Genesis Seeds Ltd.
SINCE 1994

Breeding & Production of Vegetable & Herb Seeds

WWW.GENESISSEEDS.COM
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Our Vision

Using organic agro-techniques
Taking advantage of the Israeli desert microclimate
Breeding and production done only in Israel
Marketing and distribution of our genetics
To service seed companies and distributors worldwide

We believe that seed production is not just another business, it is a way of life that brings joy and endless creativity
Introduction

Research

The research is carried out in Genesis Seeds’ Certified Organic Farm in ‘Ramat HaNegev,’ an elevated desert area in the southern part of Israel.

The climate is very dry and the farm is isolated from other vegetation.

Our research objective is to accommodate special growers needs. We have the ability to adapt to the constant changes in the market.

Production (from planting to processing)

In Israel we have two main planting seasons: Autumn and Spring.

The Autumn planting period is from August to October depending on the crop. Harvest takes place in the Summer from July to September of the following year.

Spring planting is from early March to the end of May. Harvest takes place from July to September of the following year.

Current breeding program includes:

- Artichoke: Dr. Nakdimon Umiel
- Basil: Dr. Nativ Dudai (ARO)
- Cucumber: Mr. Shlomo Niego (M.Sc.)
- Eggplants: Mrs. Anat Shahaf (B.Agr.)
- Lettuce: Mr. Ehud Raziel
- Tomato: Mr. Doron Cohen (M.Sc.)
- Melon & Watermelon: Dr. Ran Herman
- Peppers: Dr. Iftah Mazor
- Squash: Dr. Harry Paris (ARO)
- Stevia: Mrs. Anat Shahaf (B.Agr.)
- Sunflower: Dr. Nakdimon Umiel

* Molecular and Biological tests: Dr. Iftah Mazor

Intellectual Property

All intellectual property rights, including trademarks, with regards to the products are and shall remain the sole property of the seller. The buyer shall refrain from using the product for multiplication and/or reproduction purposes, nor conduct any vegetative propagation with the seller’s hybrids or cultivars.

The buyer will not use trademarks, logos and photos that are property of the seller unless authorized by the seller to do so.
Post-Harvest

Quality control covers all stages from planting to packing and shipment. After the seeds are processed, the following quality checks take place:

- Storage: Controlled temperature (15-17°C) and humidity (25%) storage facility in Ashalim.
- Germination and purity are tested in an external ISTA laboratory. Samples for germination are taken randomly by the PPIS supervisor and sent to the lab. In addition, we conduct a regular follow-up at our in-house lab at the Ashalim logistic center.
- Disease and virus control are carried out by external laboratories and samples are taken randomly by a ‘PPIS’ representative.
- True-to-Type (Post Control): Carried out in vivo according to ISTA standards. For molecular testing we use external laboratories.

Packing & Shipping: We can pack by weight or seed count according to customer request.

Production and marketing of our seeds follows Quality Assurance Methods (ISO 9001), and Environmental Assurance Methods (ISO 14000).
**Tomato** *Solanum lycopersicum*

**SALADETTE (ID)**

### Shani F1

Firm Medium size oval tomato with a nice juicy taste. Develops clusters of 6-7 fruits, but is commonly used for fresh market single picking. Vigorous plant, relatively early for year round production.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Growing Habit</th>
<th>Fruit/Cluster</th>
<th>Single</th>
<th>Ave. Fruit Weight (gr.)</th>
<th>Days to Maturity</th>
<th>Ave. Seeds/ gr.</th>
<th>Ave M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>TYLCV</th>
<th>TMV</th>
<th>N</th>
<th>V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shani F1</td>
<td>ID</td>
<td>6-7</td>
<td>Yes</td>
<td>80</td>
<td>75</td>
<td>300</td>
<td>3.5</td>
<td>20-25,000</td>
<td>IR</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
</tr>
</tbody>
</table>

* Resistances: TSWV - Tomato Spotted Wilt Virus • TMV (L) - Tobacco Mosaic Virus • TYLCV - Tomato Yellow Leaf Curl Virus • V - Verticillium, Wilt • Fol - Fusarium Wilt • N - Nematode • IR - Intermediate Resistance • HR - High Resistance

*Pictures in the catalog illustrate the type of crop and not a particular variety. All information is subject to market demand and local conditions.

© - Genesis Seeds Proprietary | 🫠 - HUJI Proprietary | 🪯 - ARO Proprietary | 🌿 - Heirloom
**Tomato** *Solanum lycopersicum*

**GREENHOUSE (ID)**

---

**Ella F1**

Larger than the original Daniela. Strong plant with good leaf coverage, and firm fruit with a nice flavor. Good shelf life. Used for fresh market single picking.

---

**Lola F1**

Extra-large tomato from the quality genetics of the faculty of agriculture.

Long shelf life. Tasty. Very productive with good leaf coverage. Very uniform (also at upper internodes). Single picking for the fresh market.

"EXCELLENT - Healthy plants, a lot of tomatoes, very tasty"

---

**Alegra F1**

A cluster vine type variety for greenhouse production. Long Shelf life fruits with nice fresh vine flavor.

Strong plant with very good leaf coverage. Uniform and good for year round production.

---

### Variety Name | Growing Habit | Fruit/Cluster | Cluster | Single | Ave. Fruit Weight (gr.) | Days to Maturity | Ave. Seeds/ gr. | Ave. M Seed Weight (gr.) | Plants/Ha | TYLHV | TMV | Fol | TSWV | N | V
---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---
Ella F1 | ID | 4-5 | Yes | 160 | 80 | 360 | 3.0 | 20-25,000 | IR | 1.2HR | HR |  
Lola F1 | ID | 3-4 | Yes | 200 | 80 | 410 | 2.5 | 20-25,000 | HR | 1.2HR | IR | HR |  
Alegra F1 | ID | 7-8 | Yes | 80 | 75 | 320 | 3.5 | 20-25,000 | HR | 1.2HR | HR | HR |  

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- Genesis Seeds Proprietary | HUJI Proprietary | ARO Proprietary | Heirloom
Tomato  *Solanum lycopersicum*

**OPEN FIELD (D)**

**Betty F1**

Extraordinary tasty dark red juicy tomato with a substantial beef size. It has the characteristics of a heirloom tomato combined with the large yield of a hybrid. Good for early spring production.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Growing Habit</th>
<th>Fruit/Cluster</th>
<th>Single</th>
<th>Ave. Fruit Weight (gr.)</th>
<th>Days to Maturity</th>
<th>Ave. Seeds/ gr.</th>
<th>Ave M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Greenhouse/Open Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Betty F1</td>
<td>D 3-4</td>
<td>Yes</td>
<td>250</td>
<td>60</td>
<td>350</td>
<td>3.0</td>
<td>12-15,000</td>
<td>Open Field</td>
<td></td>
</tr>
</tbody>
</table>

Resistances: TSWV - Tomato Spotted Wilt Virus • TMV (L) - Tobacco Mosaic Virus • TYLCV - Tomato Yellow Leaf Curl Virus • V - Verticillium, Wilt • Fol - Fusarium Wilt • N - Nematode • IR - Intermediate Resistance • HR - High Resistance

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- Genesis Seeds Proprietary |HUJI Proprietary |ARO Proprietary |Heirloom
**Tomato**  
*Solanum lycopersicum*

**CHERRY (ID)**

---

**Sarina F1**

Sarina is a red cherry tomato which is competitive to other cherry varieties in the market. High productivity, quality flavor and longevity. The plant has strong vegetation with good resistance package that can keep the ongoing production year round.

---

**Esterina F1**

Esterina yellow cherry is multi-cluster types that produce continuously huge amounts of fruits. The fruits have a very unique sweet flavor. It can be grown both in greenhouse or open field with stake support. The fruits have no longevity and it can only suit small growers.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Growing Habit</th>
<th>Fruit/Cluster</th>
<th>Cluster</th>
<th>Single</th>
<th>Ave. Fruit Weight (gr.)</th>
<th>Days to Maturity</th>
<th>Ave. Seeds/ gr.</th>
<th>Ave M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>TYLCV</th>
<th>TMV</th>
<th>Fol</th>
<th>TSWV</th>
<th>N</th>
<th>V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sarina F1</td>
<td>ID 14-16</td>
<td>Yes</td>
<td>Yes</td>
<td>15</td>
<td>60</td>
<td>450</td>
<td>2.5</td>
<td>30-35,000</td>
<td>IR HR</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Esterina F1</td>
<td>ID 30-40</td>
<td>Yes</td>
<td>Yes</td>
<td>12</td>
<td>60</td>
<td>440</td>
<td>2.5</td>
<td>30-35,000</td>
<td>1,2HR</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Resistances:** TSWV - Tomato Spotted Wilt Virus • TMV (L) - Tobacco Mosaic Virus • TYLCV - Tomato Yellow Leaf Curl Virus • V - Verticillium, Wilt • Fol - Fusarium Wilt • N - Nematode • IR - Intermediate Resistance • HR - High Resistance

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Pepper *Capsicum annuum*

**Madonna F1**

**Plant description:**
- Vigorous growth
- Good leaf coverage
- High continuous yield potential
- Good setting in warm climate

**Summer**
Public trials were carried out in a net-house in May 2013 (Israel). The total yield of the Madonna was 155 tons/ha higher and earlier than the control (Decaperio) and an average fruit weight 170 gr.

**Winter**
Public trials were carried out in raised net tunnels in August 2013 (Israel). The total yield of the Madonna was 134 tons/ha, and the average fruit weight was 145 gr.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Av. Fruit weight* Gr/fruit</th>
<th>Av. Total weight* Ton/Ha</th>
<th>Growth Character</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/ Ha</th>
<th>PMMV</th>
<th>TSWV</th>
<th>PMT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Madonna F1</td>
<td>Blocky</td>
<td>Green-yellow</td>
<td>Summer May-Dec 170</td>
<td>Winter Aug.-Apr. 145</td>
<td>Compact</td>
<td>70-80</td>
<td>Sweet</td>
<td>110</td>
<td>9</td>
<td>35,000</td>
<td>L4 (HR)</td>
<td>IR</td>
<td>IR</td>
</tr>
</tbody>
</table>

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* 2013-14 Public comparative trials in Israel
Vegetables

**Pepper** Capsicum annuum

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**Plant description**
- Vigorous open plant with short nodes
- Compact
- High continuous yield potential
- Good setting in warm climate

**Public trials:**
- **Summer:** Net-houses in May 2013
- **Winter:** Raised net tunnels in August 2013

**Negev F1**

**Summer:** The total yield was 152 tons/ha higher than the control varieties (Romans&Zin). The average fruit weight was 180gr.

**Winter:** The total yield was 96 tons/ha, and the average fruit weight was 213gr. Among the 4 red varieties, the Negev kept an average fruit size of 180gr.

**Atos F1**

**Summer:** The total yield was 161 tons/ha higher than the control varieties (Romans&Zin). The average fruit weight was 170gr.

**Winter:** The total yield was 129 tons/ha. The average fruit weight was 194gr.

**Dan F1**

**Summer:** The total yield was above 120 tons/ha. The average fruit weight was 160gr.

**Winter:** The total yield was 88 tons/ha, and the average fruit weight was 200gr.

**Aramis F1**

**Winter:** The total yield was 83 tons/ha, and the average fruit weight was 180gr.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Av. Fruit weight*</th>
<th>Av. Total weight*</th>
<th>Growth Character</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/ Ha</th>
<th>PMMV</th>
<th>TSWV</th>
<th>PMT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Negev F1</td>
<td>Blocky</td>
<td>Green-Red</td>
<td>180</td>
<td>213</td>
<td>Compact</td>
<td>70-80</td>
<td>Sweet</td>
<td>125</td>
<td>35,000</td>
<td>L3(R)</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>Atos F1</td>
<td>Blocky</td>
<td>Green-Red</td>
<td>170</td>
<td>155</td>
<td>Compact</td>
<td>70-80</td>
<td>Sweet</td>
<td>160</td>
<td>35,000</td>
<td>L4 (HR)</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>Dan F1</td>
<td>Blocky</td>
<td>Green-Red</td>
<td>160</td>
<td>120</td>
<td>Compact</td>
<td>70-80</td>
<td>Sweet</td>
<td>125</td>
<td>35,000</td>
<td>L3(R)</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>Aramis F1</td>
<td>Blocky</td>
<td>Green-Red</td>
<td>NA</td>
<td>NA</td>
<td>Compact</td>
<td>70-80</td>
<td>Sweet</td>
<td>125</td>
<td>35,000</td>
<td>L4 (HR)</td>
<td>IR</td>
<td>IR</td>
</tr>
</tbody>
</table>

*Av. Fruit weight* and *Av. Total weight* are in Gr/fruit and Ton/ha respectively.

**Resistances:** PMMV - Tobamovirus (Pepper Mild Mottle Virus) • TSWV - Tomato Spotted Wilt Virus • PMT - Powdery Mildew Tolerance • N - Nematode • IR - Intermediate Resistance • HR - High Resistance

* 2013-14 Public comparative trials in Israel

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Pepper **Capsicum annuum**

**Blocky**

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<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit Weight (gr.)</th>
<th>Growth Character</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yarden</td>
<td>Blocky</td>
<td>Green-Red</td>
<td>170</td>
<td>Compact</td>
<td>60-75</td>
<td>Sweet</td>
<td>130</td>
<td>8</td>
<td>30,000</td>
</tr>
<tr>
<td>Gilboa</td>
<td>Blocky</td>
<td>Green-Orange</td>
<td>170</td>
<td>Compact</td>
<td>60-75</td>
<td>Sweet</td>
<td>150</td>
<td>7</td>
<td>30,000</td>
</tr>
</tbody>
</table>

**Yarden**

Open pollinated blocky type. Recommended for open field production. Strong, early high yielding variety with good leaf coverage. The fruits are medium size (170gr) with thick walls. Turns from green to red at maturity but is commonly used for green picking.

**Gilboa**

Open pollinated blocky type, recommended for open field production. Strong, early, high yielding variety with good leaf coverage. The fruits are medium size (170gr) with thick walls. Turns from green to orange at maturity.

Resistances: **PMMV** - Tobamovirus (Pepper Mild Mottle Virus) • **TSWV** - Tomato Spotted Wilt Virus • **PMT** - Powdery Mildew Tolerance • **N** - Nematode • **IR** - Intermediate Resistance • **HR** - High Resistance

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Pepper *Capsicum annuum*

PapriK

An open field summer crop production. Red color turns into dark red when dry. ASTA rate (American, Spices, Trade Ass.) of above 120. The plants are compact, also suitable for machine harvesting. The pods are mostly straight with a very small seed cavity that makes it easier to dry and less damage from rain drops on the fruits. Our intensive breeding program is mainly targeting for early and higher yield, resistances, plant & fruit structure and higher ASTA rates.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit Size (cm.)</th>
<th>Plant Size (cm.)</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Scoville units heat index</th>
</tr>
</thead>
<tbody>
<tr>
<td>PapriK</td>
<td>Paprika</td>
<td>Green-Red</td>
<td>12x3</td>
<td>50x40</td>
<td>90</td>
<td>Sweet</td>
<td>126</td>
<td>8</td>
<td>30-35,000</td>
<td>0</td>
</tr>
</tbody>
</table>

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- Genesis Seeds Proprietary | HUJI Proprietary | ARO Proprietary | Heirloom
Salsa

A mid-early variety of sweet Kapia for open field and greenhouse production. The plant is very strong and productive, with good flower setting in warm climates. The fruits are relatively short and wide with thick juicy walls.

Suitable for: Sauce, roasted, grilled and fresh market consumption.

Dulce

A mid-early variety of sweet Kapia for open field and greenhouse production. Good red color and very good yield potential compared with the same segment peppers. Suitable for: Sauce, roasted, grilled and fresh market consumption.

Shishito

A mid–early. Very productive plant. Has a wrinkled shape with thin walls that turns from light green to red. It is usually harvested while green mainly for roasted and grilled consumption. About 5% of the peppers are pungent.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit size (cm.)</th>
<th>Plant Size</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Scoville units heat index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salsa</td>
<td>Kapia</td>
<td>Green-Red</td>
<td>6x3</td>
<td>60x50</td>
<td>75</td>
<td>Sweet</td>
<td>165</td>
<td>6</td>
<td>30-35,000</td>
<td>0</td>
</tr>
<tr>
<td>Dulce</td>
<td>Kapia</td>
<td>Green-Red</td>
<td>20x5</td>
<td>60x50</td>
<td>75</td>
<td>Sweet</td>
<td>170</td>
<td>6</td>
<td>30-35,000</td>
<td>0</td>
</tr>
<tr>
<td>Shishito</td>
<td>Shishito</td>
<td>Green-Red</td>
<td>9x2</td>
<td>60X40</td>
<td>90</td>
<td>Sweet/Mild</td>
<td>130</td>
<td>8</td>
<td>30-35,000</td>
<td>About 5% pungent</td>
</tr>
</tbody>
</table>

Resistances: PMMV - Tobamovirus (Pepper Mild Mottle Virus) • TSWV - Tomato Spotted Wilt Virus • PMT - Powdery Mildew Tolerance • N - Nematode • IR - Intermediate Resistance • HR - High Resistance

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- Genesis Seeds Proprietary | - HUJI Proprietary | - ARO Proprietary | - Heirloom
Pepper  *Capsicum annuum*  

**Hot**

---

**Padron**

A well known Spanish Heirloom. Large upright plant, Very productive over extended harvest period. About 60 days from planting to green fruit. 75 days to red ripe.

Compact cone shape fruit with thick wall. Green color turns to red. Harvested green when fruit is 3-5cm. Very tasty and mild in harvest size. When larger it turns hot, rated between 3000 and 5000 Scoville units on the heat index. Used mainly for tapas, sautéed in olive oil roasted or grilled.

**Fresno**

Red Fresno peppers looks quite similar to Jalapeños. However the fruits are less meaty and have thinner skin.

Large upright plant. Early and very productive over an extended harvest period. About 60 days from planting to green harvest fruit and 75 days to red ripe. Fresno was introduced in 1952 and was immediately recognized as a heavy producer of top-quality fruit. Also known as Chile Caribe or Chile Cera. Ideal for eating fresh, stuffing, canning, pickling, frying, sautéing, and more. Rated between 2,500 and 4,000 Scoville units on the heat index.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit Size (cm.)</th>
<th>Plant Size (cm.)</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Scoville units heat index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Padron</td>
<td>Padron</td>
<td>Green-Red</td>
<td>8x3</td>
<td>89x50</td>
<td>75</td>
<td>Mild</td>
<td>165</td>
<td>30-35,000</td>
<td>3,000-5,000</td>
<td></td>
</tr>
<tr>
<td>Fresno</td>
<td>Fresno</td>
<td>Green-Red</td>
<td>5x2</td>
<td>70-90</td>
<td>90</td>
<td>Medium</td>
<td>190</td>
<td>30-35,000</td>
<td>2,500-4,000</td>
<td></td>
</tr>
</tbody>
</table>

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Pepper Capsicum chinense

**HABANERO**

One of our special cultivars. Always the best performance among many trials. Beautiful shiny orange color fruit with a blocky wrinkled shape. It is considered one of the hottest known cultivated peppers. One of our top products that is commonly used fresh or dry to service the fresh market or industrial hot sauces needs. The plant is very hardy, vigorous and develops lots of vegetation. A continuous uniform production after 80-100 days. Acts as an annual in moderate climates and as a perennial flowering habit in warm climates.

**Magnum</sup>®**

Beautiful shiny red color fruit with a wrinkled pendant shape. It is considered one of the hottest known cultivated peppers. Commonly used fresh or dry to service the fresh market or industrial hot sauces needs. The plant is very hardy, vigorous and develops lots of vegetation. A continuous uniform production after 80-100 days. Acts as an annual in moderate climates and has a perennial flowering habit in warm climates. Our current breeding program aims to have an earlier variety with major resistances as needed.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit size (cm.)</th>
<th>Plant Size (cm.)</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Scoville units heat index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Magnum</td>
<td>Habanero</td>
<td>Green-Orange</td>
<td>6x3</td>
<td>80x50</td>
<td>90</td>
<td>Very Hot</td>
<td>237</td>
<td>4</td>
<td>30-35,000</td>
<td>150-325,000</td>
</tr>
<tr>
<td>Maya</td>
<td>Lantern</td>
<td>Green-Red</td>
<td>6x3</td>
<td>80x50</td>
<td>90</td>
<td>Very Hot</td>
<td>270</td>
<td>4</td>
<td>30-35,000</td>
<td>200-300,000</td>
</tr>
</tbody>
</table>

* Pure capsaicin 15-16,000,000 Scoville Heat Units

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Pepper * Capsicum annuum * 

**Raam**

(Jalapeno) Raam is one more of our special mild pepper cultivars currently included in our breeding program. Customers were extremely impressed and report that Raam preforms as an early and productive variety compared to other cultivars. Fruit shape is uniform, short cylindrical cone shape with thick walls. It changes color from dark green to red. Commonly used green for the fresh market and industry for salsas, stuffed or pickled. The plant is compact and starts to flower and produce fruits very early. Very heavy yielding over long season.

“Raam Pepper: Still in the field but EXTREMELY impressed how early and productive this pepper is! So far it has outperformed all the other pepper varieties”

**Buda**

(Hungarian Hot Wax) Widely adapted and productive even in cool microclimate or short season areas. It changes colors from light green through yellow, orange to red. Curved cone shape shiny long fruit with thick walls. Mild. Commonly used green in fresh salads, roasted or pickled. The plant is compact and extremely productive. Provides a continuous yield throughout the season.

**Solero**

(Cayenne) Strong bushy productive plant for open field. The long and thin shape fruit, turns from green to red and is very hot. Is commonly used fresh for salads and salsas or dry for hot pepper flakes.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit size (cm.)</th>
<th>Plant Size (cm.)</th>
<th>Day to Maturity</th>
<th>Taste</th>
<th>Ave. Sd/gr</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
<th>Scoville units heat index</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raam</td>
<td>Early Jalapeno</td>
<td>Green-Red</td>
<td>6x3</td>
<td>50x50</td>
<td>70</td>
<td>Medium</td>
<td>185</td>
<td>6</td>
<td>30-35,000</td>
<td>2,500-8,000</td>
</tr>
<tr>
<td>Buda</td>
<td>Hungarian hot Wax</td>
<td>Yellow-Orange-Red</td>
<td>15x3</td>
<td>50x50</td>
<td>80</td>
<td>Mild</td>
<td>170</td>
<td>6</td>
<td>30-35,000</td>
<td>5,000-10,000</td>
</tr>
<tr>
<td>Solero</td>
<td>Cayenne</td>
<td>Green-Red</td>
<td>20x1</td>
<td>50x60</td>
<td>80</td>
<td>Very Hot</td>
<td>241</td>
<td>5</td>
<td>30-35,000</td>
<td>70-85,000</td>
</tr>
</tbody>
</table>

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* Pure capsaicin 15-16,000,000 Scoville Heat Units
## Eggplant (Solanum melongena)

### HYBRIDS

**Michal F1**

**Plant description:** Hardy with strong & vigorous vegetation. Early and very productive. Adapted for year-round production (greenhouse or open field). The total yield is above 200 tons/ha.

**Fruit description:** Dark black skin. Uniform fruit shape. Parthenocarpic fruit set, with few seeds. Firm with good shelf-life. Very tasty. The fruit weight is 500 gram with the dimension of 19.8cm long and about 9cm wide.

**Piccolo F1**

**Plant description:** Vigorous growth habit. High continuous production. Partenocarpic fruit set. Adapted for year round production. Open field or greenhouse production.


<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit Size (cm.)</th>
<th>Plant Height (cm.)</th>
<th>Days from planting to harvest</th>
<th>Greenhouse/Open Field</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Michal F1</td>
<td>Partenocarpic</td>
<td>Black</td>
<td>20x10</td>
<td>60-200</td>
<td>60-70</td>
<td>Both</td>
<td>220</td>
<td>5</td>
<td>12000</td>
</tr>
<tr>
<td>Piccolo F1</td>
<td>Pickling</td>
<td>Variegated</td>
<td>8x10</td>
<td>60-200</td>
<td>60-70</td>
<td>Both</td>
<td>230</td>
<td>4.5</td>
<td>12000</td>
</tr>
</tbody>
</table>

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Vegetables

Eggplant  Solanum melongena
OPEN POLLINATED

Bianca


Rosa Bianca

Plant description: High yield in temperate zones.


Black Beauty

Plant description: High continuous production. Easy to pick. Adapted for year-round production.

Fruit description: Glossy purple/black color, lobed shape. Tasty rich flavor. Popular for cooking, fried or stuffed.

Little Finger

Plant description: Very high yielding. Grow in cluster of 3-6 fruits. Easy to pick. Open field or Greenhouse. Adapted to production year-round.

Fruit description: Glossy cylindrical shape. Black-Purple skin with green calyx. Slender. Harvest when fruit is young. Tasty, mildly sweet flavor. Pickled or cooked.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Color</th>
<th>Ave. Fruit Size (cm)</th>
<th>Plant Height (cm)</th>
<th>Days from planting to harvest</th>
<th>Greenhouse/ Open Field</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>Plants/Ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bianca Italian</td>
<td>Italian</td>
<td>White</td>
<td>18x6</td>
<td>50-60</td>
<td>60-70</td>
<td>Open Field</td>
<td>250</td>
<td>4</td>
<td>24000</td>
</tr>
<tr>
<td>Rosa Bianca Italian Variegated</td>
<td>Italian</td>
<td>Variegated</td>
<td>10x6</td>
<td>50-60</td>
<td>75-80</td>
<td>Open Field</td>
<td>300</td>
<td>3.5</td>
<td>12000</td>
</tr>
<tr>
<td>Black Beauty Asian Black</td>
<td>Asian</td>
<td>Black</td>
<td>15x12</td>
<td>60-80</td>
<td>75-80</td>
<td>Open Field</td>
<td>240</td>
<td>4</td>
<td>12000</td>
</tr>
<tr>
<td>Little Finger Pickling Purple</td>
<td>Pickling</td>
<td>Purple</td>
<td>20x5</td>
<td>50-80</td>
<td>60-65</td>
<td>Both</td>
<td>300</td>
<td>3.5</td>
<td>12000</td>
</tr>
</tbody>
</table>

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## Cucumber

**Cucumis sativa**

**BEIT-ALPHA; PARTHENOCARPIC**

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<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Greenhouse/Open Field</th>
<th>Growing season</th>
<th>Plants/Ha</th>
<th>Ave. Fruit Size (cm.)</th>
<th>Fruits per node</th>
<th>Days from planting to harvest</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>CVYV</th>
<th>PM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manny F1</td>
<td>Beit-Alpha</td>
<td>Greenhouse</td>
<td>Spring &amp; Fall</td>
<td>24,000</td>
<td>19x3</td>
<td>1-2</td>
<td>45-50</td>
<td>40</td>
<td>25</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>Eve F1</td>
<td>Beit-Alpha</td>
<td>Greenhouse</td>
<td>Spring &amp; Fall</td>
<td>24,000</td>
<td>17x3</td>
<td>1-2</td>
<td>45-50</td>
<td>34</td>
<td>30.</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>Adam F1</td>
<td>Beit-Alpha</td>
<td>Greenhouse</td>
<td>Spring &amp; Fall</td>
<td>24,000</td>
<td>17x3</td>
<td>1-2</td>
<td>45-50</td>
<td>37</td>
<td>28</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>501 F1 New</td>
<td>Beit-Alpha</td>
<td>Greenhouse</td>
<td>Fall &amp; Winter</td>
<td>24,000</td>
<td>17x3</td>
<td>1-2</td>
<td>45-50</td>
<td>37</td>
<td>28</td>
<td>IR</td>
<td>IR</td>
</tr>
<tr>
<td>101 F1 New</td>
<td>Beit-Alpha</td>
<td>Greenhouse</td>
<td>Fall &amp; Winter</td>
<td>24,000</td>
<td>17x3</td>
<td>1-2</td>
<td>45-50</td>
<td>42</td>
<td>24</td>
<td>IR</td>
<td>IR</td>
</tr>
</tbody>
</table>

**Resistances:**
- **CMV** - Cucumber Mosaic Virus
- **CVYV** - Cucumber Vein Yellowing Virus
- **DM** - Downy Mildew
- **PM** - Powdery Mildew
- **IR** - Intermediate Resistance
- **HR** - High Resistance

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- ARO Proprietary
- Heirloom
Cucumber  *Cucumis sativa*

**SLICER**

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<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Greenhouse/Open Field</th>
<th>Growing season</th>
<th>Plants/Ha</th>
<th>Ave. Fruit Size (cm.)</th>
<th>Fruits per node</th>
<th>Days from planting to harvest</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>CMV</th>
<th>PM</th>
<th>DM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green 18 F-1</td>
<td>Am. Slicer</td>
<td>Open Field</td>
<td>Spring &amp; Fall</td>
<td>24,000</td>
<td>24x4</td>
<td>1</td>
<td>55-60</td>
<td>36</td>
<td>28</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
</tr>
</tbody>
</table>

* Needs Pollinator

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**Melon** Cucumis melo

**Suzan® F1®**

**Fruit Description:** Very sweet taste with pleasant aroma. Round uniform shape. Small seed cavity. Light green flesh color. Very good netting. Long shelf-life.

**Cycle**
- Bush growth undercover and open field:
  - Israel – Arava: Autumn
  - Spain – Almeria: Late Season
  - Murcia: Early Season
- Central America: Year-round planting

**Fruit Description:**
- Very sweet taste with pleasant aroma.
- Round uniform shape.
- Small seed cavity.
- Light green flesh color.
- Very good netting.
- Long shelf-life.

**Resistances:**
- MNSV - Melon Necrotic Spotted Virus
- PMT - Powdery Mildew Tolerance
- Fom - Fusarium oxysporum f.sp melonis
- IR - Intermediate Resistance
- HR - High Resistance

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Tunnels, Open Field</th>
<th>Skin Color when ripe</th>
<th>Ave. Fruit Weight (Kg.)</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>FOM</th>
<th>MNSV</th>
<th>LSL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suzan® F1</td>
<td>Galia</td>
<td>Both</td>
<td>Yellow</td>
<td>1.5</td>
<td>75</td>
<td>20-30,000</td>
<td>43</td>
<td>24</td>
<td>IR</td>
<td>0,1,2 HR</td>
<td>R</td>
<td>Yes</td>
</tr>
</tbody>
</table>

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**Melon**  *Cucumis melo*

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Tunnels, Open Field</th>
<th>Skin Color when ripe</th>
<th>Ave. Fruit Weight (Kg.)</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>FOM</th>
<th>MNSV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dona F1</td>
<td>Galia</td>
<td>Both</td>
<td>Yellow</td>
<td>2.5</td>
<td>70</td>
<td>20-30,000</td>
<td>40</td>
<td>25</td>
<td>IR</td>
<td>0,1,2 HR</td>
<td>R</td>
</tr>
<tr>
<td>Rona F1</td>
<td>Galia</td>
<td>Both</td>
<td>Yellow</td>
<td>2.5</td>
<td>70</td>
<td>20-30,000</td>
<td>40</td>
<td>25</td>
<td>IR</td>
<td>0,1,2 HR</td>
<td>R</td>
</tr>
<tr>
<td>Arava F1</td>
<td>Galia</td>
<td>Both</td>
<td>Yellow</td>
<td>2.0</td>
<td>70</td>
<td>20-30,000</td>
<td>30</td>
<td>34</td>
<td>IR</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

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**Melon**  
*Cucumis melo*  
*CANTALOUGE/CHARENTE*

**Sivan F1**

**Fruit Description:** Good fruit setting, round uniform shape. Strongly netted ribbed skin. Small seed cavity. Fragrant & Sweet Orange Flesh.

**Plant Description:** Hardy & Vigorous. Good Leaf Cover.


<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Tunnels, Open Field</th>
<th>Skin Color when ripe</th>
<th>Ave. Fruit Weight (Kg.)</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>FOM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sivan F1</td>
<td>Cantaloupe/Charente</td>
<td>Both</td>
<td>Yellow</td>
<td>1.2</td>
<td>75</td>
<td>15000</td>
<td>27</td>
<td>37</td>
<td>IR</td>
<td>IR</td>
</tr>
</tbody>
</table>

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**Watermelon**  *Citrullus lanatus*

**Tiger Stripe**

---

**Diploid F1**

**Fruit description:** With seeds. Oval shape. Tiger-stripe rind pattern with green background. Red flesh. Average weight: 3-5Kg.

---

**Triploid F1**

**Fruit description:** Seedless. Round-to-oval shape. Tiger-stripe rind pattern with medium green background. Red flesh. Average weight: 3-5Kg.

---

**Watermelon breeding**

The organic breeding in watermelon program consists mainly of:

- Mid-size fruit 3-5Kg.
- Red flesh and green rind with dark green stripes (Tiger stripe & Crimson)
- Experimental varieties, seedless (Triploid) and with seeds (Diploid), being tested in Murcia and Almeria (Spain).
- New varieties for semi-commercial plots will be available in the year 2015.

**Plant Description:**

- Open field growth and under cover
- Suitable for early spring-summer production

---

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Squash  Cucurbita pepo

**HYBRIDS**

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Skin Color</th>
<th>Market Type</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>WMV</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anton F1</td>
<td>Zucchini</td>
<td>Dark Green</td>
<td>(10)</td>
<td>47</td>
<td>10-15000</td>
<td>9</td>
<td>110</td>
<td>HR</td>
<td></td>
<td>HR Elegant</td>
</tr>
<tr>
<td>Dario F1</td>
<td>Cucozella</td>
<td>Stripted</td>
<td></td>
<td>55</td>
<td>10-15000</td>
<td>7</td>
<td>145</td>
<td>HR</td>
<td></td>
<td>HR IR Stripted Green light green</td>
</tr>
</tbody>
</table>

**Anton F1**


**Dario F1**


Resistances: PMT - Powdery Mildew Tolerance • WMV - Watermelon Mosaic Virus • ZYMV - Zucchini Yellow Mosaic Virus • IR - Intermediate Resistance • HR - High Resistance

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### Squash Cucurbita pepo

#### HYBRIDS

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Skin Color</th>
<th>Market Type</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>WMV</th>
<th>ZYMV</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Segev F1</td>
<td>Marrow</td>
<td>Light Green (3)</td>
<td>47</td>
<td>10-15000</td>
<td>10</td>
<td>100</td>
<td>HR</td>
<td>HR</td>
<td>Partenocarpic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rotem F1</td>
<td>Marrow</td>
<td>Light Green (2)</td>
<td>47</td>
<td>10-15000</td>
<td>9</td>
<td>110</td>
<td>IR</td>
<td>HR</td>
<td>Elegant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1715 F1 (New)</td>
<td>Marrow</td>
<td>Light Green (3)</td>
<td>47</td>
<td>10-15000</td>
<td>7</td>
<td>140</td>
<td>HR</td>
<td>IR</td>
<td>Labanese Shape</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1673 F1 (New)</td>
<td>Cocozella</td>
<td>Light Green (3)</td>
<td>55</td>
<td>10-15000</td>
<td>7</td>
<td>140</td>
<td>HR</td>
<td>HR</td>
<td>Large Flowers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1709 F1 (New)</td>
<td>Cocozella</td>
<td>Light Green (2)</td>
<td>55</td>
<td>10-15000</td>
<td>7</td>
<td>140</td>
<td>HR</td>
<td>HR</td>
<td>Elegant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1712 F1 (New)</td>
<td>Cocozella</td>
<td>Light Green (2)</td>
<td>55</td>
<td>10-15000</td>
<td>6</td>
<td>170</td>
<td>HR</td>
<td>HR</td>
<td>Elegant</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Segev F1**


**Rotem F1**

Light green marrow, short selinderical fruit, easy pick, productive compact plant.

**1715 F1**

**NEW!** Marrow, Light green marrow, Lebanese shape.

**1673 F1**

**NEW!** Cocozelle, Bulbous cylindrical, medium light green, productive open plant, large firm flowers.

**1709 F1**

**NEW!** Cocozelle, vigorous leaf, light green cylindrical fruit with resistance package.

**1712 F1**

**NEW!** Cocozelle, Light green, ribbed cylindrical fruit.

---

Resistances: PMT - Powdery Mildew Tolerance • WMV - Watermelon Mosaic Virus • ZYMV - Zucchini Yellow Mosaic Virus • IR - Intermediate Resistance • HR - High Resistance

© - Genesis Seeds Proprietary | - HUJI Proprietary | ☑ - ARO Proprietary | ☮ - Heirloom
**Goldy F1**


"EXCELLENT - Good controlled habit for containers, many uniform shiny cylindrical fruit, nice"

### 1717 F1

**NEW!** Spotted green at the fruit stalk and pedicel scar.

### 1739 F1

**NEW!** Brighter yellow, more elongated, holding its shape, more compact plant, spotted green at the fruit stalk.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Skin Color</th>
<th>Market Type</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>WMV</th>
<th>ZYMV</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Goldy F1</td>
<td>Zucchini</td>
<td>Yellow</td>
<td></td>
<td>55</td>
<td>10-15000</td>
<td>10</td>
<td>100</td>
<td>IR</td>
<td></td>
<td></td>
<td>Elegant</td>
</tr>
<tr>
<td>1717 F1 (New)</td>
<td>Zucchini</td>
<td>Yellow</td>
<td></td>
<td>55</td>
<td>10-15000</td>
<td>6</td>
<td>170</td>
<td>IR</td>
<td></td>
<td></td>
<td>Bit Tapered</td>
</tr>
<tr>
<td>1739 F1 (New)</td>
<td>Zucchini</td>
<td>Yellow</td>
<td></td>
<td>55</td>
<td>10-15000</td>
<td>6</td>
<td>170</td>
<td>HR</td>
<td>HR</td>
<td>HR</td>
<td>Elegant</td>
</tr>
</tbody>
</table>

**Resistances:** PMT - Powdery Mildew Tolerance  •  WMV - Watermelon Mosaic Virus  •  ZYMV - Zucchini Yellow Mosaic Virus  
IR - Intermediate Resistance  •  HR - High Resistance

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- Genesis Seeds Proprietary  | HUJI Proprietary  | ARO Proprietary  | Heirloom
**Squash**  
*Cucurbita pepo*

### HYBRIDS

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Skin Color</th>
<th>Market Type</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y Star F1</td>
<td>Scallop</td>
<td>Yellow</td>
<td>50</td>
<td>10-15000</td>
<td>10</td>
<td>100</td>
<td>HR</td>
<td></td>
<td>Elegant</td>
</tr>
<tr>
<td>G Star F1</td>
<td>Scallop</td>
<td>Intense Green (10)</td>
<td>47</td>
<td>10-15000</td>
<td>10</td>
<td>100</td>
<td>HR</td>
<td></td>
<td>Elegant</td>
</tr>
</tbody>
</table>

**Fruit description:** Flat scalloped; White flesh. Bicolor, shining yellow & green. Very decorative. Relatively long and narrow peduncle for easy picking. Long shelf-life


---

**Resistances:** PMT - Powdery Mildew Tolerance • WMV - Watermelon Mosaic Virus • ZYMV - Zucchini Yellow Mosaic Virus • IR - Intermediate Resistance • HR - High Resistance

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*Squash Anton F1*

*Squash Dario F1*
Squash Cucurbita pepo

HYBRIDS

Table Sugar® F1

**Fruit description:** Small, mini-acorn ribbed squash. Glossy dark green color. Orange-Yellow flesh. Perfect for an individual serving. Extremely sweet with roasted chestnut flavor. 13-20% soluble solids content of the fruit flesh (double the average acorn types). In order to obtain the maximum sugar content, fruits should be allowed to fully ripen on the plant.

**Plant description:** Compact bush with good coverage. Vigor with high uniformity. Productive: 3-4 fruits per plant. Transplants or direct seeding.

Orangeti F1

**Fruit description:** Orange oblong. The fruit can range either from ivory to yellow or orange in color. The orange variety has a higher carotene content. Its flesh is bright yellow or orange.

**Plant description:** Open growth habit. High yield potential. Non-branching.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Skin Color</th>
<th>Market Type</th>
<th>Days from planting to harvest</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>PMT</th>
<th>Specialty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Table Sugar® F1</td>
<td>Acorn</td>
<td>Black-Green</td>
<td>80</td>
<td>10-12000</td>
<td>12</td>
<td>85</td>
<td>HR</td>
<td></td>
<td>Sweet</td>
</tr>
<tr>
<td>Orangeti F1</td>
<td>Marrow</td>
<td>Orange Spaghetti</td>
<td>70</td>
<td>10-12000</td>
<td>8</td>
<td>125</td>
<td>Unique</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Resistances: PMT - Powdery Mildew Tolerance • WMV - Watermelon Mosaic Virus • ZYMV - Zucchini Yellow Mosaic Virus • IR - Intermediate Resistance • HR - High Resistance

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Lettuce *Lactuca sativa*

**Romaine/Cos**

---

**Super Jericho**

**Head description:** Excellent eating quality. Sweet and crisp. Light green color. High uniformity.

**Plant description:** Adapted to indoor & outdoor production.

> "EXCELLENT - Smooth green foliage, sturdy compact heads, crisp and sweet Romaine taste”

> “Rated in the US as the best tasting lettuce!”

---

**Dov**

**Head description:** Excellent eating quality. Extra sweet and crisp. Dark green color. High uniformity

**Plant description:** Adapted to indoor & outdoor production.

> "Dov is the first 'extra sweet' heat-tolerant romaine that is also dark green and tip-burn tolerant.”

---

**Dwarf Romaine**

**Head description:** Dark green color. Tender and crispy texture.

**Plant description:** Adapted to indoor & outdoor production. Mainly for the cool season production.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Head size (cm.)</th>
<th>Head weight (gr.)</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. So/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>LMV</th>
<th>PMT</th>
<th>TB</th>
<th>H</th>
<th>BO</th>
<th>DM*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dov Romaine</td>
<td>Romaine</td>
<td>30x15</td>
<td>1000-1500</td>
<td>50-55</td>
<td>70,000-90,000</td>
<td>1392</td>
<td>0.8</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
<tr>
<td>Super Jericho</td>
<td>Romaine</td>
<td>30x15</td>
<td>1000-1500</td>
<td>50-55</td>
<td>70,000-90,000</td>
<td>1445</td>
<td>0.7</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
<tr>
<td>Dwarf Romaine</td>
<td>Romaine</td>
<td>15x10</td>
<td>400-600</td>
<td>65</td>
<td>140,000-180,000</td>
<td>1307</td>
<td>0.8</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
</tbody>
</table>

---

**Resistances:**
- **LMV** - Lettuce Mosaic Virus
- **H** - Heat Stress
- **TB** - Tip Burn
- **BO** - Bolting Tolerance
- **PMT** - Powdery Mildew Tolerance
- **DM** - Downy Mildew Tolerance
- **IR** - Intermediate Resistance
- **HR** - High Resistance

---

*Currently the Downy Mildew infection does not appear in Israel*

---

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- Genesis Seeds Proprietary
- HUJI Proprietary
- ARO Proprietary
- Heirloom
**Vegetables**

**Lettuce** *Lactuca sativa*

**Lola Rosa/Salad Bowl**

**Gilaad Red**


*Plant description:* Adapted to indoor & outdoor production.

**Red Coral**


**MT**

*Head description:* Double Curled Leaf. Dark red. Bigger head.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Head size (cm.)</th>
<th>Head weight (gr.)</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>LMV</th>
<th>PMT</th>
<th>TB</th>
<th>H</th>
<th>BO</th>
<th>DM*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gilaad Red</td>
<td>Lola Rosa</td>
<td>20x10</td>
<td>300-400</td>
<td>50-55</td>
<td>70,000-90,000</td>
<td>1478</td>
<td>0.7</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
<tr>
<td>Red Coral</td>
<td>Salad Bowl</td>
<td>20x10</td>
<td>300-400</td>
<td>50-55</td>
<td>70,000-90,000</td>
<td>1356</td>
<td>0.8</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
<tr>
<td>MT</td>
<td>Lola Rosa</td>
<td>20x10</td>
<td>300-400</td>
<td>50-55</td>
<td>70,000-90,000</td>
<td>1489</td>
<td>0.7</td>
<td>Tested</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
</tbody>
</table>

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---

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**Lettuce** *Lactuca sativa*

**ICEBERG**

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---

**Superior**

**Head description:** Compact with good core density. Pre-packer type. Light green, Wrapped with curled leaves. Crunch and crisp. Year round production. Does well in cool temperatures. Indoor and open field production.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Head size (cm.)</th>
<th>Head weight (gr.)</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
<th>LMV</th>
<th>PMT</th>
<th>TB</th>
<th>H</th>
<th>BO</th>
<th>DM*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Superior</td>
<td>Iceberg</td>
<td>Medium 20-30</td>
<td>800-900</td>
<td>80-90</td>
<td>70,000</td>
<td>1357</td>
<td>0.8</td>
<td>Negative</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>IR</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Currently the Downy Mildew infection does not appear in Israel

**Resistances:**
- LMV: Lettuce Mosaic Virus
- H: Heat Stress
- TB: Tip Burn
- BO: Bolting Tolerance
- PMT: Powdery Mildew Tolerance
- DM: Downy Mildew Tolerance
- IR: Intermediate Resistance
- HR: High Resistance

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Artichoke  Cynara scolymus

**IMPERIAL STAR, LONG**

**Wonder® F1**

A new selection. Good, early yield. “Wonder” has excellent quality for both the fresh markets and for industrial use.


**Tavor**


EXCELLENT – Fruits in first year, multiple buds, open habit, almost spineless, unique structure

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Bud dia. (cm.)</th>
<th>Plant size (cm.)</th>
<th>Buds/Plant</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wonder®</td>
<td>Long</td>
<td>12</td>
<td>90-120</td>
<td>10-15</td>
<td>110</td>
<td>12,000-18,000</td>
<td>22</td>
<td>50</td>
</tr>
<tr>
<td>Tavor</td>
<td>Imperial Star</td>
<td>12</td>
<td>90-120</td>
<td>7-8</td>
<td>110</td>
<td>12,000-18,000</td>
<td>22</td>
<td>50</td>
</tr>
</tbody>
</table>

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**Calibrese**

*Flower description:* Dark-green tight heads. Very flavorful.

*Plant description:* Annual, hardy for cool weather. An early maturing variety. Open field. Used for the organic market fresh pick and splendid sprouts.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Flower dia. (cm.)</th>
<th>Plant dia. (cm.)</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
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</thead>
<tbody>
<tr>
<td>Calibrese</td>
<td>Italian</td>
<td>15-20</td>
<td>50-60</td>
<td>60-80</td>
<td>55,000</td>
<td>390</td>
<td>2.6</td>
</tr>
</tbody>
</table>

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Variety Name: Ehud

**Root description:** Medium-large round roots. Off-white color. Smooth texture, ivory dense flesh. Almost no fibers.

**Plant description:** Vigorous organic Celery production. Adapted to early autumn sowing season. Early. Open-field production.

Variety Name: Early Belle

**Leaf description:** Dark green, tasty with mild flavor. Tender, less fibrous.

**Plant description:** Early. Tall vigorous upright plants. Certified organic production. Adapted to early autumn sowing season. Open-field production.

**Resistance:** Early Blight (Cercospora apii) Early Belle and June Belle are two varieties with good early blight resistance.

“EXCELLENT - Full upright open plants, vigorous and healthy, nice accent plant, good flavor”

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Vegetables

Radish  
*Raphanus sativus*  
**CHERRY BELLE**

**Tali-GS**


**Plant description**: Top vegetation is relatively short. Suitable for all growing seasons.

“**EXCELLENT** - Cherry belle type, healthy vigorous growth, deeply lobed leaves add interest”

“*This has to be the best cherry belle type radish I’ve seen. Very little foliage/leaf structure belies the perfect red roots below. 80-90% were perfect red, round, crisp and tender radishes. Tali easily outperforms the current “cherry belle” seed stock I’ve seen. This would be great for markets here. You have a real winner with Tali.*”

<table>
<thead>
<tr>
<th>Variety name</th>
<th>Type</th>
<th>Fruit dia. (cm.)</th>
<th>Days to maturity</th>
<th>Sowing Kg./Ha</th>
<th>Ave. Sd./gr.</th>
<th>M Seed Weight (gr.)</th>
<th>For direct sowing (kg./ha)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tali GS</td>
<td>Cherry Belle</td>
<td>2.5-3</td>
<td>25-30</td>
<td>10</td>
<td>105</td>
<td>10</td>
<td>10-15</td>
</tr>
</tbody>
</table>

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*Genesis Seeds Proprietary |  – HUJI Proprietary |  – ARO Proprietary |  – Heirloom
Endive  Cichorium endivia

**RHODOS; TRESS FINE**

Olesh


<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olesh</td>
<td>Rhodes</td>
<td>45-60</td>
<td>70-90,000</td>
<td>801</td>
<td>1.3</td>
</tr>
</tbody>
</table>

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- Genesis Seeds Proprietary | - HUJI Proprietary | - ARO Proprietary | - Heirloom
**Leek**  
*Allium porrum*

**BULGARIAN, Verna**

---

**Alto**

**Bulb description:** Tall full-size leek. Shape: Round cylindrical thick stalk. High uniformity.

**Plant description:** Hardy & vigorous. Upright dark green leaves. Best grown as a cool season crop. Production: open-field. Annual flowering in temperate climates. Good tolerance to leaf diseases.

---

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Type</th>
<th>Bulb size (cm.)</th>
<th>Days to maturity</th>
<th>Plants/Ha</th>
<th>Ave. Sd/gr.</th>
<th>M Seed Weight (gr.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alto</td>
<td>Bulgarian, Verna</td>
<td>45x60</td>
<td>85-105</td>
<td>110,000-124,000</td>
<td>265</td>
<td>3.8</td>
</tr>
</tbody>
</table>

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Salvia (*Salvia officinalis*)

**Marva**

**Leaf description:**
- Color: Green-grey hairy leaves
- Size: Elongated 5-7cm long; 1.5cm width.
- Very aromatic with lemony slightly bitter fragrance.
- Use as culinary and medicinal herb.

**Plant description:**
- Perennial, bushy, very productive.
- Size: 50x50cm.
- Attractive lavender flowers.
- Spring production. Full light, warm weather plant.
- Ave. 120 Seeds/gr.
- M Seed Weight: 8.5gr.
- 80-90 days from planting to harvest.
- 35-50,000 plants/ha

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Chives *Allium tuberosum*

**Garlic Chives; Chinese Leek**

**Garlic Nira**

**Leaf description**
- Flat dark green leaf (leek shape)
- Leaf dimensions: 20-25 cm. long, 0.5-1 cm. wide
- Very tender feature
- Light delicate garlic flavor & fragrance

**Plant description:**
- Perennial
- Hardy, vigorous and very productive
- A group of bulky plants
- Ave. height: 40 cm.
- Upright growing habit
- Year-round production in temperate zones
- Easy multi-harvest crop
- Slow bolting
- Planting to maturity: 90 Days
- Spacing: 15-20 cm.
- Ave. 220 seeds/gr.
- M Seed Weight: 4.5 gr.
- Germination: Above average
- 120,000 plants/ha

“EXCELLENT - Healthy dark green foliage, nice garlic chive fragrance, pleasing mild flavor”

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- F-1 Variety
- Genesis Seeds Organic Breeding
- Genesis Seeds Proprietary
- HUJI Proprietary
- ARO Proprietary
- Heirloom
Melissa  
*Melissa officinalis*

**LEMON BALM**

**Alis®**

**Leaf description**
- Light-green medium size
- Lemon-mint flavor
- For culinary & medicinal use

**Plant description**
- Hardy perennial with vigorous vegetation
- Spreading bush growing habit
- Size 70-150cm.
- 50-60 days from planting to harvest
- Indoor and open field production
- Ave. 1700 seeds/g.
- M Seed Weight: 0.6gr.

"EXCELLENT - Dense vigorous growth, covered the bed, no whitefly, aromatic, long-lasting, healthy"

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**Tarragon**

*Tagetes lucida*

**Mexican Mint Marigold**

**Tarragon**

**Leaf description**
- Aromatic leaves are substitute of French tarragon
- Soft oval gray-green leaves
- Licorice flavor with hints of anise
- Leaves are linear-to-oblong
- About 7.5 cm long
- Used as culinary and medicinal herb

**Plant description**
- Hardy perennial
- Bushy with upright growing habit.
- Height: 50-60 cm
- Long vegetative growing period
- Blooms late summer with apical clusters of golden flower
- Full light, warm weather plant
- 80-90 days from planting to harvest
- Ave. 1300 seeds/gr.
- M Seed Weight: 0.76 gr.

**Aeolic oil content processed from 100 gr. Fresh leaves (%)**

<table>
<thead>
<tr>
<th>Compound</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methyl chavicol</td>
<td>50.30</td>
</tr>
<tr>
<td>E-Anethole</td>
<td>32.40</td>
</tr>
<tr>
<td>E-α-Ocimene</td>
<td>3.33</td>
</tr>
<tr>
<td>Bicyclogermacrene</td>
<td>2.03</td>
</tr>
<tr>
<td>Germacrene D</td>
<td>1.63</td>
</tr>
<tr>
<td>Methyl eugenol</td>
<td>0.91</td>
</tr>
<tr>
<td>Limonol</td>
<td>0.78</td>
</tr>
<tr>
<td>t-Cadinol</td>
<td>0.36</td>
</tr>
<tr>
<td>α-Cadinol</td>
<td>0.28</td>
</tr>
<tr>
<td>β-Cadinene</td>
<td>0.27</td>
</tr>
<tr>
<td>α-Nerolidol</td>
<td>0.22</td>
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<tr>
<td>E-Nerolidol</td>
<td>0.19</td>
</tr>
<tr>
<td>Viridiflorol</td>
<td>0.12</td>
</tr>
<tr>
<td>δ-Cadinene</td>
<td>0.11</td>
</tr>
<tr>
<td>Y-Cadinene</td>
<td>0.11</td>
</tr>
<tr>
<td>δ-trans Bergamotene</td>
<td>0.09</td>
</tr>
<tr>
<td>Z-β-Farnesene</td>
<td>0.08</td>
</tr>
<tr>
<td>Valencene</td>
<td>0.08</td>
</tr>
<tr>
<td>α-Humulene</td>
<td>0.03</td>
</tr>
<tr>
<td>Z-β-Ocimene</td>
<td>0.03</td>
</tr>
<tr>
<td>allo-Aromadendrene</td>
<td>0.03</td>
</tr>
<tr>
<td>Benzene acetaldehyde</td>
<td>0.03</td>
</tr>
<tr>
<td>Y-Aurone</td>
<td>0.03</td>
</tr>
<tr>
<td>Total</td>
<td>98.79</td>
</tr>
</tbody>
</table>

*Columns highlighted in green represent similar aeolic compounds in French Tarragon*

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- F-1 Variety | Genesis Seeds Organic Breeding | Genesis Seeds Proprietary | HUJI Proprietary | ARO Proprietary | Heirloom
Stevia

Stevia rebaudiana

SWEET LEAVES

Candy®

Plant description:
- Perennial bush, 60-75cm. high, 40-50cm. wide.
- Light green, extremely sweet leaves.
- 60 days to 1st harvest, 60 days between harvests in the summer season.
- Dry leaves weight: 30-40 gr/plant per harvest.
- Ave. 3000 seeds/gr.
- 44,000 plants/ha.

Steviol Glycosides content:
- TSG (total steviol glycosides) 22%
- RA/SS ratio 0.46
- SG level vary along the season, and reach the pick just before flowering.

Uses:
- Natural 0 calories sweetener, fresh, dried or powdered.
- For commercial production and home gardening.

“EXCELLENT - Strong healthy plants, insignificant flowers, very sweet to taste”

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Thyme  
*Thymus vulgaris*

**Classic Culinary Herb**

**Ayelet (clone)***

**Leaf description:**
- Miniature elliptic dark green leaves
- Superb aroma and flavor
- Used as culinary and medicinal herb

**Plant description:**
- Small perennial bushy evergreen
- Very hardy
- Size: 25x25cm.
- Flowers early summer
- Attractive small lilac flowers
- Full light, warm weather plant
- 90-95 days from planting to harvest
- Ave. 4200 seeds/gr.
- Thousand seed weight: 0.25gr.
- Spacing: every 15-20cm.
- 150-200,000 plants/ha

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**Marjoram**  *Origanum majorana*

**Classic Culinary Herb**

**Sweet**

**Leaf description:**
- Tender light green leaves
- Superb sweet aroma and flavor
- Sweeter than Oregano
- Used as culinary and medicinal herb

**Plant description:**
- Perennial bushy evergreen
- Very hardy
- Purple tender stems
- Radial Size: 40x40cm.
- Harvest height: 15-20cm.
- Flowers early summer
- Miniature white edible flowers
- Full light, warm weather plant
- 90-95 days from planting to harvest
- Ave. 5400 seeds/gr.
- M Seed Weight: 0.20gr.
- Spacing: every 20cm.
- 120-150,000 plants/ha

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**Zaatar®**

*Pictures in the catalog illustrate the type of crop and not a particular variety. All information is subject to market demand and local conditions.*

**Leaf description:**
- Soft oval gray-green leaves
- Sharp Oregano aroma and flavor
- Classic Tymol type essential oils:
  - 22.4% Carvacrol & 50.3% Tymol
- Used for centuries in the Mediterranean as culinary and medicinal herb

**Plant description:**
- Perennial bushy evergreen
- Semi-upright growing habit
- Very hardy
- Radial size: 40x40cm.
- Harvest height: 15-20cm.
- Flowers early summer
- Miniature white edible flowers
- Full light, warm weather plant
- 90-95 days from planting to harvest
- Ave. 4600 seeds/gr.
- M Seed Weight: 0.22gr.
- Spacing: every 20cm.
- 120-150,000 plants/ha

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**Oregano** *Origanum syriaca*

**CLASSIC CULINARY HERB**

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**Leaf description:**
- Sharp Oregano aroma and flavor
- Classic Tymol type essential oils:
  - 22.4% Carvacrol & 50.3% Tymol
- Used for centuries in the Mediterranean as culinary and medicinal herb

**Plant description:**
- Perennial bushy evergreen
- Semi-upright growing habit
- Very hardy
- Radial size: 40x40cm.
- Harvest height: 15-20cm.
- Flowers early summer
- Miniature white edible flowers
- Full light, warm weather plant
- 90-95 days from planting to harvest
- Ave. 4600 seeds/gr.
- M Seed Weight: 0.22gr.
- Spacing: every 20cm.
- 120-150,000 plants/ha
Mustard spinach

Brassica rapa / Brassica juncea

**Lahav**

*(Brassica rapa)* Green Mizuna, 40 days, Green leaves. Unique and essential for salad mix ingredients. Multiple cuttings.

**Green Coin**

*(Brassica rapa)* Tatsoi, 45 days, dark Green spoon shaped mild flavor smooth juicy leaves. Multiple cuttings.

**Tokyo Bekana**

*(Brassica rapa)* 45 days, Light Green tender leaves. mini cabbage, Multiple cuttings. Sweet Tender Crispy Bright Light Green Leaves.

“EXCELLENT - Large light green loose heads of ruffled leaves, mild taste, long-lasting, healthy.”

**Chinakol Granat**

*(Brassica juncea)* 50 days, green oval shaped leaves.

**Green Serifon**

*(Brassica juncea)* 50 days, green oval shaped leaves.

**Red Giant**

*(Brassica rapa)* 45 day, Mild, Large purple Leaves, Relatively slow bolt, Multiple cuttings, preforms very well as Biofumigation, Hardy, Flavorful and Productive, Lettuce Leaves.

“EXCELLENT - Great plants, nice open habit, dramatic color, frost tolerant, great accent or stand alone.”

**Segal**

*(Brassica juncea)* Osaka, 40 days, Purple red large leaves, Multiple cuttings, bolts earlier than the red giant.

**Scarlet Frills**

*(Brassica juncea)* 37 days, spicy dark red, ruffled leaves, add color to the salad mix, Multiple cuttings.

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Baby Leaves

Arugula Rocky

(Diplotaxis tenuifolia) Green, smooth lobed-shape. 10-15cm long. Special pungent flavor. Annual. Fast growing. Hardy. Leafy compact rosette type. 20-25cm radius. 50 days full size.

Arugula Cultivated

(Eurica sativa) Nutritious, lobed form, dark green. Tender with rich spicy flavor. Annual, fast growing. Year round production, Multi cut. 21 days baby, 40 days full size. Direct seeding. Greenhouse, tunnels and open field.

Orach Erik

(Atriplex Hortensi) Arrowhead-shaped leaves. Color: Purple-brown. Leaves and young shoots are used in salads. Can be used fresh or cooked. Slightly salty flavor. Annual, hardy & vigorous plant. 60-80cm. high, 50-60 radius. 40-50 days from planting to harvest. Indoor and outdoor production. 200 seed/gr. Direct seeding: 3kg./ha.

Swiss Chard Ruby Red

(Beta vulgaris) Rhubarb type. Dark-green crinkled Leaves. Broad red stems. Tasty mild flavor. Makes a nice addition to salad blends. Annual, hardy & vigorous plant. 30-40cm. 50-60 days from planting to harvest. Direct sowing, outdoor production. 75 seeds/gr. M Seed Weight: 14gr.

Swiss Chard Whity

(Beta vulgaris) Dark-green thick leaves. Broad white stems. Very tasty. Makes a nice addition to salad blends. Annual, hardy & vigorous plant. 30-40cm. 50-60 days from planting to harvest. Direct sowing for outdoor production. 75 seed/gr. M Seed Weight: 14gr.

Spinach Galilee

(Spinacia oleracea) Wild Galilee type with triangular leaf on curly stems. Smooth feature, light-green foliage & delicate taste. Nutritional with high amounts of anti-oxidant & vitamins. Used fresh at mature size or for baby-leaf mix. 40-50 days, early maturing. Very productive, can be re-cut 2-3 times. Cool weather crop, some degree of heat tolerance. 50-60 seeds/gr. Direct seeding: 15kg./ha.

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Soil Biofumigation

The term is related to the use of bioactive Brassicaceae to reduce pathogenic soil diseases. Green manure cultivation of specific varieties of Brassicaceae like: Eruca sativa and Mustard Red Giant results a significance reduction of sustainable sclerotium of Rhizoctonia, Verticillium and Fusarium.

Among other soil cultivation methods like solar and fungicide treatment, Biofumigation can be an additional harmless tool to growers (organic and conventional) to reduce some of the major soil pathogens.

Genesis is continuously investigating this field in order to develop an assortment of active green manures from soil cultivation.

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### Basil

*Ocimum basilicum*

#### Basil Aroma 4

Open growth habit, productive with relative good tolerances to hot and low temp. Medium dark green leaf wrinkled spoon type shape.

NEW! From our breeding program. Fast growing variety, Compact bushy habit. Leaves are larger and darker than Aroma 2 and have the typical spoon shape. Grown successfully in hydroponic growing condition.

### Super Sweet Ashalim

Compact low growing habit. Early, slow bolt multi harvest crop. Light green spoon shape with smooth texture. Delicate taste and pleasant aroma.
Basil

Ocimum basilicum

ITALIAN LARGE LEAF

Nufar F1

Fusarium Tolerance. Poplar Very large leaf, mainly used for out-door multi-cut production. Very productive and slow bolting variety with open upright growing habit.

“EXCELLENT - Large wrinkled leaves, nice full open habit, very vigorous, Italian type”

Chen

Open up right growing habit. Very Large leaf type mainly for outdoor multi-cut production. Strong fragrance. For early spring production.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Days from planting to harvest</th>
<th>Plant height (cm.)</th>
<th>Leaf length (cm.)</th>
<th>Main usage (Multi-cut/Pot)</th>
<th>Indoor/Open-field</th>
<th>Fusarium Resistance</th>
<th>Heat</th>
<th>Cold</th>
<th>Ave Seeds/ gr.</th>
<th>M seed weight (gr.)</th>
<th>Plants/ha (x1000)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nufar</td>
<td>45-50</td>
<td>&gt;40</td>
<td>9-10</td>
<td>Multi-cut</td>
<td>Open-field</td>
<td>Yes</td>
<td>Moderate</td>
<td>Mod</td>
<td>700</td>
<td>1.4</td>
<td>160</td>
</tr>
<tr>
<td>Chen</td>
<td>30-35</td>
<td>&gt;40</td>
<td>9-10</td>
<td>Multi-cut</td>
<td>Open-field</td>
<td>No</td>
<td>Moderate</td>
<td>Mod</td>
<td>700</td>
<td>1.4</td>
<td>160</td>
</tr>
</tbody>
</table>

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**Ocimum basilicum**

**Limon**
Sweet lemon basil flavor. Compact low growing habit. Fine light green leaf. Can be used for fresh cut or container production.

**Sweet Thai**
Anise and clove fragrance. Authentic Thai basil, most uniform. Very attractive to use it as spice, herb or ornamental plant.

**Greg**
Unique, Dense dome shape growing habit. Dark green mini leaves, perfect for pot, borders or widow box.

**Cinnamon**
Cinnamon flavor. Compact plant with dark green leaves and purple stem.

**Deep Purple**
New from our breeding program, Dark purple basil, with good vibrant color and uniform stand.

<table>
<thead>
<tr>
<th>Variety Name</th>
<th>Days from planting to harvest</th>
<th>Plant height (cm.)</th>
<th>Leaf length (cm.)</th>
<th>Main usage (Multi-cut/Pot)</th>
<th>Indoor/ Open-field</th>
<th>Fusarium Resistance</th>
<th>Heat</th>
<th>Cold</th>
<th>Ave Seeds/ gr.</th>
<th>M seed weight (gr.)</th>
<th>Seeds/ 12cm pot</th>
<th>Plants/ha (x1000)</th>
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</thead>
<tbody>
<tr>
<td>Lemon</td>
<td>55-60</td>
<td>&lt;30</td>
<td>4-5</td>
<td>Both</td>
<td>Both</td>
<td>No</td>
<td>Moderate</td>
<td>Mod</td>
<td>700</td>
<td>1.4</td>
<td>50-70</td>
<td>160-240</td>
</tr>
<tr>
<td>Cinnamon</td>
<td>55-60</td>
<td>&gt;40</td>
<td>4-5</td>
<td>Both</td>
<td>Both</td>
<td>No</td>
<td>Moderate</td>
<td>Mod</td>
<td>600</td>
<td>1.7</td>
<td>50-70</td>
<td>160-240</td>
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<tr>
<td>Thai</td>
<td>55-60</td>
<td>&lt;30</td>
<td>4-5</td>
<td>Both</td>
<td>Both</td>
<td>No</td>
<td>Good</td>
<td>partial</td>
<td>1000</td>
<td>1</td>
<td>50-70</td>
<td>160-240</td>
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<tr>
<td>Greg</td>
<td>55-60</td>
<td>&lt;30</td>
<td>2-3</td>
<td>Both</td>
<td>Both</td>
<td>No</td>
<td>Moderate</td>
<td>mod</td>
<td>800</td>
<td>1.3</td>
<td>50-70</td>
<td>160-240</td>
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<tr>
<td>Deep Purple</td>
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<td>5-5</td>
<td>Both</td>
<td>Both</td>
<td>No</td>
<td>partial</td>
<td>good</td>
<td>800</td>
<td>1.3</td>
<td>50-70</td>
<td>160-240</td>
</tr>
</tbody>
</table>

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Isabella F1

**NEW!** Pot basil, from our breeding program, compact Genovese type (15cm.), uniform with short internodes. Makes a full pot with the second canopy. Nice leaf color, fragrance size and shape.

Gabriella F1

**NEW!** Pot basil from our breeding program, compact Genovese type (12-15cm.) very uniform. Makes a full pot with the second canopy. Slightly larger leaf than Isabella.

Adi F1

Fusarium Tolerance. Our last year introduction of Genovese type, for potted plants and fresh cut. Compact with small and good shape leaf.

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