controlled adversities: **Fusarium spp:**

Fusarium graminearum

Fusarium verticilliodes

Death of arable land; **Phythium**

Insecticidal treatment available on varieties indicated



FORCE® It is a broad-spectrum insecticide that acts by contact and ingestion.

FORCE 20 CS is able to protect corn and beet seeds and seedlings from attacks by numerous soil insects. FORCE 20 CS has excellent selectivity for crops and does not interfere with their germination and development phases.

To maximize the production potential of each hybrid it is necessary to preserve the investment in the field as much as possible, combating soil insects such as wireworms right from the seed germination phase and in the early stages of seedling development through the use of insecticide-treated seeds.

Controlled adversities: Living insects/arthropods in the soil such as the corn rootworm (only larvae), the elaterio, the white larvae, the corn worms.

Albit

It is a new generation

It consists of CE fertilizers, amino acids and organic biomass. Main active ingredient

poly-beta-hydroxybutyric acid

with macro and microelements and *Bacillus megaterium* and *Pseudomonas aurectaciens* ALBIT is a residue-free product, harmless to humans, plants and bees. It does not contain living microorganisms. The effectiveness of the product has been demonstrated in more than 70 types of crops, with different climatic and soil conditions. Stimulates the general growth and development of the plant, stimulates resilience and recovery in conditions of abiotic stress, stimulates recovery from natural (hail) and mechanical damage, stimulates the absorption of nutrients.



DEFENDER

It is a new formulation of **BOLLARD** for granivorous birds. It is the combination of completely natural, non-toxic and 100% biodegradable active ingredients. The new formulation gives off a set of particularly intense odors and flavors and exerts its deterrent action, producing a lack of appetite in the crop towards grain-eating birds, making the seed unpleasant. The activity of **DEFENDER** is long-lasting and its persistence is enhanced in a humid environment while it is mortified by drought. Please remember that **DEFENDER** is a **BOLLARD** of natural origin and therefore subject to different responses depending on the microenvironment in which it acts.



CORN

AGRONOMICAL CHARACTERISTICS

ALLSEEDS HYBRIDS	DAYS	FAO	EMERGENCY 1=Slow 9=fast	INITIAL VIGOR 1=average 9= exceptional	ROOT SYSTEM 1=average 9= excellent	STOCK 1=medium 9= very strong	DROUGHT RESISTANCE 1= weak 9= significant	STAYGREEN 1= poor 9= high
SNH 6733	137	750	8	7	9	9	5	9
SNH 9711	135	700	8	7	7	7	6	8
SNH 9763	133	700	8	6	8	8	6	8
SNH 8605	132	600	7	6	8	7	7	7
SNH 8654	132	600	8	6	9	8	7	8
SNH 7743	132	600	9	9	8	8	6	6
SNH 9609	130	600	8	8	7	8	7	7
SNH 4720	130	600	9	9	8	8	6	6
SNH 3616A5	130	600	6	6	8	8	5	9
SNH 9503	127	500	6	7	7	7	7	6
SNH 7541	126	500	7	8	8	8	7	7
ELYSIUM	125	500	9	9	8	8	7	6
ISH 510W	125	500	6	6	6	8	6	7
SNH 2504	123	500	7	7	7	8	6	6
BOUCALO	122	500	9	9	8	8	7	6
SNH 5425	119	400	6	6	7	7	7	7
EXTERION	119	400	9	9	9	8	8	6
SNH 4424	116	400	8	7	8	7	7	6
SNH 9402	115	400	7	6	7	6	7	5
GDM 545	108	300	7	7	6	7	7	5
GDM 555	106	300	7	7	7	7	7	4
ISH 302 V	105	300	7	6	5	6	7	4
GDM 358	98	200	8	8	7	8	7	6

**Excellencies
Novelty
And
Confirmations**

**All
produced in
Italy**




S	PLANT CHARACTERISTICS					DISEASE TOLERANCE				ALLSEEDS HYBRIDS	SLAGE	GRAIN	PRODUCTION CHAIN
	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	LEAF TYPE	GRAIN COLOR	HELMINTOSPORIUM	ANTRACNOSI	FUSARIUM	RUST				

DRYDOWN 1 = slow 9 = fast	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	LEAF TYPE	GRAIN COLOR	HELMINTOSPORIUM	ANTRACNOSI	FUSARIUM	RUST	ALLSEEDS HYBRIDS	SLAGE	GRAIN	PRODUCTION CHAIN
5	9	7	F	SE	G	7	8	8	9	SNH 6733	√		
5	8	7	F	SE	G	6	8	8	8	SNH 9711	√		
5	9	6	F	SE	G	7	7	8	8	SNH 9763	√		
6	9	7	F	SE	G	6	8	7	9	SNH 8605	√		
5	8	5	F	SE	G	6	7	8	9	SNH 8654	√		
7	7	4	F	E	A	7	7	8	8	SNH 7743	√	√	
7	7	5	F	SE	G	7	8	7	8	SNH 9609	√		
6	8	7	F	SE	A	8	7	7	7	SNH 4720	√	√	
7	7	5	D	SP	A	7	7	8	7	SNH 3616A5		√	
7	7	5	F	SE	G	6	7	8	9	SNH 9503	√	√	
8	8	5	F	E	G	7	7	8	9	SNH 7541	√	√	
8	6	5	D	SE	G	8	8	9	7	ELYSIUM		√	
6	7	6	D	SE	W	6	7	7	6	ISH 510 W	√	√	√
7	7	6	D	SE	G	7	7	8	7	SNH 2504	√	√	
7	6	5	D	SE	G	7	8	8	8	BOUCALO		√	
8	6	6	D	SE	A	7	8	8	7	SNH 5425	√	√	
9	6	5	D	SE	G	8	8	9	7	EXTERION		√	
8	7	5	F	SE	G	7	7	8	8	SNH 4424	√	√	
7	6	5	D	SP	A	7	6	8	7	SNH 9402		√	√
8	6	5	D	P	G	7	7	8	7	GDM 545	√	√	
8	7	6	D	P	G	8	8	9	7	GDM 555	√	√	
7	6	6	D	SP	A	7	7	8	6	ISH 302 V		√	√
8	6	5	D	P	G	8	8	7	8	GDM 358	√	√	



1 = Low 9 = higt	LEAF TYPE E = Erect SE = Semi Erect P = Driving licence SP = Semi License	Ear F = Flex SF = Semi Flex SD= Semi-Determined D = Determined	Grain color Y = Yellow O= Orange W = White	Res. Diseases 1 = Low 9 = High
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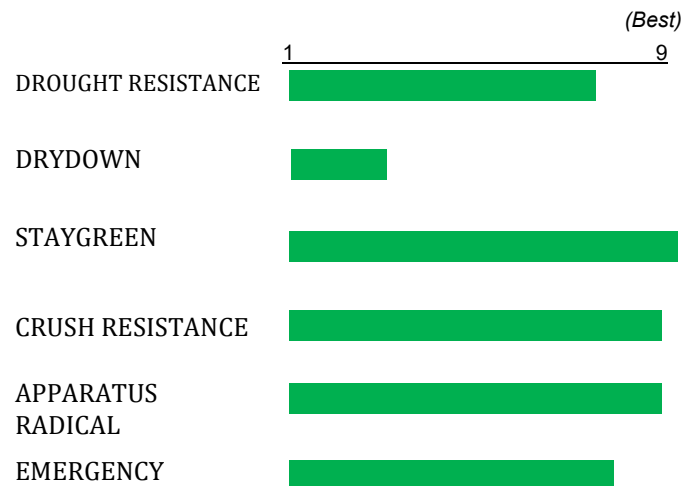
SNH 6733

Planta
Green Collection
FAO 750 gg 137



Great production potential

- Strong agronomic characteristics
- High total plant yield
- Long collection window
- High starch content
- Reduced lignification, low NDF
- High digestibility of fibre



Recommended investment - p.te/mq: Grain and mash: 7/7.5 - Shredded meat: 7.5/8



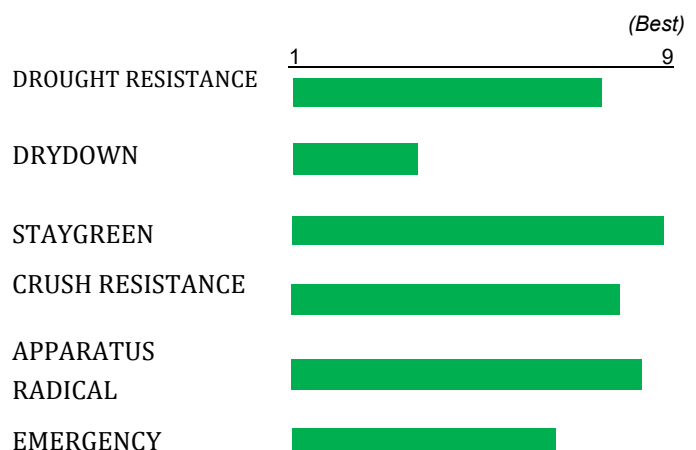
SNH 9763

Planta
Green Collection
FAO 700 gg 133



Innovative for silage and Cob mash

- Development of an impressive plant
- Very tall size and large globular ear
- Expanded leaf system
- High assimilable/transformable energy
- Elongated flex ear
- Designed for high biomass production



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded: 7/7.5



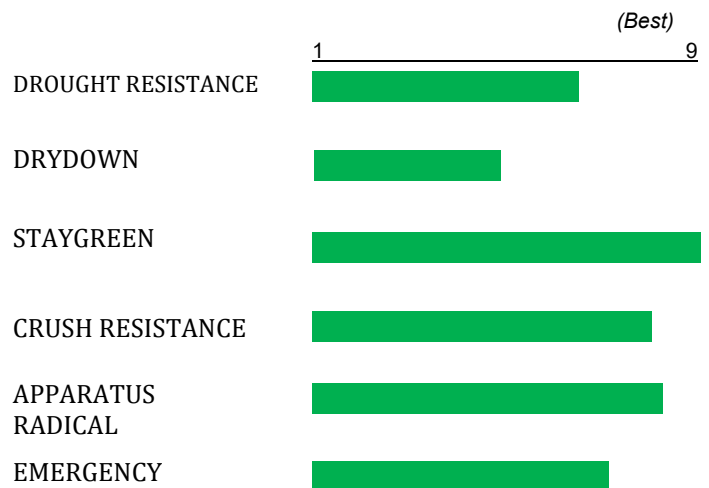
SNH 9711

Planta
Green Collection
FAO 700 gg 135



High energy silage

- Perfect agronomic characteristics
- Well developed and leafy plant
- Long collection window
- Excellent resistance to borer
- Large elongated ear
- Good resistance to fusarium wilt



Recommended investment - p.te/mq: Grain and mash: 7/7.5 - Shredded meat: 7.5/8



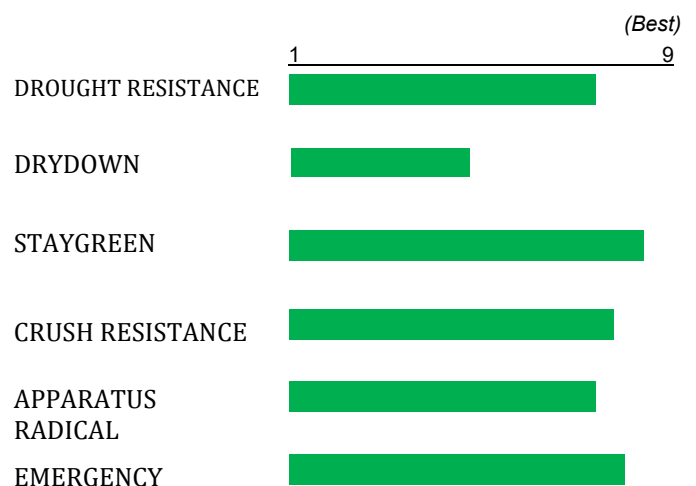
SNH 8654

Planta
Green Collection
FAO 600 gg 132



It doesn't fear comparisons

- Good resistance to fusarium wilt
- Large leaves (extra photosynthesis)
- Long collection window
- Very high starch content
- Ear with 18-20 ranks
- Also from grain (in ideal areas for this class)



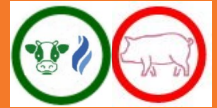
Investimento consigliato - p.te/mq: Granella e Pastone: 7/7,5 - Trinciato: 7,5/8

Allseeds
High Quality



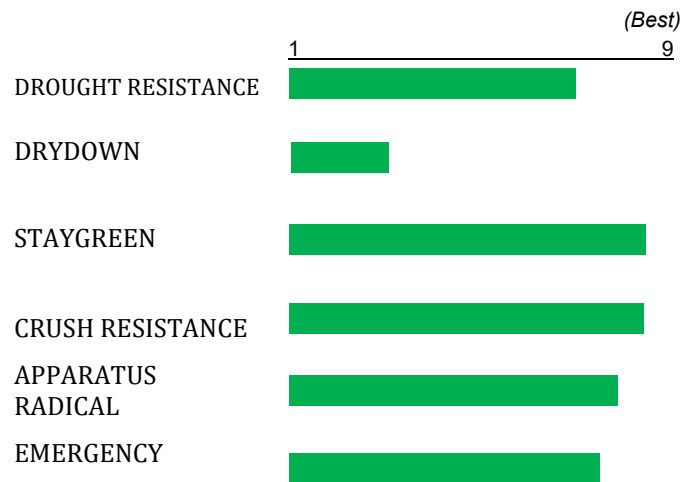
SNH 8605

Planta
Green Collection
FAO 600 gg 132



High production in all conditions

- Large size and very vigorous
- High total plant yield
- Designed to adapt to all environments
- High energy conversion rate
- Flex type ear
- Strong digestibility of fibre



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded: 7.5/8



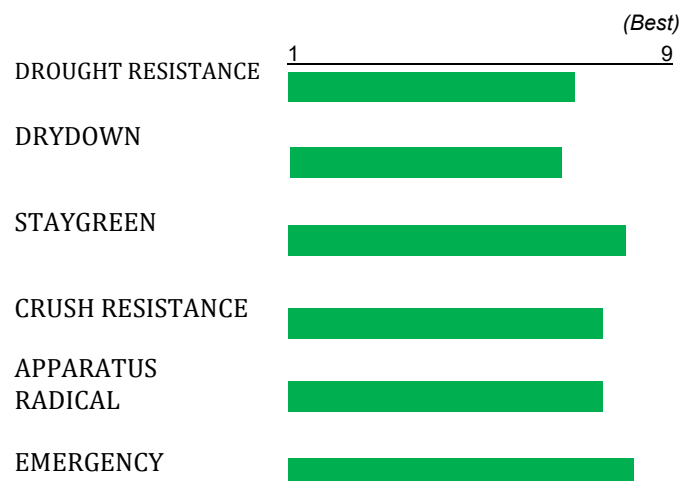
SNH 4720

Planta
Tradition Collection
FAO 600 gg 130



High performance

- Vigorous with high initial early vigor
- Expanded and erect leaf system
- Ear set low on short peduncle
- Quality grain with good specific weight
- Also for highly digestible silage
- It allows you to modulate the investment with water availability.



Recommended investment - p.te/mq: Grain and mash: 6/7 - Shredded meat: 7/7.5



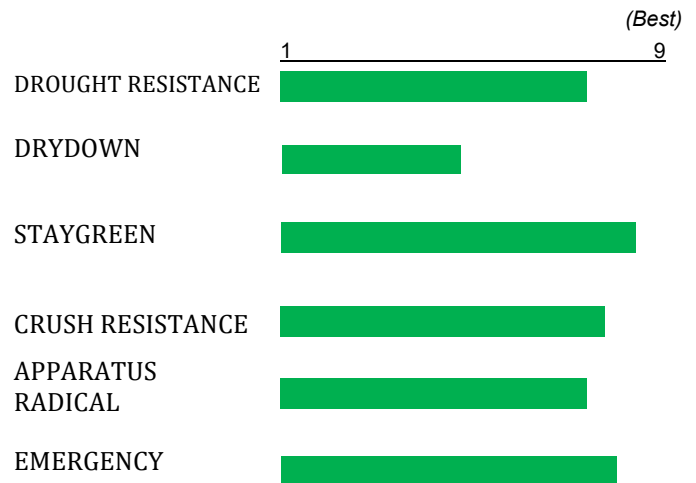
SNH 7743

Planta Tradition Collection
FAO 600 gg 132



Consistent grain health and quality

- Great robustness of the plant
- Good resistance to borer
- Excellent production of grain and/or mash
- Healthy grain free from Fusarium
- Ear with 18-20 ranks
- Also excellent for high-energy shredded meat



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded meat: 8



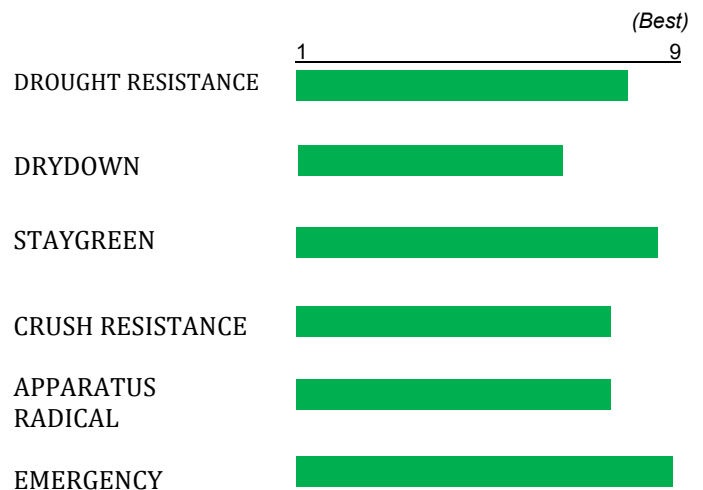
SNH 9609

Planta Tradition Collection
FAO 600 gg 130



Great reliability

- Resistant to the main plant diseases
- Semi-erect leaves and 18-row flexible spike
- Robust and elastic rapier
- Colored grain of good specific weight
- Also for highly digestible silage
- It allows you to modulate the investment with water availability.



Recommended investment - p.te/mq: Grain and mash: 6/7 - Shredded meat: 7/7.5

Allseeds High Quality



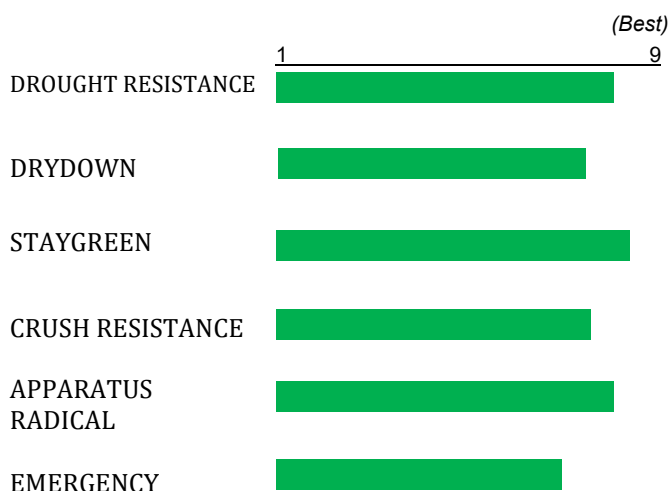
SNH 3616A5

Planta Insubria Collection
FAO 600 gg 130
Specialty



Alta qualità e grandi produzioni

- Extreme plant health
- Stocco strong and resistant to fusarium
- Good tolerance to borer attacks
- Quality semi-vitreous grain
- Specialty for agri-food supply chains
- Very high profitability potential



Recommended investment - p.te/mq: Grain: 6.5/7.5



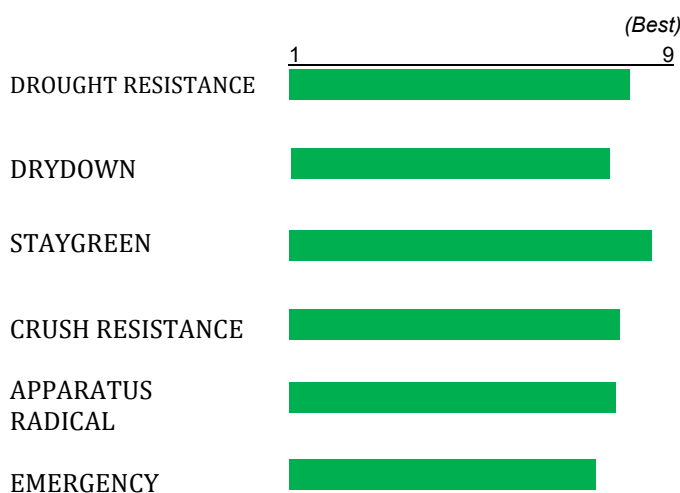
SNH 7541

Planta Sure Crop Collection
FAO 500 gg 126



Safe productions in all conditions

- Production stability in all areas
- High potential in irrigation environment
- High early vigor suitable for early sowing
- Medium-tall plant, healthy and colorful grain
- Flex type ear at constant height
- Suitable for 1st and 2nd harvest silage



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded: 7.5/8



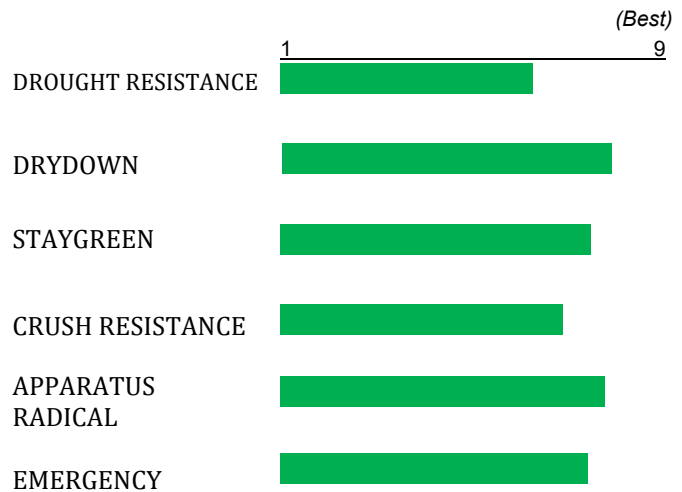
SNH 9503

Planta
Sure Crop Collection
FAO 500 gg 127



Medium cycle with great potential

- For stressed environments. Spiga Flex
- High total plant yield
- Long collection window
- Excellent starch content
- Suitable for second harvest shredded meat
- High digestibility of fibre



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded: 7/7.5



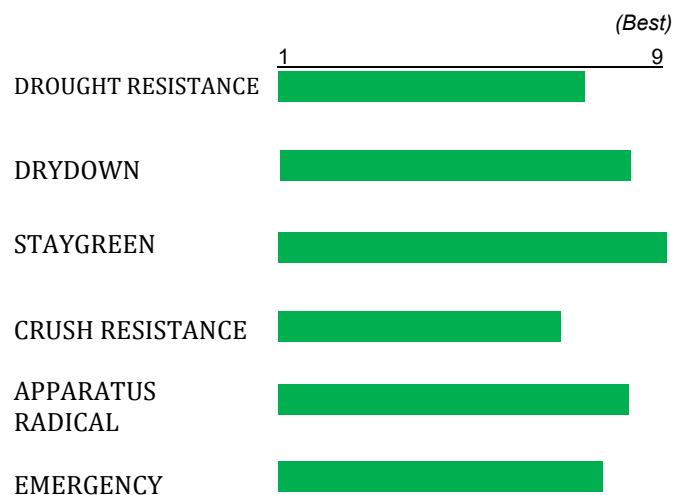
ELYSIUM

Planta
Sure Crop Collection
FAO 500 gg 125



Nuovo ibrido per maggiori produzioni

- Very strong agronomic characteristics
- Healthy ear on strong stalk
- High production in all conditions
- Medium-short and regular plant
- It supports investments of up to 9 plants/m2
- Also excellent in the second harvest



Recommended investment - p.te/mq: Grain and Mash: 8/9



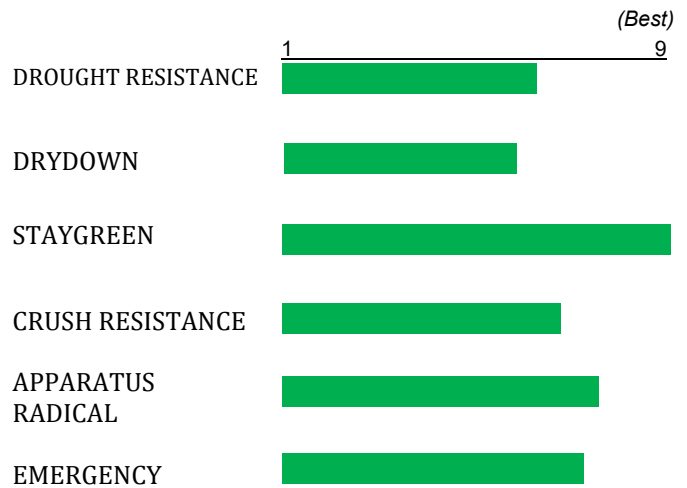
ISH 510W Specialty

Planta
Insubria Collection
FAO 500 gg 125



Special for the agri-food supply chain

- Medium-high size and medium ear insertion
- Good root system for good stability
- Fine white grain
- Borer tolerant
- Constant productions
- Used for ultra-palatable chopped meats



Recommended investment - p.te/mq: Grain and Mash: 7/7.5 - Shredded: 7.5/8



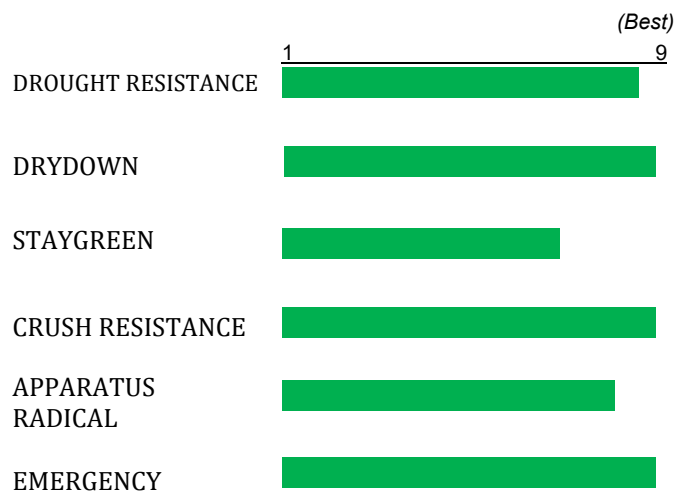
BOUCALO

Planta
Sure Crop Collection
FAO 500 gg 122



New record-breaking hybrid line

- Production stability and medium-short cycle
- Unparalleled vegetative vigor
- Suitable for environments subject to water stress
- Colored grain with high specific weight
- Medium-low size
- Can also be used in second sowing



Recommended investment - p.te/mq: Grain and Mash: 8/9



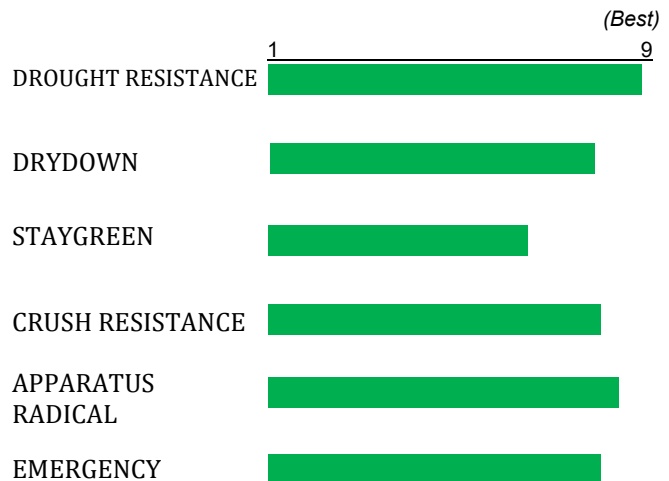
SNH 2504

Planta
Sure Crop Collection
FAO 500 gg 123



Quality grain

- High investments in fertile environment
- Cut and insertion of medium height ear
- Suitable for environments subject to water stress
- Grain for demanding uses and markets
- For diversified business plans
- Can also be used in second sowing



Recommended investment - p.te/mq: Grain and Mash: 7/7.5 - Shredded: 7.5/8



Single treatment consisting of:

- ⇒ **Nutritional elements** for the development of the seedling
- ⇒ **Albit biostimulant**
- ⇒ **Defender**
- ⇒ **Redigo M**

Single reference for each variety.



Allseeds
High Quality



SNH 5425

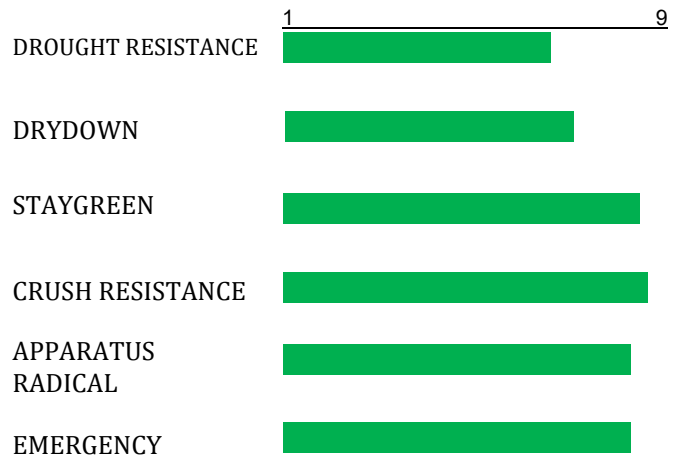
Planta
Sure Crop Collection
FAO 400 gg 119



(Best)

Short cycle for high production

- Compact size and low ear insertion
- Plant with close internodes but leafy
- Grain with high specific weight and colour
- Very robust stock and roots
- Globular ear with flag shape
- Used in I and II sowing from silage and grain



Recommended investment - p.te/mq: Grain and Mash: 6.5/7.5 - Shredded: 7.5/8



SNH 4424

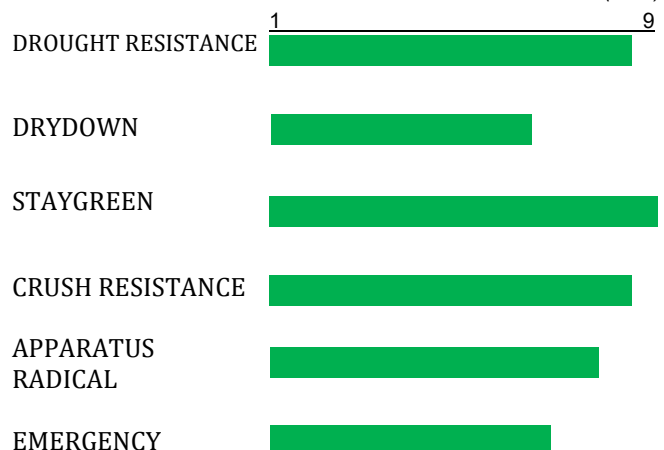
Planta
Sure Crop Collection
FAO 400 gg 116



(Best)

Precocious with dual purpose

- Robust stalk on powerful roots
- High size for the class to which it belongs
- Large, elongated ear and small cob
- Reduced losses for ease of ginning
- Suitable for 1st and 2nd harvest sowing
- Rich mulches even in late sowing

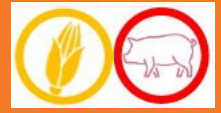


Recommended investment - p.te/mq: Grain and Mash: 7/8 - Shredded: 7.5/8.5



EXTERION

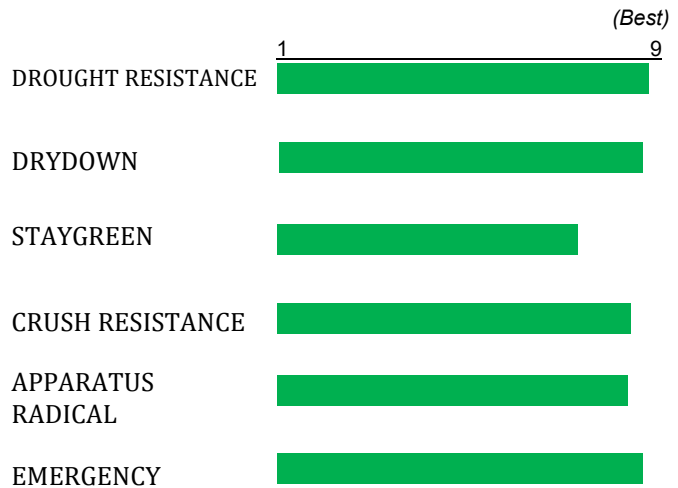
Planta
Sure Crop Collection
FAO 400 gg 119



Great News

High production with short cycle

- Medium size, erect leaves with low spike
- Uniformity of plants throughout the field
- High initial vigor for homogeneous fields
- High-performance even in stressful conditions
- Deep, toothed and colored grain
- Good resistance to fusarium wilt



Recommended investment - p.te/mq: Grain and Mash: 8.5/9.5



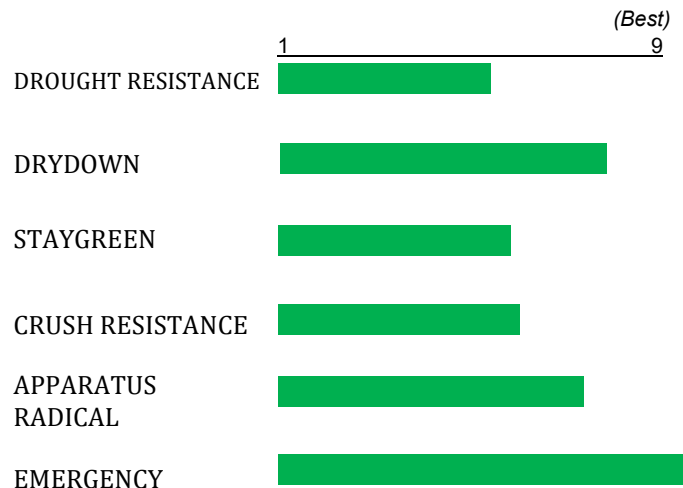
SNH 9402 Specialty

Planta
Insubria Collection
FAO 400 gg 115



Excellent production of Granella vitrea

- Stable plant with high productivity
- High early vigor for regular emergencies
- Elongated ear and glassy orange grain
- For uses in the agri-food industry
- Hybrid inserted in supply chains with contract
- More productive among its competitors



Recommended investment - p.te/mq: Grain: 6.5/7.5

Allseeds
High Quality



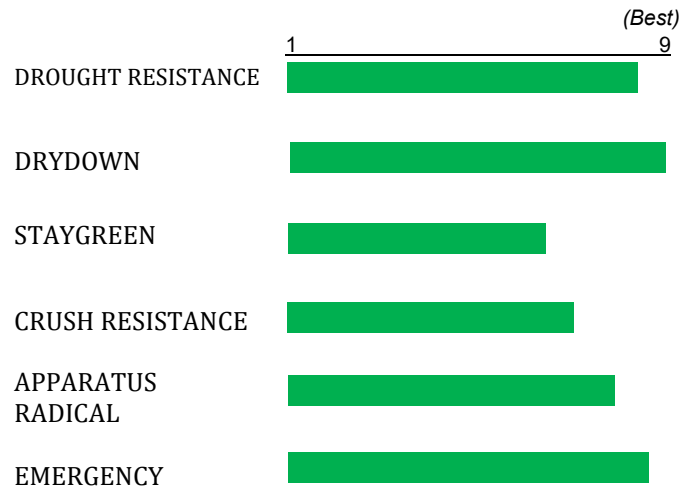
GDM 545

Planta
Fast Collection
FAO 300 gg 108



Very precocious with a dual attitude

- Strong plant with excellent borer tolerance
- Excellent response to high investments
- Photoperiod for continuous succession
- Toothed and colored grain
- Suitable for very early harvested silage
- Shredded meat with a high energy charge



Recommended investment - p.te/mq: Grain: 7.5/8.5 - Shredded: 8.5/9.5



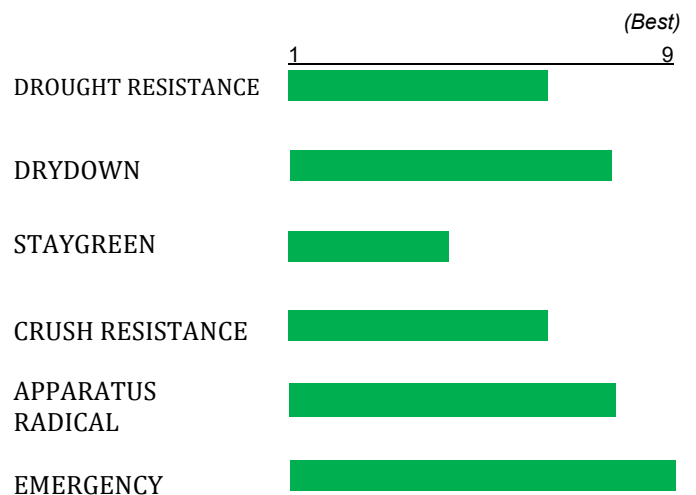
ISH 302V

Planta
Insubria Collection
FAO 300 gg 105



Excellent vitreous

- Medium-low size and resistant rapier
- High total plant yield
- Totally glassy Marano type grain
- Red grain and small size
- For very demanding feed
- Fully fertilized ear



Recommended investment - p.te/mq: Grain: 7/8.5



GDM 555

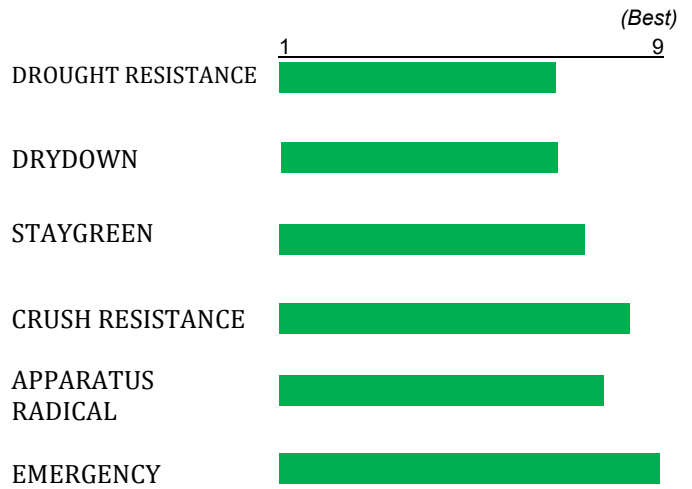
Planta
Fast Collection

FAO 300 gg 106



Double chopped-chopped crop

- Strong root system and robust stalk
- Elastic, leafy and resistant plant
- Ear inserted low, adhering to the stalk
- It supports high investments
- Ease of adaptation to the type of ration
- High digestibility of fibre



Recommended investment - p.te/mq: Grain: 7.5/8.5 - Shredded: 8.5/9.5



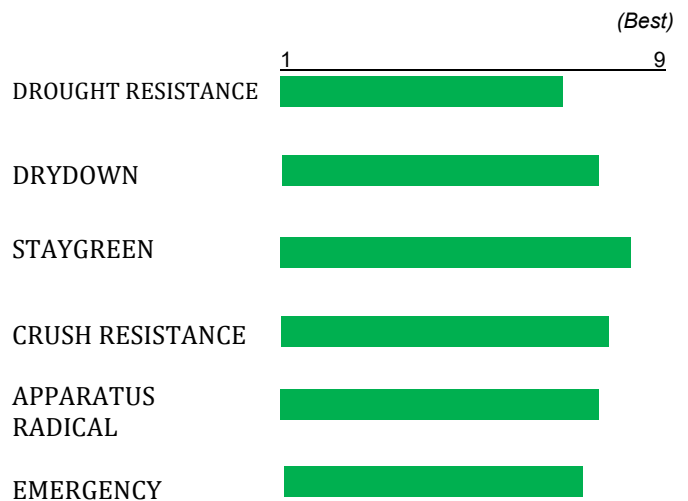
GDM 358

Planta
Fast Collection
FAO 200 gg 98



For continuous sowing systems

- Medium-high size on well-developed roots
- Right investments depending on fertility
- Long ear with 14/16 ranks
- Toothed grain
- Early harvests in the absence of mycotoxins
- For shredded meat in double succession



Recommended investment - p.te/mq: Grain: 7.5/9 - Shredded: 7.5/9.5

Allseeds
High Quality

THE SOY

Soybean, an annual herbaceous plant that reaches 80-120 cm in height. Plant with an upright habit, it can be single-stemmed or can be clustered. This particularity is in some cases decisive for the earliness and regularity of the harvest. The pod is covered in bristly hairs, hence the original name bristly soybean. It has trifoliolate compound leaves, small, papilionate flowers, white to red to purple in color depending on the variety; the fruit is a pod containing from 1 to 5 seeds of a lighter or darker yellowish color and a dark or white hilum depending on the variety. The varieties with white/light grain are used for agri-food chains. A plant native to the Far East (Manchuria), cultivated for 5000 years in China, soy arrived in the West between 1800 and 2000. It became the leading product in US agriculture during the Second World War. The cultivation of soy is also widespread in the EU and in particular in Italy where only GMO Free soy is grown.

Allseeds
High Quality

Soya is an annual legume with an upright habit and notable growth (50-150 cm). It has an abundant leaf surface, with white to red-purple flowers; fertilization is autogamous and the fruits are brown pods, covered with thick hair, present in numbers of 30-35 per plant. Soybeans are a short-day plant, demanding on temperature but not very demanding on soil.

The duration of the biological cycle of soybeans varies according to the group to which it belongs. The main phases of the soybean cycle are 3: Germination and rooting, phase where the cotyledons emerge and the plant appears unifoliolate and not yet well spread. Vegetative development, when the unifoliolate seedlings become trifoliolate and appear fully developed.

Flowering, stage in which the first flower appears located in one of the two highest nodes of the main stem where the first leaf is also found; at the same height the first pod also appears with a length of 2 cm. The cultivars are divided into 13 ripening groups, ranging from very early (types 000) to late (type X).

The best varieties are believed to belong to groups I and II. For the sowing period it is important to know the soil temperature, which must be above 12°C and must therefore be carried out later than that of corn.

THE SUCCESSFUL VARIETIES FOR EVERY NEED

Group 1

GURU
PRISKA
SORAYA SN
FRIULANA
ANANDA
MAGNUM

Group 1-

DARING
GIUSTA SN
ALMAS
EMILIANA

Group 0+

ZOE
RGT SPEEDA
INDIAN

Grup 0

MANDALA

SOYA VARIETY

Soy	AGRONOMICAL CHARACTERISTICS				
VARIETY'	GROUP	EMERGENCY 1=slow 5=fast	Branching 1 = a little 5 = a lot	PLANT HEIGHT	DROUGHT RESISTANCE 1= poor 5= high
GURU	1	5	1	medium high	4
PRISKA SN	1	5	3	medium	5
FRIULANA	1	4	5	medium	3
SORAYA SN	1	4	5	medium high	5
ANANDA	1	4	4	high	4
MAGNUM	1	4	4	medium	3
DARING	1-	5	3	medium	5
GIUSTA SN	1-	5	4	medium	5
ALMAS	1-	4	3	medium high	3
EMILIANA	1-	5	4	medium	4
ZOE SN	0+	5	2	medium low	4
INDIAN	0+	4	3	medium	4
RGT SPEEDA	0+	5	3	medium low	5
MANDALA	0	5	2	medium low	4

All seeds

High Quality

CHARACTERISTICS						
COLOR ILO	ANTI-NUTRITIONAL FACTORS	RES. LODGING	DEFOLIATION	WEIGHT 1000 SEEDS gr	VARIETY	PRODUCTION CHAIN
brown	low	very good	fast	180	GURU	
brown	=	very good	quick	180	PRISKA SN	
brown	=	good	medium	190	FRIULANA	
white	=	good	fast	175	SORAYA SN	✓
brown	low	good	medium	170	ANANDA	
brown	=	good	medium	160	MAGNUM	
brown	=	very good	quick	180	DARING	
brown	=	very good	quick	185	GIUSTA SN	
yellow	low	good	fast	160	ALMAS	✓
white	=	very good	medium	190	EMILIANA	✓
bianco	=	very good	quick	180	ZOE SN	✓
brown	=	very good	quick	190	INDIAN	
brown	=	very good	fast	190	RGT SPEEDA	✓
brown	low	very good	quick	180	MANDALA	



Vigor Soy

Industrial inoculant to promote rapid nodulation. Vigor Soy is Allseeds' solution for industrial inoculation. Induces significant initial vigor.

SIMPLIFICATION

Optimizes the work of farms and contractors, avoiding manual inoculation at sowing.

NODULATION

Bradyrhizobium japonicum represents the main agent of the formation of nitrogen-fixing nodules. The efficiency of these microorganisms is ensured by the very high initial charge and is kept vital by components that increase their adhesion and protection on the seed.

INITIAL VIGOR

Azospirillum brasilense exerts an adjuvant action on nitrogen fixation activity and induces a significant starter effect.

The synergistic action of these microorganisms creates the ideal conditions for the optimal development of the plant, maximizing the production potential even in less favorable environmental situations.



ALBIT®

It is a new generation bioactivator.

It consists of CE fertilizers, amino acids and organic biomass. The main active ingredient is:

poly-beta-hydroxybutyric acid

with macro and microelements and *Bacillus megaterium* and *Pseudomonas aurectaciens*. ALBIT is a residue-free product, harmless to humans, plants and bees. It does not contain living microorganisms. The effectiveness of the product has been demonstrated in more than 70 types of crops, with different climatic and soil conditions. Stimulates the general growth and development of the plant, stimulates resilience and recovery in conditions of abiotic stress, stimulates recovery from natural (hail) and mechanical damage, stimulates the absorption of nutrients.

Organic bird deterrent treatment

It is a stimulant and nutritional product (deterrent) that causes grain-eating birds and wild boars to lose their appetite due to its effect on the sense of smell, generating an unpleasant environment. It also incorporates a sulfur aroma as well as a natural magnolia aroma, which recalls the smell of predators' nests, significantly reducing the attraction of birds to the crops. Please remember that **DEFENDER** is a **BOLLARD** of natural origin and therefore subject to different responses depending on the microenvironment in which it acts.



Allseeds protection

Soybean diseases

Fungal Disease

Downy mildew (*Peronospora manshurica*)

In Italy the first downy mildew infections originated from infected seeds of foreign origin. Today the disease is very widespread and occurs above all in areas and in years characterized by high humidity. The symptoms are evident during the development of the plants and appear in the form of small discolored spots which subsequently expand and become brown. With high humidity, grey-purple mold appears. The pods can also be contaminated, the seeds appear smaller than normal and shriveled and, if allowed to germinate, the infection is transferred to the new seedlings. Despite being very widespread, the damage caused has never been so important as to justify specific interventions, the use of non-infected seed and good cultivation practices is therefore sufficient.

Alternariosis (*Alternaria* spp.)

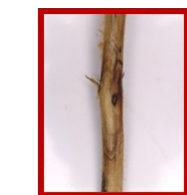
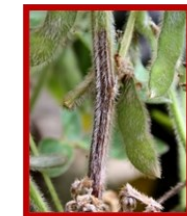
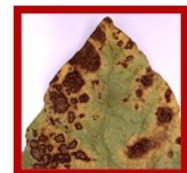
It is a frequent leaf infection to observe as it is very widespread in nature. The disease affects adult plants and rarely affects young plants. Since these are therefore late attacks on adult plants, the final grain production will not be seriously compromised. The infection manifests itself on the leaf blade with initially punctiform spots which then become more extensive and dark in color.

Rot (*Phytophthora sojae*)

Soybean rot is a very serious disease widespread in the USA, but for some years also present in Italy. This disease is closely connected to high soil humidity that persists over time. Rot affects soybeans at every stage of development. If the attack occurs on young plants, they wither and die quickly, but it is less lethal if the attack occurs on adult plants. The symptoms are: initially yellowing and wilting of the basal leaves followed then also by the taller leaves. You may also notice a darkening of the stem which will also affect the root, thus reducing the entire root system. In cases of attacks of a certain level, the production will be poor both qualitatively and quantitatively.

Stem canker (*Diaporthe phaseolorum* var. *caulivora*)

It is a dangerous disease that affects the plant at the moment of formation and maturation of the pods, quickly leading to their death. A crop with a high percentage of infection causes significant production losses. The disease is easily distinguishable from other soybean diseases. The first symptoms manifest themselves with reddish lesions in correspondence with the leaf petiole, subsequently the cancerous areas extend to the entire stem, leading it to dry out and consequently to the death of the plant



Insects

Asian bedbug (*Halyomorpha halys*)

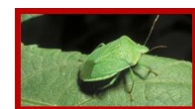
This is the *Halyomorpha halys* species from Eastern Asia. It is a bug that has already been present for some years in the United States and in some European states including Italy and is capable of causing extensive damage to orchards, horticultural and herbaceous crops (soya and corn).

Green bug (*Nezara viridula*)

It is the classic light green bedbug, has a size of 14-16 mm and a shape pentagonal.

Red spider mite

Among the insects that attack soybeans, the red spider mite is one of the most widespread and dangerous phytophagous insects. The climatic conditions that most facilitate the development of this mite are very hot summers with a humid but not rainy climate.



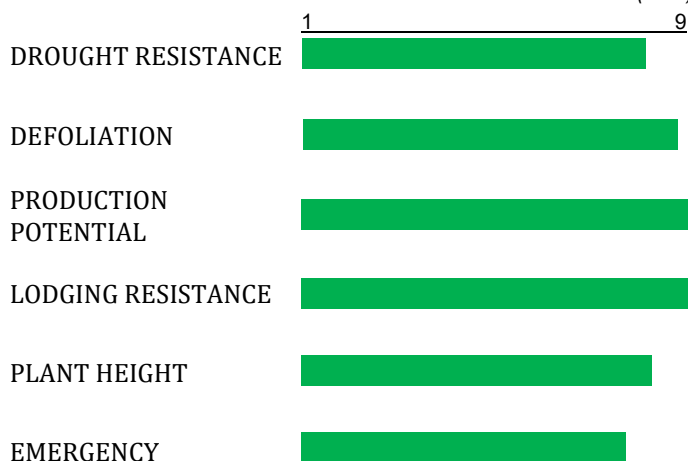
GURU

Group 1

(Best)

Always at the top of production

- Unattainable plant for any environment
- Extreme fruitfulness
- Constantly productive
- Low anti-nutritional factor
- Deep root system
- Quick to prepare for harvesting



Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

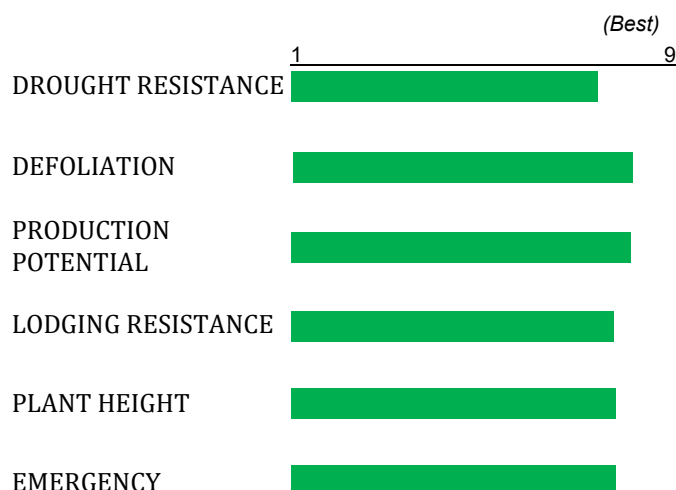


FRIULANA

Group 1

Rustic and constant in performance

- It adapts to various pedoclimatic environments
- Resists water scarcity
- Genetic aversion to spider mites and bedbugs
- Deep root system
- Easy harvesting for Top defoliation
- Resistance to lodging



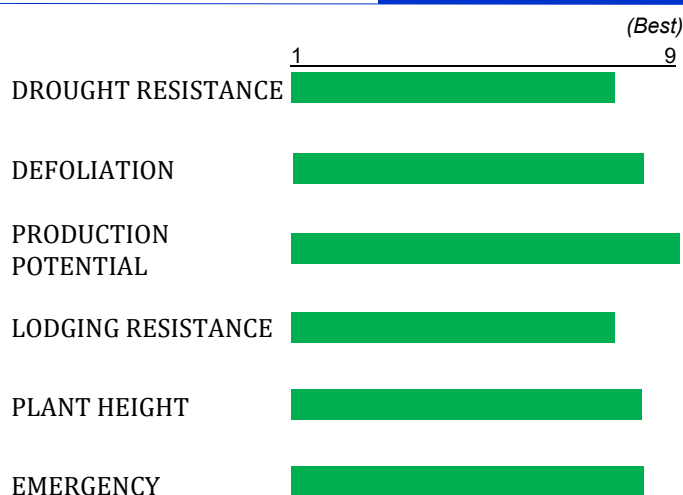
Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

PRISKA

Group 1

The new great producer

- It adapts to various pedoclimatic environments
- Extreme fruitfulness
- Resists water scarcity
- High oil content
- Deep roots and sturdy stem
- Excellent defoliation



Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

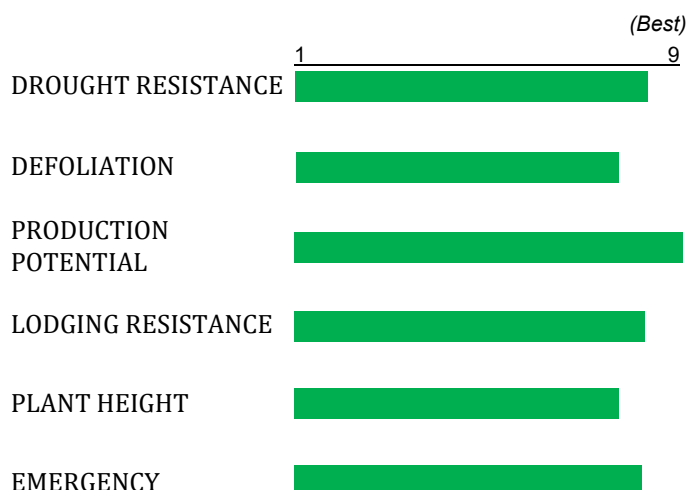


SORAYA SN

Group 1

The new queen of group 1

- High vigor, branched indeterminate type
- Extreme fruitfulness
- Productivity at the highest in its group
- White grain
- Very resistant healthy stem
- Fast defoliation



Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

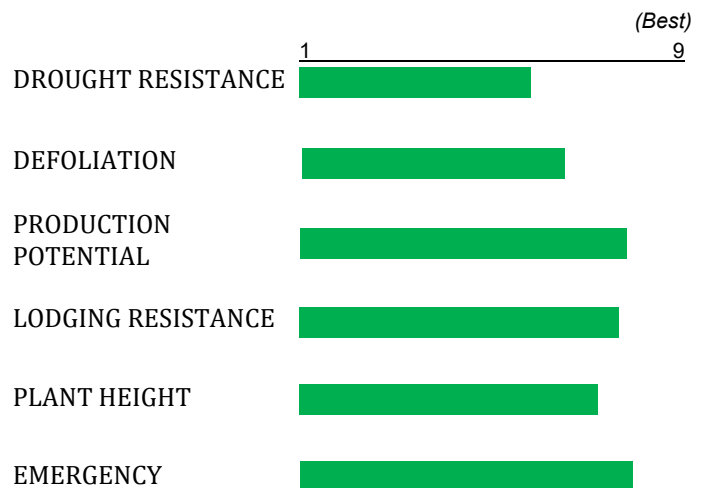
Allseeds
High Quality

ANANDA

Group 1

Constant in production

- Great adaptability to different terrains
- High branching and field coverage
- Resists water scarcity
- Grain with low anti-nutritional factor
- Suitable for 1st and 2nd harvest
- Good defoliation



Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

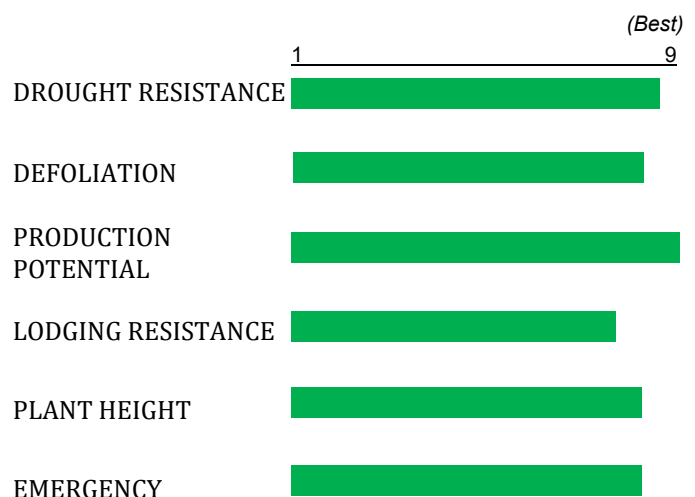


DARING

Group 1-

Always the most widespread

- It adapts to various environments and various terrains
- Production guarantee in all conditions
- It resists stress well
- For the first and second harvest
- Deep root system
- Quick early collection



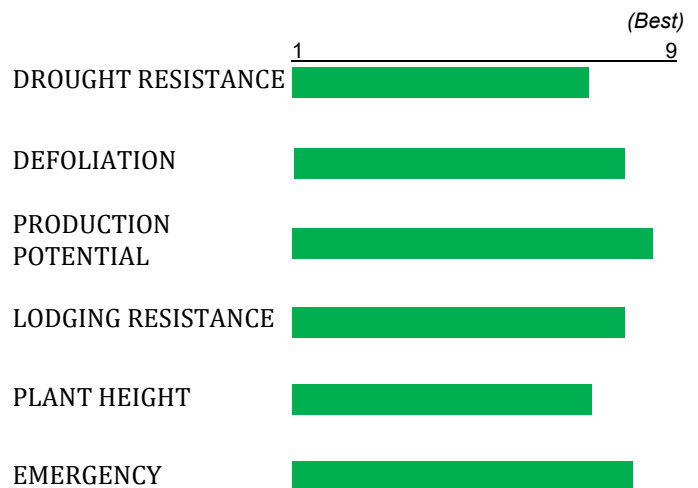
Recommended investments: I harvest 45/55 p.te/mq II harvest 55/60 p.te/mq

MAGNUM

Group 1

Suitable for all conditions

- It adapts to various pedoclimatic environments
- Great vigor with excellent branching
- Resists stress, healthy when harvested
- Excellent productivity
- Deep root system
- Defoliates well even in difficult conditions



Recommended investments: I harvest 42/505 p.te/mq II harvest 48/55 p.te/mq

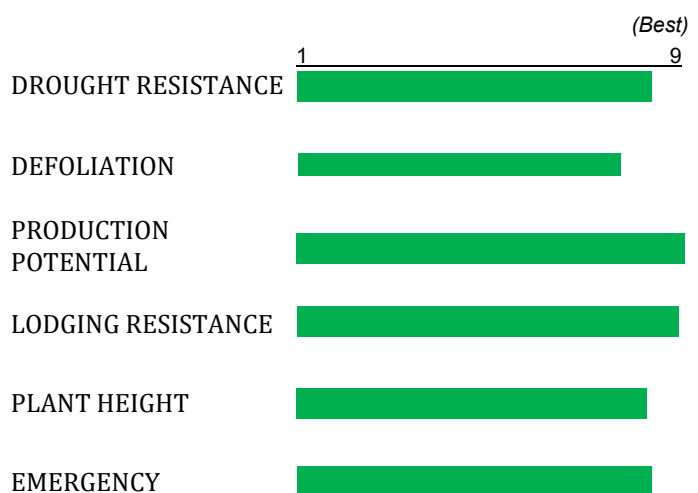


GIUSTA SN

Group 1-

The novelty that pleases

- A revolution for the medium cycle
- It adapts, is constant and safe in every area
- Very high number of pods
- Excellent field stability
- Determined in development
- Rapid defoliation



Recommended investments: I harvest 44/5 p.te/mq II harvest 50/60 p.te/mq

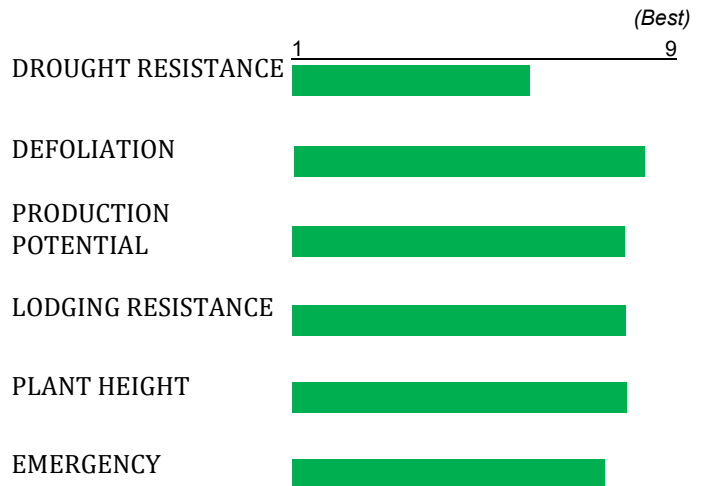
Allseeds
High Quality

ALMAS

Group 1-

Rustic always healthy

- Low content of anti-nutritional factors
- Excellent productivity due to extreme fecundity
- Resists water scarcity
- Rapid growth
- Grain with light grain
- Defoliates rapidly when ripe



Recommended investments: I harvest 42/50 - p.te/mq II harvest 50/55 - p.te/mq

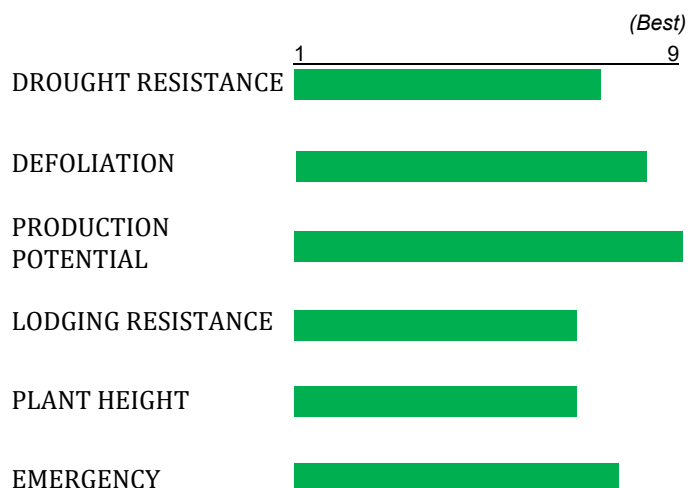


ZOE SN

Group 0+

The star of the second harvest

- It adapts to various pedoclimatic environments
- Early with white hilum
- Resists water scarcity
- High protein content
- Developed root system
- Also suitable for food supply chains



Recommended investments: I harvest 45/55 - p.te/mq II harvest 50/60 - p.te/mq

EMILIANA

Group 1-

High productions. White thread spinnerets

- Pedoclimatic and agronomic adaptability
- Usable for 1st and 2nd harvest
- Resists water scarcity
- Genetic aversion to spider mites and bedbugs
- Deep root system
- Among the first of the group ready for harvesting



Recommended investments: I harvest 45/50 - p.te/mq II harvest 50/55 - p.te/mq

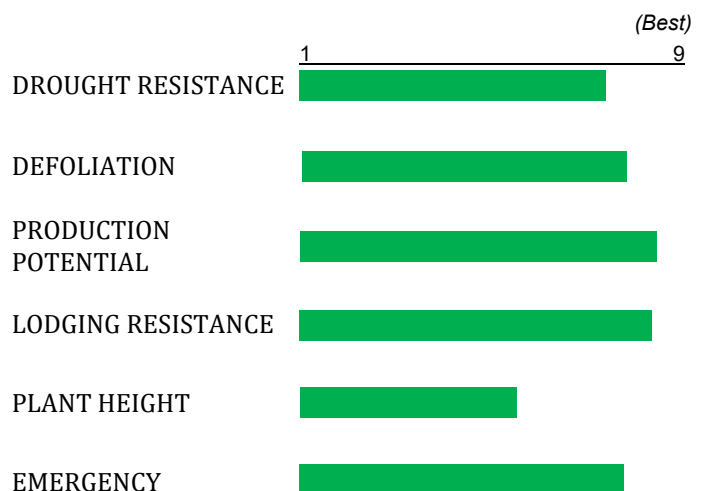


INDIAN

Group 0+

Precocity and certainty of excellent harvests

- For second harvest or delayed sowing
- Extreme plant health
- Resists water scarcity
- Excellent initial vigor and branching
- Branching allows for widespread sowing
- Maximum production reliability



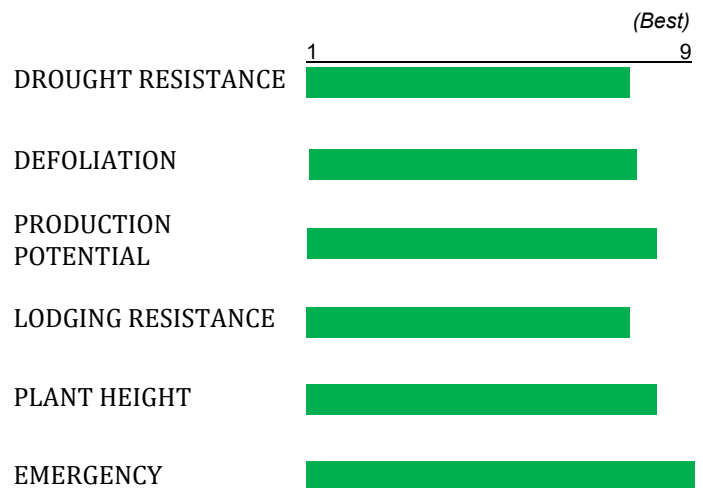
Recommended investments: I harvest 45/55 - p.te/mq II harvest 50/60 - p.te/mq

RGT SPEEDA

Group 0+

Early suitable for minimal processing

- For productions with high protein content
- Large black hilum seed for food chains
- Resists water scarcity
- For late harvests or sowing
- Facilitates harvesting in difficult years
- Rapid emergence and early development



Recommended investments: I harvest 45/55 - p.te/mq II harvest 50/60 - p.te/mq

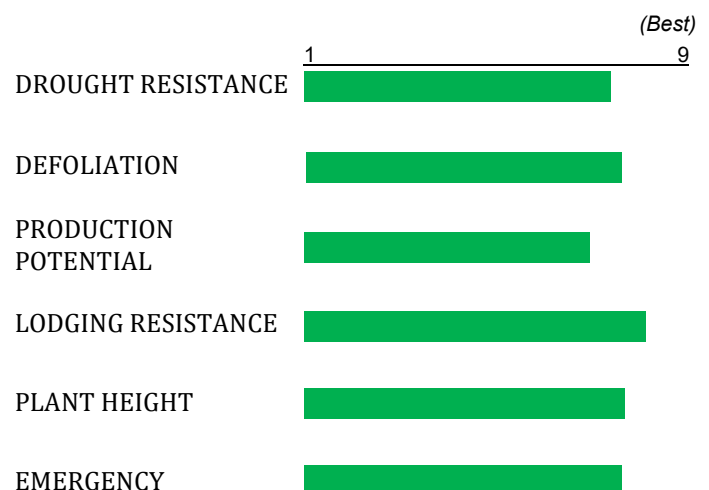


MANDALA

Group 0

Precocity par excellence

- It adapts to various agronomic situations
- Suitable for late harvest or sowing
- Resists water scarcity
- Resists spider mite and bedbug attacks
- Tall size and branched habit
- Rapid preparation for harvesting



Recommended investments: I harvest 50/55 - p.te/mq II harvest 55/60 - p.te/mq

Sowing tables

MAIS / SUNFLOWER (seeds/mq)

Distances on the row (cm)

		15	15,5	16	16,5	17	17,5	18	18,5	19	19,5	20	20,5	21	21,5	22	22,5	23
inter-row (cm)	45	14,8	14,3	13,9	13,5	13,1	12,7	12,3	12	11,7	11,4	11,1	10,8	10,6	10,3	10,1	9,9	9,7
	50	13,3	12,9	12,5	12,1	11,8	11,4	11,1	10,8	10,5	10,3	10	9,8	9,5	9,3	9,1	8,9	8,7
	55	12,1	11,7	11,4	11	10,7	10,4	10,1	9,8	9,6	9,3	9,1	8,9	8,7	8,5	8,3	8,1	7,9
	60	11,1	10,8	10,4	10,1	9,8	9,5	9,3	9	8,8	8,5	8,3	8,1	7,9	7,8	7,6	7,4	7,2
	65	10,3	9,9	9,6	9,3	9	8,8	8,5	8,3	8,1	7,9	7,7	7,5	7,3	7,2	7	6,8	6,7
	70	9,5	9,2	8,9	8,7	8,4	8,2	7,9	7,7	7,5	7,3	7,1	7	6,8	6,6	6,5	6,3	6,2
	75	8,9	8,6	8,3	8,1	7,8	7,6	7,4	7,2	7	6,8	6,7	6,5	6,3	6,2	6,1	5,9	5,8

SOY / SORGHUM

Dist. on the row cm	N° of seed/mq							
40	-	83	63	50	42	36	32	-
45	-	74	56	44	37	32	28	25
50	-	67	50	40	33	29	25	22
70	71	48	36	29	24	20	18	16
75	67	44	33	27	22	19	17	15
Dist. seed cm.	2	3	4	5	6	7	8	9

N° seeds/m ²	Quantity of SOYA seed (Kg) for sowing 1Ha varying the weight of 1000 seeds												
	30	45	47	48	50	51	53	54	55	58	58	60	63
35	53	54	56	58	60	61	63	65	68	68	70	73	73
40	60	62	64	66	68	70	72	75	75	78	80	83	85
45	68	70	72	74	77	79	81	83	85	88	90	93	95
50	75	78	80	83	85	88	90	93	95	98	100	103	105
55	83	85	88	91	94	96	99	103	105	108	110	113	115
WEIGHT 1000 seeds gr.	150	155	160	165	170	175	180	185	190	195	200	205	210

SUNFLOWER

The sunflower is native to Central and South America and was introduced into Europe in the first decades of the 1500s. From the eighteenth century onwards, also following the progress made in extraction techniques, it proved to be an excellent oilseed. The name "sunflower" derives from the heliotropic movement that the plants present during the juvenile phase, keeping the apex always facing the sun.

It is an annual herbaceous plant, characterized by notable development. As regards the destination of production, given the almost constant consumption of seed oils for food use, the "no food" uses of the oils are increasing, among which the use for the production of vegetable fuels (biodiesel) and the use of oils deriving from sunflower varieties with a high oleic acid content for the chemical and pharmaceutical industry. Compared to other spring-summer crops, it can be sown somewhat earlier (end of February), as it is less sensitive to low temperatures (zero vegetation, 5 °C).

It is a renewal plant, it exploits the residual effect of a "preparatory" plant such as corn or wheat. The sunflower lends itself well to minimal tillage at a depth of 25 cm and possibly, on soils that allow it, it can even be sown on no-till ground. The sunflower sowing must be carried out with precision seeders, the dose of 65,000/70,000 seeds/ha is needed to have the final 6/6.5 plants.



Great News

CELESTIS HO CLP

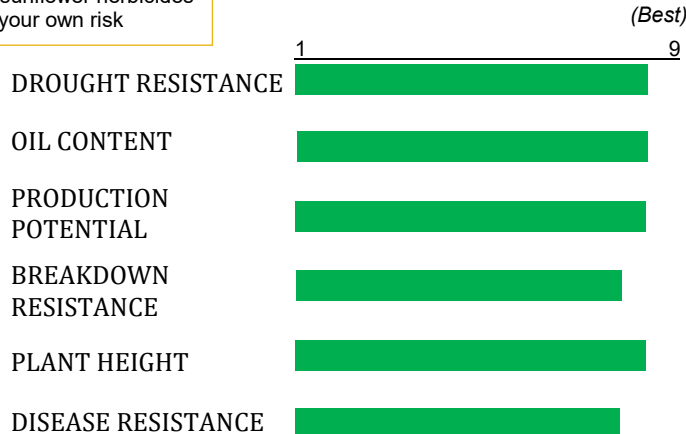


Any use on such hybrid of other herbicides imidazolinones that are not sunflower herbicides Clearfield Plus is at your own risk

**MEDIUM-EARLY
HIGH OLEIC
108 days**

The new protagonist

- Resistant Sclerotinia, Phoma, Phomopsis
- Resistant to the most common breeds of downy mildew
- Tolerates water scarcity
- High oil content
- Deep root system



Recommended investments: p.te/ha - 65/70,000

SUNTEC CL HO

**MEDIUM-EARLY
HIGH OLEIC
110 days**

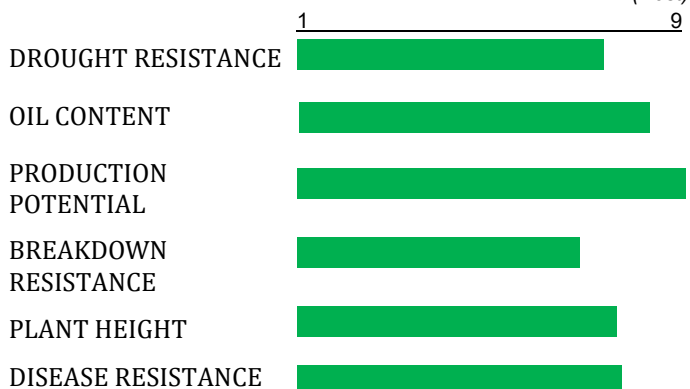


(Best)

Always at the top of production

- Resistant to the most common breeds of downy mildew
- Extreme fruitfulness
- Quick drying
- High oil content
- Tolerant to sclerotinia on calatis

Recommended investments: p.te/ha - 65/70,000



AO 447 CL

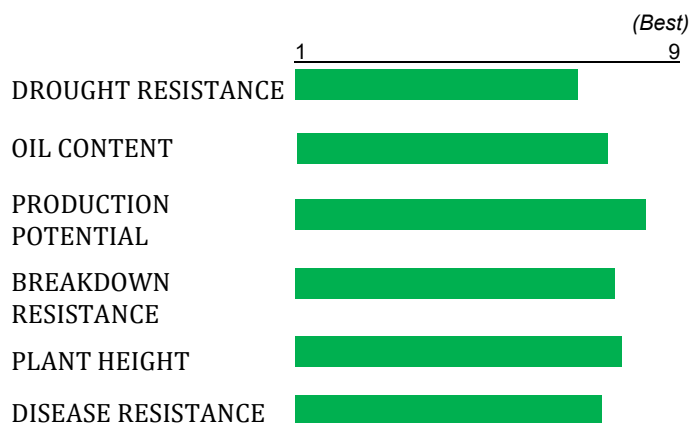


**MEDIUM-EARLY
HIGH OLEIC
108 days**

Production guarantee in every year

- It adapts to various pedoclimatic environments
- Extreme fruitfulness
- Resists water scarcity
- High oil content
- Deep root system

Recommended investments: p.te/ha - 65/70,000



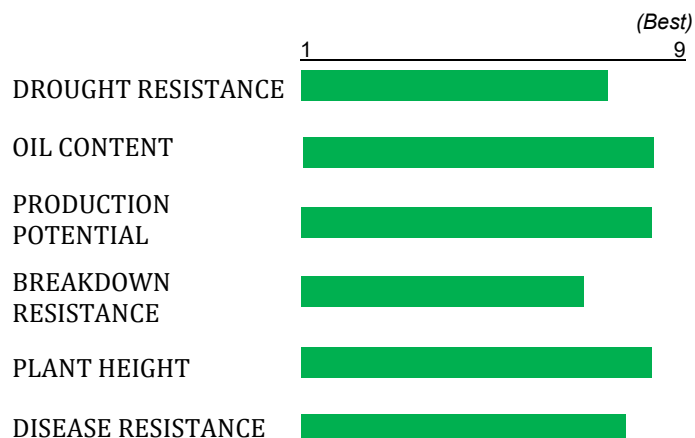
FORTERA

**MEDIUM-EARLY
HIGH OLEIC
110 days**

A myth to avoid mistakes

- High yield
- High self-fertility of calatis
- Good plant stability
- Very balanced plant
- High oil content


Recommended investments: p.te/ha - 65/70,000



SORGHUM

from grain

CROPS WITH GREAT POTENTIAL



The Sorghum (*Sorghum vulgare* or *Sorghum bicolor*) is one of the agricultural plants with the greatest future prospect, very interesting in the face of the great challenges that agriculture must face. It is a very versatile cereal, it makes limited use of resources with agronomic and economic advantages. The enormous potential has yet to be expressed, and in fact the world's fifth most economically important cereal after wheat, rice, corn and barley. According to Andrea Formigoni, professor of nutrition and animal nutrition at the University of Bologna, sorghum presents a positive trend and its future is certainly bright. Grain sorghum is the cereal with the characteristics closest to those of corn and can be included in the food rations of various animals (primarily dairy cattle, pigs and sheep), even as a complete replacement, but with correct inclusion in the ration and corn silage can also be replaced by silosorghum with adequate starch additions in the rations.

Producing sorghum costs just over half as much as corn. Sorghum is a rustic species, with low environmental impact, capable of overcoming thermal and water stress well by temporarily slowing down its metabolism. It provides satisfactory production even in difficult environmental and meteorological conditions.

Given the total absence of gluten, it is possible to use it in particular supply chains dedicated to human nutrition.

RGT ALIGGATOR

Medium early
White grain

(Best)

High production is safe

- It adapts to various agronomic situations
- Medium-low size
- Uniformity of growth
- Uniform maturation
- White grain without tannin
- Compact panic

Recommended investments - 350/400,000 seeds/ha
In low fertility: 320/350,000 seeds/ha



TEODOR

SW 2G S 26

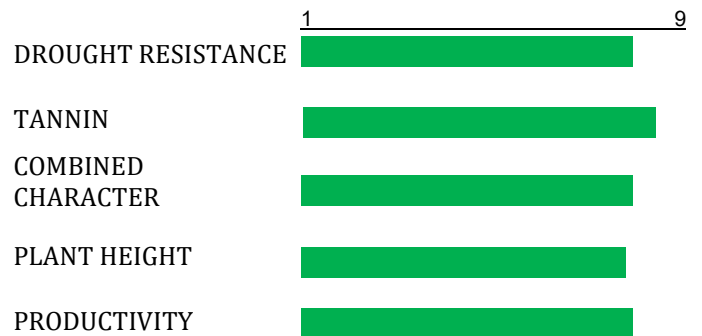
Medium
White grain

(Best)

Low size and safe harvests

- Medium cycle and good protein content
- Uniformity of growth
- Resists water scarcity
- White grain in the absence of tannin
- Good root system
- High starch, suitable for food uses

Recommended investments - 350/400,000 seeds/ha
In low fertility: 320/350,000 seeds/ha



RGT GGUSTAV

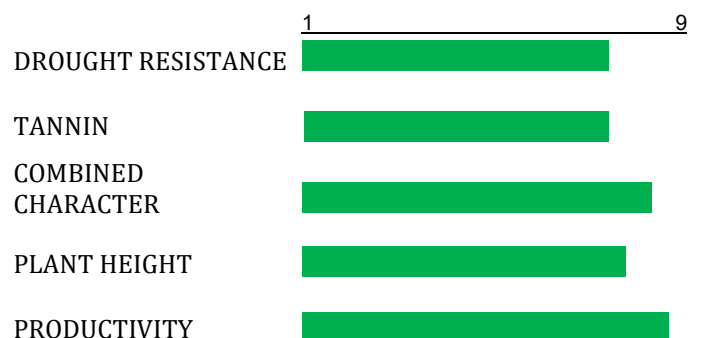
Medium
Pink grain

(Best)

High production guaranteed

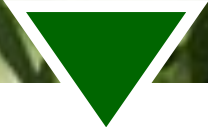
- It adapts to different climate zones
- Exceptional early vigor
- Resists water scarcity
- Semi-compact panicle
- Excellent lodging resistance
- High stay green and healthcare

Recommended investments - 300/350,000 seeds/ha
In low fertility: 280/300,000 seeds/ha



SORGHUM

from fodder CROPS WITH GREAT POTENTIAL




There is a great genetic variety in the field of forage sorghums. The "single-mown" varieties are harvested only once and require 90 to 140 days of vegetation, other varieties are multi-mown, generally for cutting or grazing: the first mowing takes place 45 to 60 days after sowing.

Single-cut fodder sorghums, also called "silage" sorghums, are characterized by a very high level of energy value and are recommended for the production of excellent quality silage or green fodder. These sorghums are intended for feeding dairy and beef cattle.

"Dual use" sorghums are characterized by an intermediate level energy value which makes them suitable for two possible uses: in the stable, thanks to the production of good quality silage; at an industrial level, mainly in the field of biogas plants.

Multi-mown fodder sorghums can be classified into two categories: 1) Sudan Grass or "Sudanese grass", generally earlier than the hybrid type, have a high vegetative vigor and a high tillering capacity, have culms and thin leaves. 2) The hybrids (Sorghum bicolor x Sudan Grass) are later grown than the Sudan Grass type, their yield potential is much higher and they have a more rustic and vigorous morphology.



RGT AMIGGO

**Cycle
Very early**

For the production of large masses of silage in a very short time

- High production potential
- High content of soluble sugars 8/16
- Starch content 5/10%.
- Low NDF fiber content
- The harvest; in 90/100 days



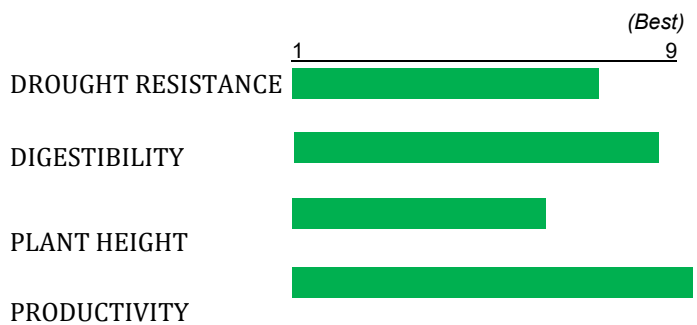
*Recommended investments: seeds/ha - 240/260,000
In low fertility: 220/240,000 seeds/ha*

RGT BIGGBEN

**Cycle
early**

Hybrid for high energy silage

- Excellent digestibility
- Excellent biogas production
- Resistant to water and thermal stress
- Rapid vegetative cycle
- White, quality grain without tannins
- High starch content (up to 30%)



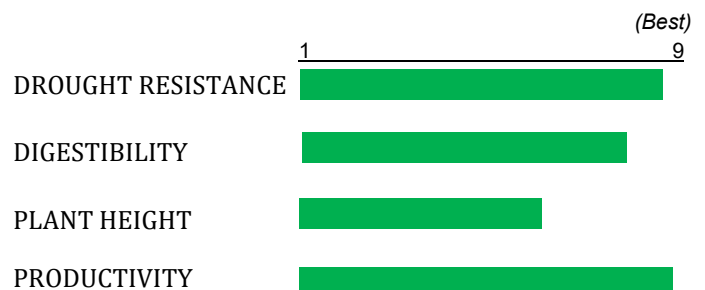
*Recommended investments: seeds/ha - 220/250,000
In low fertility: 180/220,000 seeds/ha*

BIG BANG. R

**Cycle
early**

For super energetic silage

- Excellent ratio between starch, fiber and sugars
- Excellent biogas production
- Very versatile in stressful conditions
- Rapid vegetative cycle
- High starch content (up to 30%)
- High content of soluble sugars



*Recommended investments - seeds/ha 240/260,000
In low fertility: 220/240,000 seeds/ha*

ALFALFA



The Medica is a perennial plant, with a tap root system that can reach a length of 3–5 m; it has a basal crown from which more or less erect stems originate which can reach one meter in height and are hollow inside.

The leaves are trifoliate. The inflorescence is made up of a raceme of purple-blue zygomorphic flowers. The fruits are spiral legumes containing 2-6 seeds. The seeds are very small (100 of them weigh 0.2 g). The plant reproduces on fresh and deep soils rich in calcium. The medicaio is a multi-year lawn that is able to provide several cuts in a year. Given its origin from arid regions, alfalfa suffers from excesses of humidity during the vegetative period, while it tolerates humidity well during rest. The extremely taproot system of alfalfa allows it not to suffer from lack of water, given that it is able to access even deep water reserves.



PALLADIANA

**Semi
dormant**

Special for suitable but drought areas

- Tolerance to fungal diseases
- Good resistance to cold.ù
- High digestibility of fiber
- Excellent results throughout Italy
- Resistant to trampling
- Very good longevity

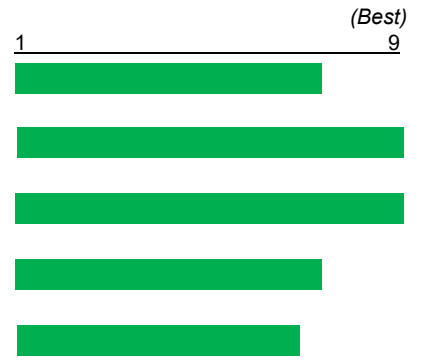
DORMANCY

CYCLE

HEIGHT

PERFORMANCE

AVERAGE NUMBER OF
ANNUAL MOWINGS



Recommended investments:

Well prepared and refined soils 30/40 kg/ha - Coarser soils 35/45 kg/ha

VANDA

**Semi
dormant**

Productive and persistent

- High digestibility of fiber
- Excellent in any environment
- Good resistance to plant diseases
- Excellent protein content
- Extreme longevity
- Cold resistant

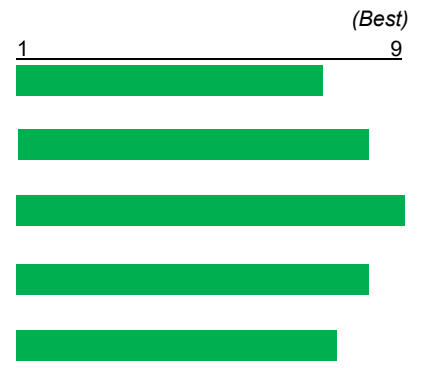
DORMANCY

CYCLE

HEIGHT

PERFORMANCE

AVERAGE NUMBER OF
ANNUAL MOWINGS



Recommended investments:

Well prepared and refined soils 30/40 kg/ha - Coarser soils 35/45 kg/ha

ALS M68

**Semi
dormant**

Productivity and quality

- Resistant to even intense cold
- Also usable for grazing
- High digestibility
- Good protein content
- Fast regrowth after cutting
- High longevity

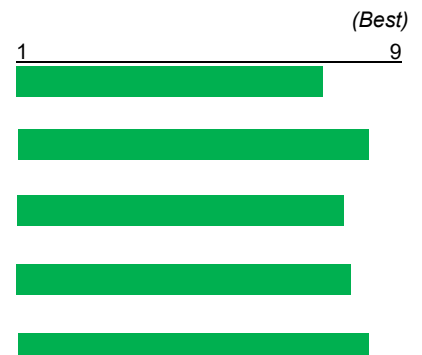
DORMANCY

CYCLE

HEIGHT

PERFORMANCE

AVERAGE NUMBER OF
ANNUAL MOWINGS



Recommended investments:

Well prepared and refined soils 30/40 kg/ha - Coarser soils 35/45 kg/ha

Allseeds
High Quality

Allseeds

High Quality

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