VEGETABLE SEEDS
Southeast Asian Catalog
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Alfredo Mesa
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A Spanish company with a Multinational dimension

Semillas Fitó Headquarters - Barcelona (Spain)

Subsidiaries
- Antalya (Turkey)
- Culiacán (Mexico)
- Bangalore (India)
- Padova (Italy)
- Algés (Portugal)
- Lons (France)
- Arica (Chile)
- Casablanca (Morocco)
- São Paulo (Brasil)

Breeding Stations
- Antalya (Turkey)
- Culiacán (Mexico)
- Florida (USA)
- Bangalore (India)
- Almería (Spain)
- Don Benito (Spain)
- Bellpuig (Spain)
- Cabrera de Mar (Spain)
- Murcia (Spain)
- Delley (Switzerland)

Trial Stations
- Agadir (Morocco)
- Jordan Valley (Jordan)
- Arava Valley (Israel)
- Shouguang (China)
- Campinhas (Brasil)
- Mosoro (Brasil)
- Sicilia (Italy)
- Torres Vedras (Portugal)
- Tashkent (Uzbekistan)
**SEMILLAS FITÓ** was founded in 1880 by Ramón Fitó in **San Martí de Provençals**, a town that later became the industrial district of **Barcelona, Spain**.

**WORD OUR HISTORY**

Semillas Fitó’s headquarters is still located on this land. In 1910, the second generation obtained the first hybrids under the direction of Antonio Fitó. In 1940, Casimiro Fitó focused the activity of the company in seed production and the company officially became a Producer of Selected Vegetables Seeds. Around 1970, Semillas Fitó started to focus on research and to bring new varieties into the market. This is when Semillas Fitó brought F1 hybrids of melon, tomato and pepper. In 1997, the expansion to international markets started. At the beginning, this expansion occurred in the Mediterranean area, but after the year 2000, Semillas Fitó opened subsidiaries in Turkey, Mexico, Italy, Brazil, Portugal and the most recent one in 2019 in Morocco. Today, is the fifth generation, with four Fitó family members directing different business areas, the one in charge of growing the business in the same organic way and principals as their great-great grandparents first thought about the company.
Seed for Organic Produce:

Our selection of Fitó Organic Seeds seeks a more sustainable farming and is designed to protect the environment. In addition, this new line of products provides an answer to the increasing consumers demand and their interest for a more environmentally friendly grown produce.

Fitó Organic seeds come from vegetables which have been harvested following strict organic protocols. Our process for obtaining organic seeds follows all requirements from the organic regulations. Therefore, every seed package has a distinct label of Fitó Organic and another from the entity that certifies this process.

In recent years Semillas Fitó has launched Cucumber varieties that have been recognized for their excellent fruit quality: shape, color and post harvest. Today, due to Semillas Fitó’s effort in research, several varieties have been developed and proven their worth to the Almeria growers. These varieties have showed their strengths towards fungus diseases maintaining plant health through long productive cycles. At the same time, fruit quality and productivity are outperforming the best varieties in the market.

HEALTH QUALITY

- High tolerance to disease
- Committed fruit quality
- Healthier plant
- Optimal production
**RUNNER**

New generation of Beef Tomato

- Medium-high vigorous plant, with short internodes. Very good setting in cold conditions and early maturing.
- Big size, with deep red color, no green shoulders, slightly ribbed.

**VITARA**

12 clusters with size

- Intermidium vigor with shorth internodes.
- Slightly flat fruit with uniform big size and color. Great quality.

**MOTRIL**

Heavy weight in short cycle

- Good vigor and very early maturing. Short internodes.
- Impressive first settings with slightly flat fruits. Deep red color and firm. Slightly ribbed shoulders and small blossom end scar.
**CLUSTER**

**POLI KING**  
*Organic*  
F1  
Cluster with size for long cycles
- Vigorous plant with short internodes. Thick and dark green rachis that stays fresh after harvest. Easy to set in cold and hot weather conditions. Easy to graft to any tomato rootstock (specially Silex).
- M to G fruit size, long shelf life and average fruit weight of 120 to 150 gr. Good color, postharvest and taste (Brix degrees are higher than average cluster varieties).  
**HR** ToMV: 0, 1, 2 / TSWV / Fol: 0, 1 / Va / Vd  
**IR** TYLCV / Ma / Mi / Mj

**POLI QUEEN**  
F1  
Intense red and early
- Vigorous and rustic with rapid growth. Sets well with high temperatures and it is very early, therefore adequate nutritional supplements are recommended.
- Medium size fruit, intense and bright red color, consistent. Clusters of 5 to 6 fruits with fleshy rachis that stays green for several days.  
**HR** ToMV / Fol: 0, 1 / Va / Vd  
**IR** TYLCV / Ma / Mi / Mj

**GAMA**  
F1  
Yield, quality and stability in one LSL variety
- Vigorous, compact with short internodes and excellent sanity. Early maturity.  
- Global shaped, smooth, uniform throughout the cycle, deep red color with excellent firmness. Average fruit weight 200-220 gr.  
**HR** ToMV / Fol: 0, 1 / For / Vd  
**IR** TYLCV

**GAMORA**  
F1  
LSL variet with uniform quality through the cycle
- Very vigorous plant. Perfect for long cycles and difficult growing conditions.
- Easy setting and early maturing. Extra firm fruits perfect for export markets. 200 to 250 gr.  
**HR** ToMV / Fol: 0, 1 / For / Vd  
**IR** TYLCV
**POLIMAR (Roma)**  
**F1**

Big roma type with good tolerance to hot conditions

- Vigorous, with short internodes and good cover. Good setting in warm conditions.
- Long, without green shoulders, deep red color, good firmness and good post-harvest.

**HR**  TYLCV / Ma / Mi / Mj  
**IR**  ToMV / Fol. 0, 1 / Va / Vd  
**T**  Bl / Cr

---

**ORIA (Roma)**  
**NEW**  
**F1**

Roma type for single picking

- Vigorous plant, short internodes, balanced foliage and easy setting both under cold and hot conditions. Suitable for long cycles.
- Oblong, pear shape with two loculs. Deep red color and excellent conservation capacity. 120 to 140 gr.

**HR**  ToMV / Fol. 0 / Ve  
**IR**  Mi

---

**FERDINAND (Mini Plum)**  
**NEW**  
**F1**

Taste, color and postharvest

- Very adaptable to different management practices.
- Very flavorful due to its high brix (8-9) and other flavor compounds. Very good red color and good post-harvest.

**HR**  ToMV / Fol. 0  
**IR**  TYLCV / Ma / Mi / Mj

---

**FEDELE (Cherry)**  
**NEW**  
**F1**

More quality to a great postharvest

- Rustic and open, well suited to Autumn-Winter cycles. Balanced vigor, maintains the ability to lengthen the clusters throughout the entire production cycle with excellent production.
- Medium size of bright red color. It has a long postharvest and doesn’t crack. The clusters are long with 12 to 16 fruits with fleshy and very elegant sepals. The rachis stays green for a long time.

**HR**  ToMV / Fol. 0, 1 / Pf. A-E  
**IR**  TYLCV / Ma / Mi / Mj
**PEPPER**

**MAESTRAL F₁**

**Earliness, yield and quality**

- Compact and very early plant with very concentrated yield during the first 2 months of harvest.
- G-GG size, nice shape and post-harvest.

**HR Tm. 0-3 IR TSWV, Po**

**RED BLOCKY**

**RED KING F₁**

**Red blocky for early transplanting**

- Open plant with short internodes. Medium leaf coverage and medium-high vigor.
- Medium-high size. Good and shiny red color. Firm fruit and good post harvest.

**HR Tm. 0-2 / PVY: 0 IR TSWV T Cr / St**

**RED STAR F₁**

**Attractive red blocky tolerant to TSWV**

- Semi-erect and open habit.
- Green fruits turn bright red at maturity, 250 to 280 gr.

**HR Tm. 0-3 IR TSWV**
**DELUX (Yellow Blocky) F1**

Yellow blocky pepper for late sowings

- Vigorous open plant, easy to handle and good setting. Well balanced crop during winter until the end of the crop.
- Special for export thanks to its quality, homogeneous in size, yellow color, consistency and shape.

**YELLOW QUEEN (Yellow Blocky) F1**

Attractive yellow blocky tolerant to TSWV

- Semi-erect and open habit.
- Green fruits turn bright yellow at maturity. 230 to 250 gr.

**NANDA (Open Field Blocky) F1**

Early harvest, high yielding for open field and net house

- Semi-erect and open canopy.
- Firm with good postharvest. Dark green color. 225 to 250 gr. Thick walls.

**CARISMA IMPROVED F1**

Easy fruit setting in cold conditions

- Compact, with excellent fruit coverage and early in production.
- 9 x 9 cm, with high uniformity, thick walls and suitable for green picking.
SEGRE (Lamuyo)  F1

3/4 Lamuyo 4x4

- Vigorous plant that allows this pepper to be grown in hot weather conditions in open field. Excellent fruit cover.
- Semi Lamuyo pepper with four lobes. Great shiny blood red color. Uniform fruits.
- TSWV

ABANTO (Sweet Italian)  F1

Uniform and productive

- Very vigorous plant able to produce in open and greenhouse conditions with cycles all year.
- Conical with smooth walls. 21 to 25 cm. long.
- Tm. 0-2
**SEVEN** (Semi Long Black)  
F1

**Dark color and uniformity all year**

- Vigorous and balanced plant with medium long internodes. Easy to manage canopy and able to be grown all year in open field or protected.
- Uniform black round eggplants. 470 to 490 gr. 17 cm. by 9 cm.

**BLACK PEARL** (Semi Long Black)  
F1

**Excellent quality and great postharvest**

- Well balanced and open. Easy setting and manage well the stresses.
- Excellent quality and uniform semi-long fruits. 420 to 550 gr. 23 cm. by 6 cm. for indoor growing during all seasons.

**BLACK STONE** (Oval Black)  
F1

**Just perfect**

- Vigorous with short internodes. Always green and velvety foliage. Good performance in different weather conditions ensuring excellent production.
- Bright black throughout the cycle. Always round-oval shape. Spineless calix.
**SILIA** (Long Black)  
**F1**

Yield and quality fruits

- Open and vigorous plant with easy regrowth during the entire crop cycle.
- Cylindrical shape and shiny black color skin with spinless green calix.

---

**PURPLE SHEILA** (Striped)  
**F1**

Color and yield along the crop

- Open plant, medium vigor and low labor demand. Easy setting.
- Half-long fruit, very firm, combining deep purple color with marble white. It keeps quality and uniformity along the crop.

---

**PURPLE GULA** (Striped)  
**F1**

Attractive, dazzling, novel

- Medium vigor plant that covers well the fruits. Easy to manage.
- Fruits are elongated that reach between 18 to 20 cm. Color is purple with marble white and always shiny.
**MINI MAGIC** (Multifruited)  
**F1**

**Exceptional fruit quality**

- Medium plant vigor with few side shoots formation, 2 – 4 fruits/node.
- Cylindrical, nicely grooved, medium green color, with very uniform fruits.

**CVV / ZYMV / Px**

**MINI RACER** (Multifruited)  
**F1**

**Productivity and quality hand by hand**

- Well balanced vigorous plant adapted to all cycles.
- Cylindrical nice ribbed fruits, 16 to 18 cm. Fruit length with medium green color.

**Ccu / CMV / CVVV / ZYMV / PRSV / Px**

**MINI ANGEL** (Multifruited)  
**F1**

**Heavy yielder**

- Multifruited.
- Dark green cylindrical long and straight, 120 to 150 gr. 14.7 cm. long by 3.9 cm. wide.

**Px / CVVV / CMV**

**MINI SUMMER**
**MINI SEAL** (Single fruit)  
**F1**  
**Unique autumn**  
- Medium vigor with short side shoots, tolerates warm autumns followed by low temperatures.  
- 17–19 cm., fairly grooved with dark green color, 1–2 fruits/node.  
- **IR** CVYV / Px

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**MINI WONDER** (Single fruit)  
**F1**  
**Solitary fruits & high yield**  
- Easy to manage and easy to harvest. One or two fruits per node.  
- Dark green. 120 to 150 gr. 13 cm. long by 2.9 cm. wide.  
- **IR** Px / CVYV

---

**MINI MARSHAL** (Single fruit)  
**NEW**  
**F1**  
**High cold tolerance for long cycles**  
- Vigorous, with medium side shoots, small leaves.  
- 16–18 cm. with good quality on both main stem and side shoots, 1–2 fruits/node.  
- **IR** Px
ASIAN / COCKTAIL

**GRANADA** (Asian)  
*F1*

**Traditional taste**
- Adaptable plant with vigorous vegetation and high productivity.
- Medium to long fruit size. Skin is green-yellowish color and very nice taste.

**Quality, earliness and yield**

**MINI STRIKER** (Cocktail)  
*NEW*  
*F1*

**Adaptable to multiple growing conditions**
- Strong plant with short internodes. Open canopy and heavy multifruit.
- Medium green fruits of 10 to 12 cm. long. High yield potential with outstanding quality.

**MINI CHAMP** (Cocktail)  
*F1*

**Short cycle specialist**
- Strong with short internodes. Parthenocarpic and multifruited.
- Dark green and straight. 10 to 12 cm. long. High yield potential with excellent quality.

**GLADIATOR** (Asian)  
*F1*

**Quality, earliness and yield**
- Vigorous, open, dark green leaves and flowering 100% ginoic. Variety well adapted to different crop conditions.
- Dark green fruits, with excellent post-harvest conservation. Variety well adapted to hot conditions and high luminosity.
**INDRA NU**  
*F1*

**Heavy yielder & tolerance to virus**

- Good vigor with open plant habit that makes fruit harvest easy.
- Dark green fruits with plenty of small spines. Cylindrical shape.

| HR | Ccu | IR | Px / CVYV |

**EMPIRE**  
*F1*

**Deepest color along the crop**

- Vigorous, with high growth capacity in short days. Healthy leaves with dark green color.
- Dark green fruits even at the bottom. High number of spines and excellent postharvest. Excellent quality along the crop.

| IR | CVVV / CYSDV / Px | HR | Ccu | IR | CMV / Px |

**LEGEND**  
*F1*

**Deepest color along the crop**

- Vigorous, with high growth capacity in short days. Healthy leaves with dark green color.
- Dark green fruits even at the bottom. High number of spines and excellent postharvest. Excellent quality along the crop.
PLUTO (Galia)  

Early to mature and high yield

Vigorous and easy setting. Suitable for greenhouse in early plantations.

Round, turning to deep yellow at maturity.

Fine and dense netting. Average weight of 1.4 to 2 kg. Light green color and very sweet flesh.

Gc / Px: 1, 2, 5  
HR Fom: 0, 1

JUPITER (Galia LSL)  

Traditional galia type with excellent postharvest

Rustic and strong with plenty of flowers and concentrated set.

Round, uniform, well marked netting, small blossom end scar with intense yellow color at maturity. Green flesh, soft and sweet (high brix) and good quality after harvest.

MNSV / Fom: 0, 1, 2  
Gc / Px: 1, 2, 5  
HR

GOLD JACK (Yellow)  

The big golden

Medium vigour, well balanced. For early crop. Excellent shelf life (5 weeks).

Oval-round shape, L/D ratio: 1.2. Average weight: 1.4-1.5 kg. Smooth skin, firm rind.

Yellow-golden color. White flesh, sweet, crunchy and juicy. Small seed cavity.

Fom: 0, 1  
Px: 1, 2  
HR
**VENUS** (Italian)  

**High quality yield in early crop**

- Medium vigour, open and healthy plant all along the crop. Well adapted to greenhouse and tunnel early plantings. Good setting and vegetation.
- Round-oval shape, size from 1.4 up to 1.8 kg. Netting covers all the fruit skin, also ribs. When mature, skin turns to yellow, including the ribs. Optimal taste reaching up to 13-14º Brix. Orange colored flesh, with good firmness and conservation in early crop.

**DINOVO** (Piel de Sapo)  

**The sweetest one**

- Strong plant habit. Very productive, 3-4 fruits per plant. It is suitable to grow in open field conditions.
- Piel de Sapo type melon variety. Average fruit weight is 2.5-3 kg. Eliptic oval fruit shape. Mature fruit skin color is slightly yellowish green. Netted skin. Flesh color is white and very sweet. ºBrix: 17-18. Very long storage life after harvest.

**ZARA** (Charentias LSL)  

**Maximum taste and texture with LSL**

- Medium vigor plant with small leaves. Very healthy plant and rustic.
- Oval shaped fruits with intense netting. Excellent taste and sugar content (15-16º Brix).
SQUASH

BRILLANTE  Organic  F1

Excellent results in open field conditions

- Very vigorous plant with short internodes. Open habit that makes harvesting easier.
- Dark green color and very homogeneous cylindrical shape. Excellent shelf life. Earliness and very high yield potential.

IR WMV / ZYMV / PxA

SUMMER STAR  New  Organic  F1

3 virus & oidium tolerance

- Short internodes and open habit that makes this variety easy to pick.
- Straight and cylindrical shape fruit throughout the entire production. Very bright green color.

IR CMV / ZYMV / WMV / Px

WHITE STAR  F1

All year variety

- Medium plant vigor with good fruit coverage.
- Cylindrical, with medium green color and high uniformity.

IR WMV / ZYMV / PRSV
**WATERMELON**

**RED MAGIC** (Black Diploide)  F1

*Early and suitable for grafting*

- Medium vigor with concentrated harvest and early.
- Round shape fruit, very uniform and very dark color. The flesh is sweet and deep red color.

**RED DRAGON** (Crimson Diploide)  F1

*Sweet & Early*

- Balanced plant with lots of flowers and high yield potential.
- Seeded crimson sweet of 7 to 9 kg. of almost round watermelons.
Vegetable growing has become a highly specialized and intensive activity. As a result of the ever increasing demand for better quality vegetable growers and plant raisers require an improved quality of the basic material.

The demand for specific seed forms and more information about seed quality has strongly increased to better influence emergence and required number of plants.

Seed is a natural product. The often varying environmental conditions thus influence final results. It is therefore often not possible to give detailed information about emergence and other physical seed characteristics. To meet the wishes of clients as much as possible SEMILLAS FITÓ has made up quality standards for the various seed categories.

The germination percentages mentioned are SEMILLAS FITÓ minimum required figures and made up according to ISTA methods and tolerances. In cases where the seed does not apply with these product specifications SEMILLAS FITÓ will inform the client.

**Normal seed**

In general, normal seed has not been subjected to special processes. It is sold by weight and/or by count, depending on the product. Normal seed complies with national standards.

**Precision seed**

Precision seed has been subjected to additional processes. It has a uniform size and high germination. Precision seed is sold by count.

**Precision seed - main features:**

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<tr>
<td>Seedless watermelon</td>
<td>85</td>
<td>98</td>
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**Priming**

Priming is defined as an activation of the germination process with the purpose to obtain faster or more uniform emergence after sowing. Primed seed is sold by count.

**Pelleting**

Pelleting is defined as the process of changing the seed form by covering it with a material, the main purpose being to improve uniformity of size and shape resulting in improved sowing ability. Also additional ingredients may be added. Pelleted seed is sold by count.

**Filmcoating**

Filmcoating is a full covering, usually pigmented layer, around the seed. The original seed form remains intact. Additional ingredients may be added. Filmcoating treatments that contain insecticides are normally identifiable by color coding. Filmcoated seed is sold by count.

**Gluecoating**

Gluecoating is a process which fixes the applied crop protection products in an almost dustfree manner to the seed. A pigment may be added.

**Germination**

Germination figures relate to ISTA procedures and are valid at the time of despatch.

**Terms describing the reaction of plants to pests or pathogens and to abiotic stress**

**Immunity**

Not subject to attack or infection by a specified pest or pathogen.

**Resistance**

The ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure.

Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:

**High resistance (HR):** plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.

**Intermediate resistance (IR):** plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to high/standard resistant varieties. Moderately/intermediately resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

**Susceptibility**

The inability of a plant variety to restrict the growth and development of a specified pest or pathogen.

**Tolerance**

The ability of a plant variety to endure abiotic stress without serious consequences for growth, appearance and yield.

*ISTA, International Seed Testing Association

The contained information in this catalogue corresponds to the available owe by Semillas Fitó in the date of this edition.

All infos in this catalogue related to technical data are based on our local trials and general experience. They do not necessarily imply a successful harvest in other countries. That’s why Semillas Fitó will not accept any responsibility due to changing factors. The success of the cultivation also depends on factors non-related with the seed.
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<th>Races/Pathotypes</th>
<th>Level of resistance</th>
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**Abbreviations:**

HR: High Resistance
IR: Intermediate Resistance
T: Tolerant