Field Crops Varieties
Dear Grower,

Hazera Genetics Ltd. is proud to present its updated catalogue. Hazera Genetics has been an active player in the global field crops seed market since 2002, building on six decades of local experience serving Israeli growers. Israel’s diverse climate conditions and soil types contribute to our development of a remarkable range of quality products suitable for regions throughout the world with Mediterranean or semi-arid climates. We are confident that among our wide range of varieties you’ll find products that perfectly suit your needs, and invite you to establish a profitable commercial relationship with Hazera - a company dedicated to supporting growers.

As members of the Limagrain Group, we also offer the latest maize, sweet corn, processing beans and garden pea varieties.

Wishing you growing success,

Hazera Genetics Field Crops Team
Wheat

Kinneret
Early maturity, high grain filling ability under dry conditions.

- Main Use: Baking
- Baking Quality: Good
- Days from Emergence to Heading: 70-75
- Plant Height (cm): 75-80
- Yield (Ton/ha): 3-5
- Resistances*: Septoria, Yellow Rust, Stem Rust
- Grain Color: Brown
- Grain TSW/gr: 43-47

Gadish
High yielder, will perform best under good growing conditions.

- Main Use: Baking, Silage
- Baking Quality: Good
- Days from Emergence to Heading: 85 - 95
- Yield (Ton/ha): 5-7
- Resistances*: Septoria, leaf rust, Yellow Rust, Stem Rust
- Grain Color: White
- Grain TSW/gr: 42-46

Ziv
Mid maturity, good grain filling ability under dry conditions.

- Main Use: Baking, Silage
- Baking Quality: Good
- Days from Emergence to Heading: 80 - 95
- Yield (Ton/ha): 3-5
- Resistances*: Yellow Rust, Stem Rust
- Grain Color: Brown
- Grain TSW/gr: 44-49

Shefa
High yielder, will perform best under good growing conditions.

- Main Use: Baking, Silage
- Baking Quality: Good
- Days from Emergence to Heading: 100 - 110
- Plant Height (cm): 90-95
- Yield (Ton/ha): 5-8
- Resistances*: Yellow Rust, Stem Rust
- Grain Color: White
- Grain TSW/gr: 42-46

* The varieties contain the resistant gene, however, resistant strains may exhibit some disease symptoms damage under heavy pest pressure and or under adverse environmental conditions. The low figure indicates Semi-Arid rain fed conditions and the high figure indicates Mediterranean rain fed conditions.
Morag
High quality Durum.

- Main Use: Pasta, Burgul
- Days from Emergence to Heading: 95-110
- Plant Height (cm): 75-80
- Yield (Ton/ha): 3-6
- Resistances*: Yellow Rust, Stem Rust
- Grain Color: Yellow ivory
- Grain TSW/gr: 55-63

Beit Hashita
Early variety, dwarf, resistant to lodging.
Large size grain.

- Main Use: Baking
- Baking Quality: Good
- Days from Emergence to Heading: 70-80
- Plant Height (cm): 75-80
- Yield (Ton/ha): 4-8
- Resistances*: Yellow Rust Lodging
- Grain Color: Light brown

Dariel
High yielding variety. Semi dwarf plant with abundant foliage. Field resistance to Septoria.

- Main Use: Baking, Silage
- Baking Quality: Very good
- Days from Emergence to Heading: 95-105
- Plant Height (cm): 95-100
- Yield (Ton/ha): 5-8
- Resistances*: Leaf Rust, Septoria
- Grain Color: White
- Grain TSW/gr: 38-42

Galil
Mid-late variety, semi-dwarf; extremely high yields of white colored grain, High resistant to lodging.

- Main Use: Baking, Silage
- Baking Quality: Good
- Days from Emergence to Heading: 80-90
- Plant Height (cm): 90-95
- Yield (Ton/ha): 5-8
- Resistances*: Stem Rust, Leaf Rust, Septoria
- Grain Color: White
- Grain TSW/gr: 40-44

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Negev
Early variety, semi-dwarf; high yields and quality straw. Field resistance to Septoria.

- **Main Use:** Baking
- **Baking Quality:** Very good
- **Days from Emergence to Heading:** 70-75
- **Plant Height (cm):** 85-90
- **Yield (Ton/ha):** 4-9
- **Resistances**: Septoria, Leaf Rust, Yellow Rust
- **Grain Color:** Light brown
- **Grain TSW/gr:** 40-44

Shoham
Late variety. About 4-5 days later than Dariel. Highly recommended for silage. High yielding variety. Most suitable to the Mediterranean climate.

- **Main Use:** Baking, Silage
- **Baking Quality:** Good
- **Days from Emergence to Heading:** 100-115
- **Plant Height (cm):** 100-110
- **Yield (Ton/ha):** 5-7
- **Resistances**: Septoria, Leaf Rust, Yellow Rust, Stem Rust
- **Grain Color:** Brown
- **Grain TSW/gr:** 42-46

Zahir
Very early variety, most suitable to semi-arid conditions. High yielder even under low precipitation.

- **Days from Emergence to Heading:** 70-75
- **Plant Height (cm):** 90-95
- **Yield (Ton/ha):** 5-8
- **Resistances**: Stem Rust, Leaf Rust, Septoria
- **Grain Color:** Light brown
- **Grain TSW/gr:** 40-44

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Cotton

**F1 Hybrids - Inter-Specific crosses of G. hirsutum x G. barbadense (ISH).**

All ISH have vigorous plant development and high water use efficiency. ISH are highly tolerant to soil borne diseases (Verticillium spp. & Fusarium race 3*).

**HA-211 / Intercott 211**
Early hybrid with Determinant plant.

Lint Quality Values
- Strength (gr/tex): 36 - 39
- Elongation %: 7.5 - 8.0
- Fineness (micr.): 3.6 - 3.8
- Length (inch): 1.36 - 1.37

**HA-701 / Intercott 701**
Early hybrid with Determinant plant (white corolla).

Lint Quality Values
- Strength (gr/tex): 36 - 39
- Elongation %: 6.5 - 7.5
- Fineness (micr.): 3.6 - 3.8
- Length (inch): 1.33 – 1.34

**HA-1432 / Intercott 1432**
Very high yield potential.

Lint Quality Values
- Strength (gr/tex): 36 - 39
- Elongation %: 6.5 – 7.5
- Fineness (micr.): 3.7 – 3.9
- Length (inch): 1.33 – 1.35

**HA 690 / Intercott 690**
Medium season (white corolla).

Lint Quality Values
- Strength (gr/tex): 36 - 39
- Elongation %: 6.5 - 7.5
- Fineness (micr.): 3.7 - 3.9
- Length (inch): 1.33 - 1.35

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Attention: This information and any complementary/other verbal or written information that may be given on behalf of Hazera present average results of specific trials; these are neither exhaustive nor necessarily accurate and may not be regarded as advice, guidance, recommendation, representation or warranty. Sowing times and growing areas are indicative only. Pictures are illustrative only. The sale & use of seeds are subject to the terms and conditions appearing collectively on seed packages and in catalogues and/or at: http://www.hazera.com/terms-and-conditions. © Hazera 2017. All rights reserved.
Open Pollinated Varieties – Acala Type

Ravon

New Acala type improved yield & quality.

Lint Quality Values

- Strength (gr/tex): 28-29
- Elongation %: 6-7
- Fineness (micr.): 4-4.2
- Length (inch): 1.17

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Chickpea

Bar
Resistant to Ascochita, resistant to Fusarium, erect plant, smooth seeds, medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 420-430
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.5-2.2 ton per hectare
- High resistance to Ascochita Blight
- High field tolerance to Fusarium (races 0 & 6)*

Raz
Resistant to Ascochyta, very erect tall plant, resistant to lodging, smooth seeds, medium late maturity.

- Plant Habit: Very erect
- Maturity: Medium late
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 320-340
- Seed Shape: Smooth
- Yield: Under rain fed regime: 1.5-2.2 ton per hectare
- Resistance to lodging
- Good field resistance to Ascochita Blight*

Yarden
Resistant to Ascochyta, erect plant, resistant to lodging, medium sized seed, early maturity.

- Plant Habit: Erect
- Maturity: Early
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 430-460
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.5 – 2.2 ton per hectare
- Good field resistance to Ascochita Blight
- Grows well under rain fed conditions
- Resistance to lodging*

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Zehavit
Resistant to Ascochita Blight, erect plant medium sized wrinkled seeds, medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Off white
- 1000 Seeds Weight (gr): 380-400
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.5-2.2 ton per hectare
- Good field resistance to Ascochita Blight*

Arbel (H-500)
Large kernel, high yield.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Off white
- 1000 Seeds Weight (gr): 500-530
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.5-2.2 ton per hectare
- Good field resistance to Ascochita Blight*

Baram (Hazera 106)
Highly resistant to Fusarium (race 0, 6) medium sized seed, medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 450 - 460
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.6-2.4 ton per hectare
- High resistance to Ascochita Blight*
- Resistance to lodging*

Yair (Hazera 3205)
Highly resistant to Fusarium (race 0, 6) medium to big sized seed, medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 450 - 470
- Seed Shape: Wrinkled
- Yield: Under rain fed regime: 1.4-2.4 ton per hectare
- High resistance to Ascochita Blight*
- Resistance to lodging*

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Yanir (Hazera 610)
High yielder variety combined with a big sized seed medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 470 - 490
- Seed Shape: Wrinkled
- Good yield under rain fed
- High resistance to Ascochita Blight*
- Resistance to lodging*

Peleg (Hazera 108)
High yielder variety, yield stability over multiple years and big sized seed medium maturity.

- Plant Habit: Erect
- Maturity: Medium
- Seed Color: Yellowish white
- 1000 Seeds Weight (gr): 460 - 480
- Seed Shape: Wrinkled
- Good yield under rain fed
- High resistance to Ascochita Blight*
- Resistance to lodging*
Confectionery Sunflowers

Opal
- Days to Blooming: 74
- Height (cm): 160
- Yield (Ton/ha): 3-4 under irrigation
- Yield Class A – seeds over sieve 22/64" (%): 85
- THW (gr): 185
- Kernel Length (mm): 21-22
- Rust Tolerance*: -

Shelly
- Days to Blooming: 65
- Height (cm): 145
- Yield (Ton/ha): 3 under irrigation
- Yield Class A – seeds over sieve 22/64" (%): 80
- THW (gr): 195
- Kernel Length (mm): 23-24
- Rust Tolerance*: +

18-008
- Days to Blooming: 60
- Height (cm): 135
- Yield (Ton/ha): 3-4 under irrigation
- Yield Class A – seeds over sieve 22/64" (%): 77
- THW (gr): 180
- Kernel Length (mm): 24-25
- Rust Tolerance*: -

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Oat

**Saia 4**
Medium maturing variety, harvest in mid-April.

**Saia 6**
Late variety harvested at the end of April or early May. Suitable locally for higher rainfall regions with over 400 mm per annum.
Vetch

Popani
Erect plant with narrow silvery green leaves. Popani is a spring variety which can be grown in a various growing conditions, including semiarid areas and marginal stony soils. In general it maintains a very constant rhythm of growth throughout the season. It can be grown for hay in a pure stand or in a mixture with the clover variety Tabor.

- Thousand weight (gr.): 38-40
- Seeding rate (kg/Hectare): 80-90
- Resistances*: Orobanche, Powdery mildew, Leaf aphid
- Yield - Dry matter (Kg/Hectare): 4000-8000 (according to the rain quantity)

Sadot
Erect plant with narrow silvery green leaves. The seeds are large (1000 seed weight: 40-42 g), so that 80-90 kg are needed to plant 1 hectare. Field tolerance to powdery mildew, leaf aphids and broomrape. Sadot can be grown in a variety of growing conditions, including semiarid areas and marginal stony soils. Sown in the spring, in general it maintains a very constant rhythm of growth throughout the season. Its yields range between 3-6 tons of hay per hectare.

- Thousand weight (gr.): 40-42
- Seeding rate (kg/Hectare): 80-90
- Resistances*: Orobanche, Powdery mildew, Leaf aphid
- Yield - Dry matter (Kg/Hectare): 3000-6000 (according to the rain quantity)

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**Alfalfa**

**Gilboa**

Hazera’s strain of Hairy Peruvian, adapted to medium or heavy well drained soils. The stand persists for 3-4 years, depending on growing conditions and management. Plants reach a height of 60-75 cm. During the summer, it can be cut every 30 days for hay, or every 23 days for high protein alfalfa meal production. Our selection is specially adapted to subtropical conditions, and withstands high summer temperatures as well as mild winter growing conditions. Highly successful in Mediterranean countries as well as in Africa and South & Central America (including tropical latitudes).
Clover

Tabor (Single Cut)

Annual, adapted to most soil types. Grows up to one inch per day in warm weather and may reach a height of 100 cm. Suitable for the production of high quality hay or forage, either as a pure stand of clover or in mixture with a cereal crop (such as oats), grass or vetch. Highly suitable as a green manure crop, particularly in vineyards and orchards, owing to its low seeding rate, comparatively inexpensive seed and high yields. Tabor is recommended in northern Europe, mixed with alfalfa in a ratio of 1:2.5, to encourage a plentiful first cut and to prevent weed infestation, yields may reach 30 tons per ha. of green forage. Harvesting for hay should take place in the early flowering stage.

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1000 Seed Weight and Quantity per Hectare

<table>
<thead>
<tr>
<th>Crop</th>
<th>Variety</th>
<th>1000 Seed Weight</th>
<th>Seeding Rate Kg/Hectare</th>
<th>No. of Seeds (per running meter)</th>
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<tr>
<td>Field Pea</td>
<td>Yuly</td>
<td>155-165</td>
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<td>Alfalfa</td>
<td>Gilboa</td>
<td>2.5</td>
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<td>Vetch</td>
<td>Yovel</td>
<td>30 – 33</td>
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<td>Sadot</td>
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<td>70 – 80</td>
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<td>Popani</td>
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<td>60 – 70</td>
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<td>Chickpeas</td>
<td>Zehavit</td>
<td>370 – 400</td>
<td>60 – 70</td>
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<td>Yarden</td>
<td>440 – 460</td>
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<td>Raz</td>
<td>300 – 320</td>
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<td>Bar</td>
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<td>Bread Wheat</td>
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