VEGETABLE Southeast Asian Catalog





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A Spanish company with a Multinational dimension



Semillas Fitó Headquarters - Barcelona (Spain)



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 certificates this process.

SmartQ



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 Fito'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.



TOMATO

Fı

Fı

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.

HR ToMV / Fol: 0, 1 / Va / Vd / TSWV / Pf: A-E IR On / Ma / Mi / Mj





VITARA	Fı
12 clusters with size	
Intermidium vigor with shorth interno	des.
Slightly flat fruit with uniform big size color. Great quality.	and
HR ToMV / Fol: 0, 1 / Va / Vd / TSWV / Pf: A-E IR On / Ma / Mi / Mj	

MOTRIL





Good vigor and very early maturing. Short internodes.

Impresive first settings with slightly flat fruits. Deep red color and firm. Slightly ribbed shoulders and small blossom end scar.







POLIKING Organic

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

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

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



F١

Very vigoruos plant. Perfect for long cycles and difficult growing conditions.

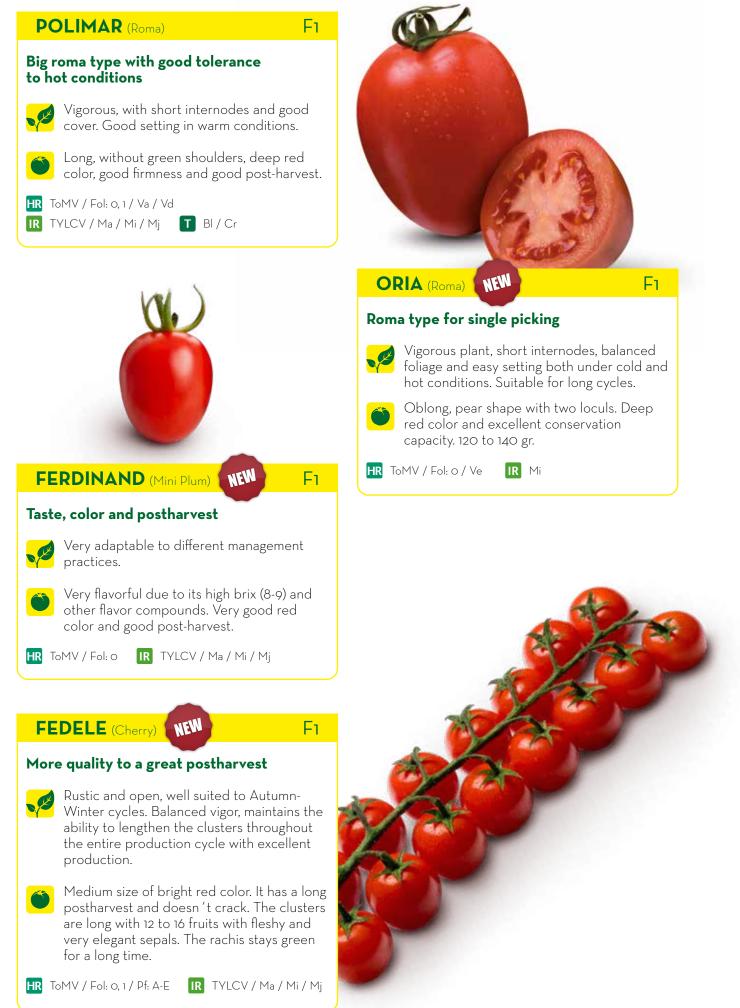


Easy setting and early maturing. Extra firm fruits perfect for export markets. 200 to 250 gr.

HR ToMV / Fol: 0, 1 / For / Vd

F1

ROMA / MINI PLUM / CHERRY ROUND



PEPPER

RED BLOCKY

Fı

MAESTRAL

Earliness, yield and quality



Compact and very early plant with very concentrated yield during the first 2 months of harvest.

Fı



G-GG size, nice shape and post-harvest.

HR Tm: 0-3 IR TSWV: Po





RED KING

Red blocky for early transplanting



Open plant with short internodes. Medium leaf coverage and medium-high vigor.



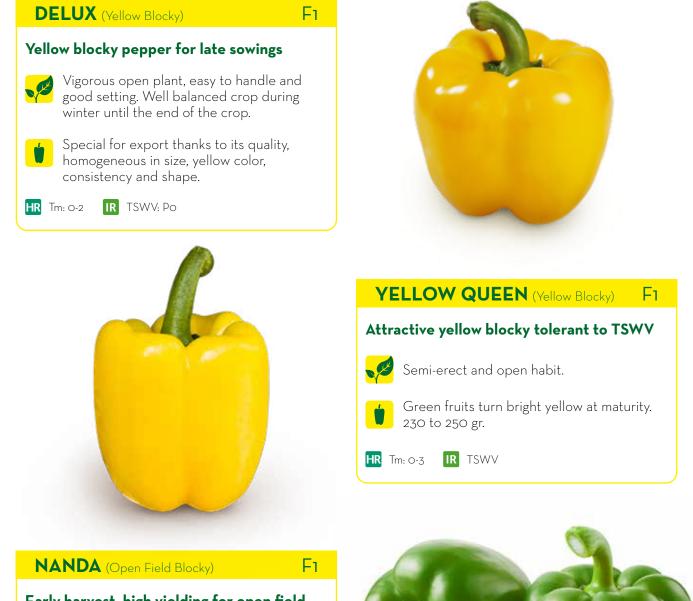
Medium-high size. Good and shiny red color. Firm fruit and good post harvest.



RED STAR F1 **Attractive red blocky tolerant to TSWV** Semi-erect and open habit. **Semi-erect and open habit. Semi-erect and open habit.**



YELLOW BLOCKY / OPEN FIELD BLOCKY



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

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.

HR Tm: O-2 IR TSWV

F1

LAMUYO / SWEET ITALIAN

SEGRE (Lamuyo)

3/4 Lamuyo 4x4

Vigorous plant that allows this pepper to be grown in hot weather conditions in open field. Excellent fruit cover.

Fı

Semi Lamuyo pepper with four lobes. Great shinny blood red color. Uniform fruits.

IR TSWV





ABANTO (Sweet Italian)

Uniform and productive

R.

Very vigorous plant able to produce in open and greenhouse conditions with cycles all year.

Fı



Conical with smooth walls. 21 to 25 cm. long.

HR Tm: O-2

EGGPLANT

SEMI LONG BLACK / OVAL BLACK

SEVEN (Semi Long Black)

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.

Fı

BLACK PEARL (Semi Long Black)

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

F1

Just perfect

Vigorous with short internodes. Always green and velvety follage. Good performance in different weather conditions ensuring excellent production.



Bright black throughout the cycle. Always round-oval shape. Spineless calix.

LONG BLACK / STRIPED

SILIA (Long Black)

Yield and quality fruits



Open and vigorous plant with easy regrowth during the entire crop cycle.

Fı



Cylindrical shape and shiny black color skin with spinless green calix.



Color and yield along the crop



F١

Open plant, medium vigor and low labor demand. Easy setting.

Fı

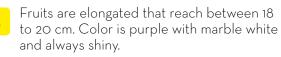


PURPLE GULA (Striped)

Attractive, dazzeling, novel



Medium vigor plant that covers well the fruits. Easy to manage.







CUCUMBER

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. IR CVYV / ZYMV / Px

MINI RACER (Multifruited) NEW

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.

F١

IR CMV / CVYV / ZYMV / PRSV / Px HR Ccu

F1

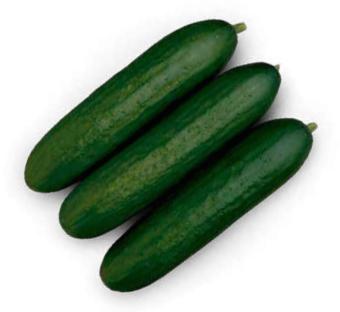
MINI ANGEL (Multifruited) Heavy yielder Multifruited.

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

HR Px / CVYV / CMV

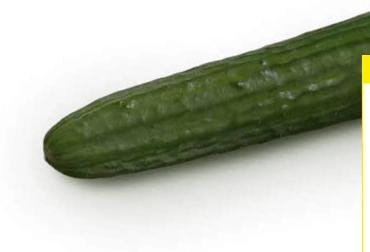






MINI SUMMER

MINI WINTER



MINI WONDER (Single fruit)

Solitary fruits & high yield



Easy to manage and easy to harvest. One or two fruits per node.

F1



Dark green. 120 to 150 gr. 13 cm. long by 2.9 cm. wide.

IR Px / CVYV

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



IR CVYV / Px

color, 1–2 fruits/node.



MINI MARSHAL (Single fruit) NEW F1

High cold tolerance for long cycles



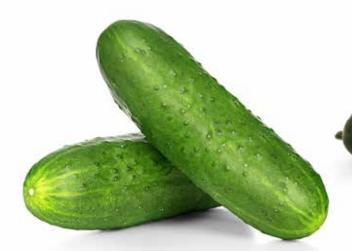
Vigorous, with medium side shoots, small leaves.

16-18 cm. with good quality on both main stem and side shoots, 1-2 fruits/node.

IR Px

ASIAN / COCKTAIL

F٦



GRANADA (Asian)

Traditional taste



Adaptable plant with vigorous vegetation and high productivity.

Medium to long fruit size. Skin is greenyellowish color and very nice taste.

IR CVYV / Px

GLADIATOR (Asian)

Quality, earliness and yield



F١

Vigorous, open, dark green leaves and flowering 100% ginoic. Variety well adapted to different crop conditions.



IR CMVCVYV / Px

Dark green fruits, with excellent post-harvest conservation. Variety well adapted to hot conditions and high luminosity.



NEW

F1



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.

IR CMVCVYV / Px

IR Ccu / Px

MINI STRIKER (Cocktail)

Adaptable to multiple growing conditions

canopy and heavy multifruit.

Strong plant with short internodes. Open

Medium green fruits of 10 to 12 cm. long. High

yield potential with outstanding quality.

F1

GHERKIN

INDRA NU

Fı

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





LEGEND

Deepest color along the crop

Vigorous, with high growth capacity in short days. Healthy leaves wih dark green color.



F1

Dark green fruits even at the bottom. High number of spines and excellent postharvest. Excellent quality along the crop.

HR Ccu IR CMV / Px

EMPIRE

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 CVYV / CYSDV / Px



MELON

GALIA / LSL / YELLOW

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.

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





GOLD JACK (Yellow)

F١

F١

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.





PIEL DE SAPO / ITALIAN / CHARENTAIS LSL

F1

Fı

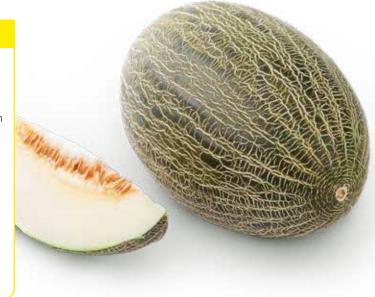
DINOVO (Piel de sapo)

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.

IR Px: 1, 2

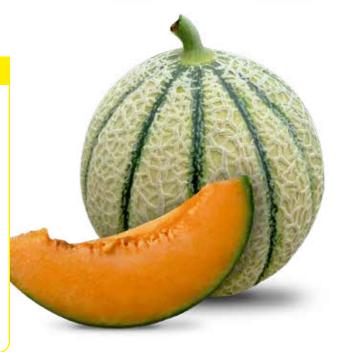


VENUS (Italian)

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 13-14° Brix. Orange colored flesh, with good firmness and conservation in early crop.

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





SQUASH

MEDDIUM GREEN / WHITE



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 / Px

SUMMER STAR

3 virus & oidium tolerance



Short internodes and open habit that makes this variety easy to pick.

NEW

F١

F1

Organic



Straight and cylindrical shape fruit throughout the entire production. Very bright green color.

IR CMV / ZYMV / WMV / Px

WHITE STAR

All year variety



Medium plant vigor with good fruit coverage.

Cylindrical, with medium green color and high uniformity.

IR WMV / ZYMV / PRSV



WATERMELON

BLACK / CRIMSON

F1

RED MAGIC (Black Diploide)

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 seed specifications

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:

Crop	Germination (%)	Varietal Purity (%)
Eggplant	90	98
Squash	92	97
Melon	90	98
Cucumber/Gherkin	92	99
Pepper	90	97
Tomato	92	98
Watermelon	90	98
Seedless watermelon	85	98

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 avaible 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 responsability due to changing factors. The success of the cultivation also depends on factors non-related with the seed.

RESISTANCES AND TOLERANCES ABBREVIATIONS

Species	Pest / Pathogen	Code	Organism	Scientific nace	Races/ Pathotypes	Level of resistance
	Cucumber mosaic	CMV	Virus	Cucumber Mosaic Virus		IR
	Papaya mosaic	PRSV	Virus	Papaya Ringspot Virus		IR
Squash	Watermelon mosaic	WMV	Virus	Watermelon Mosaic Virus		IR
Squasn	Zucchini yellow	ZYMV	Virus	Zucchini Yellow Mosaic Virus		IR
	Powdery mildew	Gc	Fungus	Golovinomyces cichoracearum		IR
	Powdery mildew	Px	Fungus	Podosphaera xanthii		IR
	Melon necrotic spot	MNSV	Virus	Melon Necrotic Spot Virus		HR
	Fusarium wilt	Fom	Fungus	Fusarium oxysporum f. sp. melonis	0, 1, 2	HR
Melon	Powdery mildew	Gc	Fungus	Golovinomyces cichoracearum		IR
	Powdery mildew	Px	Fungus	Podosphaera xanthii	1, 2, 5	IR
	Aphid	Ag	Insect	Aphis gossypii		IR
	Cucumber mosaic	СМУ	Virus	Cucumber Mosaic Virus		IR
	Cucumber vein yellowing	CVYV	Virus	Cucumber Vein Yellowing Virus		IR
	Cucurbit yellow	CYSDV	Virus	Cucurbit Yellow Stunting Disorder Virus		IR
Cucumber /Gherkin	Powdery mildew	Gc	Fungus	Golovinomyces cichoracearum		IR
/Gnerkin	Powdery mildew	Px	Fungus	Podosphaera xanthii		IR
	Target spot	Cca	Fungus	Corynespora cassiicola		HR
	Scab	Ccu	Fungus	Cladosporium cucumerinum		HR
	Tobamovirus (TMV, ToMV, PMMoV)	Tm: O	Virus	Pepper Mild Mottle Virus	Ро	HR
	Tobamovirus (TMV, ToMV, PMMoV)	Tm: 0-2	Virus	Pepper Mild Mottle Virus	Po, P1, P1.2	HR
	Tobamovirus (TMV, ToMV, PMMoV)	Tm: 0-3	Virus	Pepper Mild Mottle Virus	Po, P1, P1.2, P1.2.3	HR
	Potato virus Y	PVY	Virus	Potato Virus Y	0,1	HR
Pepper	Tomato spotted wilt	TSWV	Virus	Tomato Spotted Wilt Virus		IR
	Stip	St	Abiotic	Stip		т
	Cracking	Cr	Abiotic	Cracking		т
	Bacterial spot	Xev	Bacteria	Xanthomonas campestris pv. vesicatoria	0-10	HR/IR
	Fusarium wilt	Fon	Fungus	Fusarium oxysporum f.sp. niveum	0,1	IR
Watermelon	Anthracnose	Co	Fungus	Colletotrichum orbiculare	-,-	IR
	Tomato mosaic	ToMV	Virus	Tomato Mosaic Virus	0, 1, 2, 1-2	HR
	Tomato spotted wilt	TSWV	Virus	Tomato Spotted Wilt Virus	0	HR
	Tomato yellow leaf curl	TYLCV	Virus	Tomato Yellow Leaf Curl Virus		IR
	Bacterial speck	Pst	Bacteria	Pseudomonas syringae pv. tomato		HR
	Leaf mold	Pf	Fungus	Fulvia fulva	A, B, C, D, E	HR
	Fusarium wilt	Fol	Fungus	Fusarium oxysporum f. sp. lycopersici	0,1	HR
	Fusarium crown	For	Fungus	Fusarium oxysporum f. sp. radicis-lycopersici	3,1	HR
Tomato	Verticillium wilt	Vd	Fungus	Verticillium dahliae	o (US1)	HR
	Verticillium wilt	Va	Fungus	Verticillium alboatrum	o (US1)	HR
	Root-knot	Mi	Nematode	Meloidogyne incognita	0 (001)	HR/IR
	Root-knot	Ма	Nematode	Meloidogyne arenaria		HR/IR
	Root-knot	Мј	Nematode	Meloidogyne javanica		HR/IR
	A SOCIATION			i ioioidogrie juvanica		int/in
	Blossom and Dat	RED	Abiatia	Blossom End Dat		т
	Blossom end Rot Blotching	BER Bl	Abiotic Abiotic	Blossom End Rot Blotching		T T

HR: High Resistance IR: Intermediate Resistance T: Tolerant













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