

**A>KEREAL**  
**>CROATIA**





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# Production and multiplication of seeds



## *All production and multiplication of seeds takes place in Croatia.*

Axereal's team of experts is working on the development of a new assortment by selecting varieties that are most suitable for our agro-climatic conditions. Through several years of testing new varieties, they are gradually introduced into the seed production program and after that the varieties are placed on the market.

In recent years, we have been making additional efforts to improve seed quality.

The seeds are refined with an **optical cleaner**, and in this way, highly refined seeds are obtained, with a high percentage of germination and purity. After cleaning, the seeds are treated with nodule bacteria, which later in the soil results in a more efficient development of nodules on the soybean root for better fixation of atmospheric nitrogen. This technology is known as N-MAX technology.





Cover  
Crop

# Lissabon

*The ideal combination of early maturity,  
stability and high yield !*



## Variety characteristics

- Very early variety (Group 000)
- Cover crop with high yield potential
- Fast germination even in dry farming conditions
- Irrigation enables good competitiveness and increased yields
- Plant height: medium
- Hilum color: yellow
- Flower color: violet
- The stem is overgrown with yellow hairs



## Quality characteristics

- Protein content: 38 - 40 %
- Oil content: 19 - 21 %



## Agro-tehnickal characteristics

- Optimal sowing date: until mid-June in dry farming; until June 25 in irrigation conditions
- Recommended sowing density:  
- 70 - 75 grains/m<sup>2</sup> in dry farming  
- 60 - 65 grains/m<sup>2</sup> in irrigation conditions
- Time of full ripening of cover crop: from the end of September until the beginning of October



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





Cover  
Crop

# ES Comandor

*The ideal combination of early maturity,  
stability and high yield !*



## Variety characteristics

- Very early variety (Group 000)
- Cover crop with high yield potential
- The variety is sensitive to the active substance pendimethalin
- Plant height: low
- Hilum color: yellow
- Flower color: violet
- High pod shattering tolerance



## Quality characteristics

- Protein content: 40- 42 %
- Oil content: 19 - 21 %



## Agro-tehnickal characteristics

- Optimal sowing date: until mid-June in dry farming; until June 25 in irrigation conditions
- Recommended sowing density:
  - 70 -75 grains/m<sup>2</sup> in dry farming
  - 60 - 65 grains/m<sup>2</sup> in irrigation conditions



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





Cover  
Crop

# Aurelina

*New variety with high protein content !*



## Variety characteristics

- Very early variety (Group 000)
- Variety with high yield potential
- Plant height: medium to high
- Hilum color: yellow
- Flower color: violet
- 1st pod height: 12 cm
- Thousand Kernel Weight: 178 g



## Quality characteristics

- Protein content: 40 - 43 %
- Oil content: 18 - 20 %



## Agro-tehnickal characteristics

- Optimal sowing date: mid-June
- Recommended sowing density: 60 -70 grains/m<sup>2</sup>
- Distance between rows: 25 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





Cover  
Crop

# Alvesta

*New high-yielding variety !*



## Variety characteristics

- Early variety (Group 00)
- Variety with high yield potential
- Plant height: high
- Hilum color: yellow
- Flower color: violet
- 1st pod height: 12 cm
- Thousand Kernel Weight: 178 g



## Quality characteristics

- Protein content: 40 - 43 %
- Oil content: 18 - 20 %



## Agro-tehnikal characteristics

- Optimal sowing date: mid-June
- Recommended sowing density: 60 -65 grains/m<sup>2</sup>
- Distance between rows: 25 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia tolerant
- Bacteriosis: tolerant





# ES Mentor

*Elite variety for elite yields !*



## Variety characteristics

- Early variety (Group 00)
- Excellent height of first pod
- Plant height: low
- Hilum color: yellow
- Flower color: violet
- Hair color: tawny
- Type of growth: semi-determinated
- Thousand Kernel Weight: 240 g
- The variety is sensitive to the active substance metribuzin



## Quality characteristics

- Protein content: 39 - 40 %
- Oil content: 21 - 22 %



## Agro-tehnical characteristics

- Optimal sowing date: by May 20 in dry farming; until the end of May in irrigation conditions
- Recommended sowing density: 60 -65 grains/m<sup>2</sup>
- Distance between rows 25 cm
- Irrigation enables the higher yield potential
- A strong central tree without side branches



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotnia: tolerant
- Bacteriosis: tolerant





# ES Albator

*Sorta koja jamči visok sadržaj proteina !*



## Variety characteristics

- Early variety (Group 00)
- Plant height: low
- Hilum color: yellow
- Flower color: violet
- Hair color: tawny
- Type of growth: semi-determinated
- Thousand Kernel Weight: 203g
- The variety is sensitive to the active substance metribuzin



## Agro-tehnickal characteristics

- Optimal sowing date: by May 20 in dry farming; until the end of May in irrigation conditions
- Recommended sowing density: 60 -65 grains/m<sup>2</sup>
- Distance between rows: 25 cm
- Irrigation enables the higher yield potential



## Quality characteristics

- Protein content: 42 %
- Oil content: 20 - 21 %



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





# Betty

*A variety that, with its production potential, enables high yields, and due to the time of ripening, harvest at the optimal time !*



## Variety characteristics

- Early variety (Group 00)
- Variety with excellent production potential
- Plant height: medium
- Hilum color: yellow
- Flower color: violet



## Quality characteristics

- Protein content: 39 - 41 %
- Oil content: 21 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date: from April 20 until May 20
- Recommended sowing density: 50 - 55 grains/m<sup>2</sup>
- Distance between rows: 25 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





# ES Advisor

*The most productive variety in its vegetation group !*



## Variety characteristics

- Early variety (Group 0)
- A high-yielding variety with a yield potential of over 5 t/ha
- Plant height: low
- 1st pod height: 11,9 cm
- Hilum color: dark brown
- Flower color: violet
- Thousand Kernel Weight: 220 g
- Good lodging tolerance
- Good pod shattering tolerance



## Quality characteristics

- Protein content: 39 - 40 %
- Oil content: 21 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date: from April 20 until May 10
- Recommended sowing density: 55 -60 grains/m<sup>2</sup>
- Distance between rows: 25 - 50 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant
- Adhere to crop rotation to avoid common diseases in sunflower, soybean and rapeseed





# ES Tribor

*Leader in production !*



## Variety characteristics

- Early variety (Group 0)
- High productivity variety
- Plant height: 85 cm
- Hilum color: dark brown
- Flower color: violet
- Type of Growth: semi-determinated
- 1st pod height: 12,9 cm
- Thousand Kernel Weight: 212 g
- The variety is moderately sensitive to the active substance pendimethalin



## Quality characteristics

- Protein content: 40 - 43 %
- Oil content 21 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date: by the end of April
- Recommended sowing density:
  - 55 -60 grains/m<sup>2</sup> in dry farming
  - 40 - 50 grains/m<sup>2</sup> in irrigation conditions
- Distance between rows: 25 - 50 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





# Avril

Queen among soybeans !



## Variety characteristics

- Medium late variety (Group I)
- Variety with high yield potential
- Plant height: medium to high
- Hilum color: brown
- Flower color: violet
- Thousand Kernel Weight: 170 - 180 g



## Quality characteristics

- Protein content: 41 %
- Oil content: 21 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date : by the end of April
- Recommended sowing density: 45 -50 grains/m<sup>2</sup>
- Thanks to its robustness, it can be sown at an inter-row distance of 50 cm



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





# ES Pallador

*The variety with the highest yields in production !*



## Variety characteristics

- Medium late variety (Group I)
- Variety with high yield potential
- Plant height: medium to high
- Hilum color: dark brown
- Flower color: violet
- 1st pod height: up to 18 cm
- Excellent lateral branching potential
- Leaf shape: lanceolate - exceptional tolerance to drought conditions



## Quality characteristics

- Protein content: 41 - 43 %
- Oil content: 21 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date: until April 20
- Recommended sowing density:
  - 45 - 50 grains/m<sup>2</sup> in dry farming
  - 39 - 44 grains/m<sup>2</sup> in irrigation conditions
- Distance between rows: 50 - 70 cm
- Excellent plant vigor



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia: tolerant
- Bacteriosis: tolerant





# ES Mediator

*The new winner among soybeans !*



## Variety characteristics

- Medium late variety (Group I)
- Variety with high yield potential over 5,5 t/ha
- Plant height: medium
- Hilum color: black
- Flower color: violet
- 1st pod height: 14,3 cm
- Good pod shattering tolerance



## Quality characteristics

- Protein content: 40 - 42 %
- Oil content: 20 - 22 %



## Agro-tehnickal characteristics

- Optimal sowing date: until April 20
- Recommended sowing density: 50 -55 grains/m<sup>2</sup>
- Distance between rows: 50 - 60 cm
- Uniform ripening for quick and easy harvesting
- Robust plant - quickly closes the inter-row space



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotnia: tolerant
- Bacteriosis: tolerant





NEW

# ES Conqueror

*A new variety that ensures excellent yields !*



## Variety characteristics

- Medium late variety (Group I)
- Variety with high-yielding potential
- Plant height: low
- Hilum color: black
- Flower color: violet
- 1st pod height: 14,3 cm
- Good pod shattering tolerance
- Thousand Kernel Weight: 208 g



## Quality characteristics

- Protein content: 42,6 %
- Oil content: 20 - 22 %



## Agro-technical characteristics

- Optimal sowing date: until April 20
- Recommended sowing density: 50 -55 grains/m<sup>2</sup>
- Distance between rows: 50 - 60 cm
- Uniform ripening for quick and easy harvesting



## Diseases tolerances

- Phytophthora blight: tolerant
- Sclerotinia tolerant
- Bacteriosis: tolerant





# Field days





## ES MENTOR (00)

LOCATION	YIELD (kg/ha)
Lijeva Martinska Ves	2.942
Nova Gradiška	2.659

## ES CONQUEROR (I)

LOCATION	YIELD (kg/ha)
Zvonimirovac	3.434
Bokšić	3.142
Nova Gradiška	4.654

## ES ADVISOR (0)

LOCATION	YIELD (kg/ha)
Lijeva Martinska Ves	3.830
Zvonimirovac	3.001
Vaška	4.904
Sveti Đurađ	3.198
Drenovac	2.937
Nova Gradiška	2.792

## ES MEDIATOR (I)

LOCATION	YIELD (kg/ha)
Zvonimirovac	3.210
Vaška	3.961
Kutovi	3.500
Bokšić	3.461
Sveti Đurađ	3.997
Drenovci	3.812
Nova Gradiška	4.122

## ES TRIBOR (0)

LOCATION	YIELD (kg/ha)
Zvonimirovac	3.001
Vaška	4.476
Bokšić	3.290
Sveti Đurađ	4.672
Drenovci	3.375
Nova Gradiška	3.723

## ES PALLADOR (I)

LOCATION	YIELD (kg/ha)
Zvonimirovac	3.547
Vaška	3.657
Kutovi	3.275
Bokšić	3.589
Drenovci	3.812
Nova Gradiška	3.590







### STARTER

**N - 3,5 %, P<sub>2</sub>O<sub>5</sub> - 29,5 % + MgO - 7 %**

Foliar fertilizer based on phosphorus and magnesium. Biostimulator for feeding crop and soil activator, improves mineral availability.

### PROLEO

**B - 8 %, Mo - 0,64 %**

Fertilizer for feeding plants that improves insemination, formation and vitality of nodules - nitrogen fixers and the accumulation of sugar and oil.

### VALOR K+

**N - 8,7 %, K<sub>2</sub>O - 6,3 %, SO<sub>3</sub> - 59 %**

Fertilizer which enables the addition of nutrients to the plant with a targeted effect on increasing the yield in the phase when the plants are most sensitive to the addition of nitrogen.



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