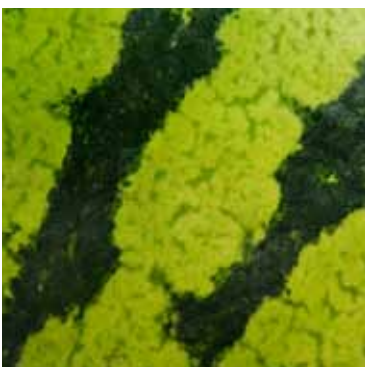


INTERNATIONAL SEEDS CATALOGUE



THE SEED OF DISCOVERY™





Dear Customer,

Origene Seeds is an innovative International Seed Company, active in Plant Breeding, in Seed Production, in Seed Processing; and in Marketing and Sales of hybrid vegetable varieties for the professional sectors.

Origene Seeds is an industry leader in Research and Development of new, improved vegetable varieties. The Company's strategic focus is to develop hybrids with novel traits that have a high added- value and that meet the present and future demands of our customers.

Over the last fifteen years, we have marketed the seeds of our Cucurbit varieties worldwide and we maintain the highest standards of genetic quality, integrity and professionalism.

Research is the heart of ORIGENE SEEDS and its future.

It is with pride that I introduce the new series of advanced watermelon varieties tolerant to Powdery Mildew disease. The development of these new hybrids has been a long process taking several years of effort and using unique methods to introducing the wild genes with tolerance into cultured genetic material. This line of products is both innovative and revolutionary. This is an example of environmentally-friendly products released by Origene Seeds.

Another such example is drought-tolerant seedless watermelon varieties that need 25-30 % less water.

We are also introducing Honey Dew and Yellow Canary type melons that combine a strong plant and fruit of excellent eating quality.

Origene Seeds is committed to creating and developing new varieties with a significant contribution to the fresh produce value chain, satisfying the customers' needs for quality, taste, flavor, uniformity and high nutritional values, combined with high yields and environmental friendliness Sought by the growers.

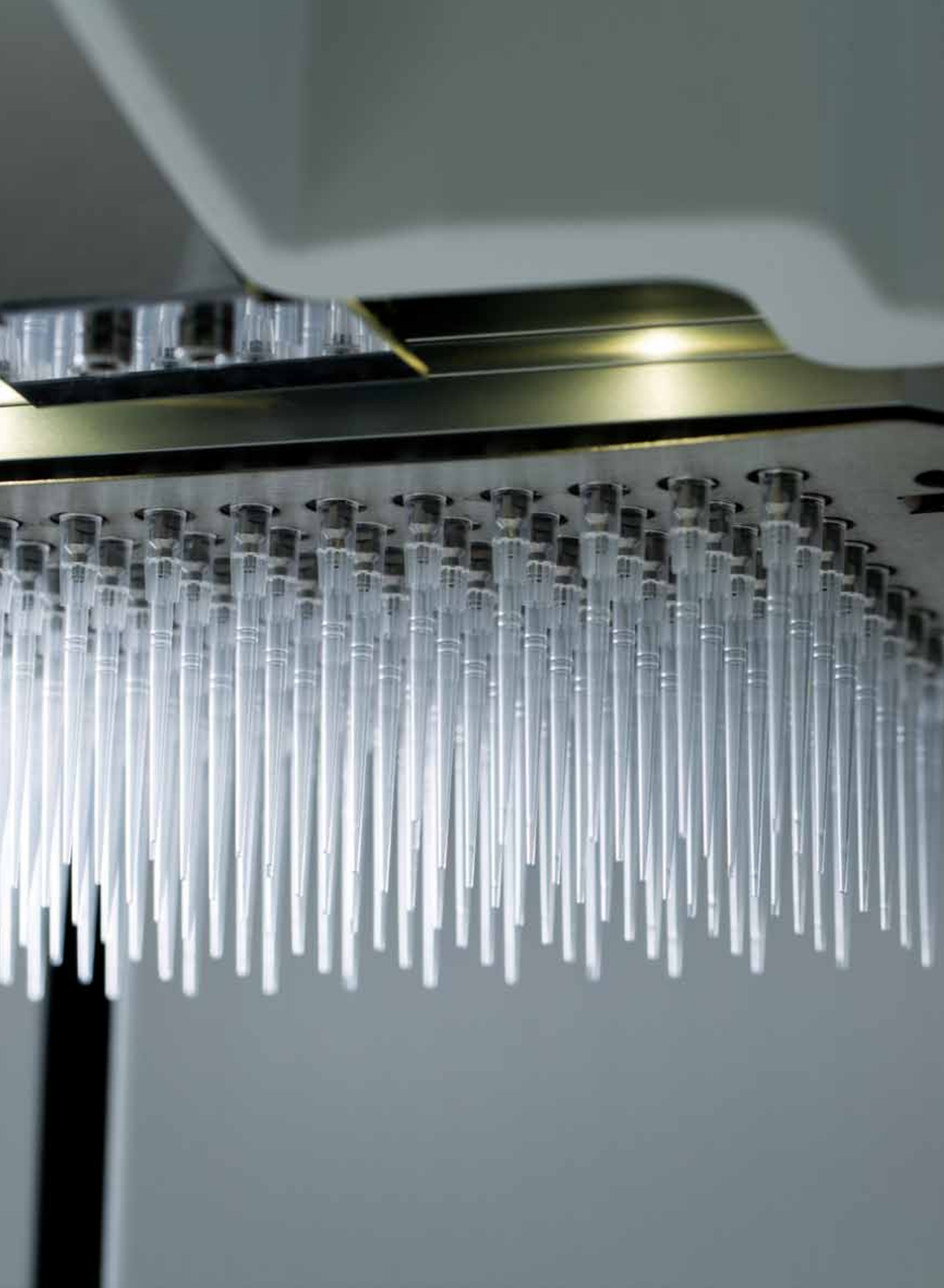
Sincere thanks are due to our Business Partners for their contribution to the continued consolidation and progress of Origene Seeds.

You are welcome to browse through the catalogue and to take note of our many market-leader varieties as well as of our new hybrids.

I warmly invite you to contact our marketing team for assistance in all aspects of your variety choice, for advice with agro-technical matters and for any further information you might require.

Sincerely yours,

Eyal Vardi, Ph.D
CEO



Origene Seeds Directory

In which we introduce

All Seasons Distribution	6
Chapter 1	
Watermelon	10
Chapter 1.1	
Large seedless	12
Chapter 1.2	
Joya type	20
Chapter 1.3	
Mini seedless	24
Chapter 1.4	
Large fruits with seeds	36
Chapter 1.5	
Mini fruits with seeds	42
Chapter 1.6	
Pollenizers	46
Chapter 1.7	
Rootstocks	48
Chapter 1.8	
Summary table by watermelon fruit types	50
Chapter 1.9	
Cultivation techniques for watermelon	55
Chapter 2	
Melon	58
Chapter 2.1	
Galia	60
Chapter 2.3	
Justin	63
Chapter 2.4	
Cantaloupe	65
Chapter 2.5	
Honey Dew	69
Chapter 2.6	
Yellow Canary	74
Chapter 2.7	
Ananas	77

Chapter 2.8	
Pearlina	78
Chapter 2.9	
Specialty	79
Chapter 2.10	
Summary table by melon fruit types	80
Chapter 3	
Cucumber	86
Chapter 4	
Winter Squash, Pumpkin and Gourd Collection	92
Chapter 5	
Squash	104
Chapter 6	
Pepper	110
Chapter 7	
Tomato	114
Recommended Codes for Pest Organisms in Vegetable Crops	118
Terms and Conditions	121

Table legend

	Type		Plant
	Shape		Season
	Size		Tolerance
	Flesh		Irrigation
	Taste		Remarks
			Shelf-life

PBR = Plant Breeding Rights

PBR* = Plant Breeding Rights, pending

The information contained herein, including without limitation, the genetic material, is propriety information of Origene Seeds Ltd.
All the information in the catalogue represents results obtained in field trials performed by Origene Seeds. The results can be influenced by weather and field management.





All Seasons **Distribution**

For distribution list please visit our website: www.origeneseeds.com



MEET MEET MEET





Watermelons

The Origene Seeds watermelon breeding program is considered as one of the most advanced worldwide.

Our product line is very diverse and covers almost all of the existing watermelon segments.

Origene Seeds is a pioneer in the breeding of seedless watermelon and has the proprietary achievement of introducing intermediate resistance to Powdery Mildew. This program is a significant breakthrough, the source of the natural genes controlling the resistance from exotic wild watermelons.

Another such example is drought-tolerant seedless watermelon varieties that need 25-30% less water.

In addition, Origene Seeds offers a wide range of watermelon sizes, shapes and colors. The company diploid watermelon Lines are wide-ranging, covering market segments from all over the world.











To complete the watermelon product line, the company continues to develop pollenizers. Origene pollenizers have a relatively large number of male flowers that have an extended period of flowering, in parallel to the flowering of the seedless varieties being pollinated. Rootstocks, custom-developed for watermelons, have a range of vigor levels suited to the vigor of the scions.

A close-up photograph of several watermelon slices and whole watermelons resting on a bed of green, leafy vines. The watermelon flesh is a vibrant red, and the rind is a dark green with lighter green stripes. The text "To the Maximus" is overlaid in the center of the image.

To the **Maximus**

Maxima (Maximus PBR)

Come with us on a journey that starts with Origene Seeds' leading watermelon variety: Maxima. This unique large, round fruit is exceptional with its outstanding sweet flavor. The flesh is very firm and with a high level of Lycopene giving the fruit an intense-deep-red color. The plant is vigorous, suited to mid-to-late season and is very productive.

				
Very dark stripes	Round	36 ct. 9-10 kg. (19.8-22 lb.)	Very deep-red, high lycopene, very firm	Outstanding sweet flavor
				
High vigor			Mid-to-late	Very productive



Talca

Have you ever seen Talca? All good characteristics are enveloped in a big oval fruit. An outstanding sweet flavor, with very deep-red flesh thanks to the high Lycopene content and very firm flesh. The plant is vigorous, very productive and suited to mid-to-late season.



Very dark stripes



Oval



36 ct. 8-9 kg.
(17.6-19.8 lb.)



Very deep-red,
high lycopene,
Very firm



Outstanding
sweet flavor



High vigor



Mid-to-late



Very productive





Lucille

I love Lucille. Dark stripes and oval shape, the fruit is almost large. The flesh is deep-red thanks to a high level of Lycopene. Highly vigorous plant suited to early-to-mid season.



Dark stripes



Oval



36 ct. 7-8 kg.
(15.4-17.6 lb.)



Deep-red, high
lycopene



Early-to-mid



Savannah

It is so simple to have watermelon fruits in early-to-mid season with a pattern of light stripes. You just have to plant Savannah in your field.



Light stripes



Oval



36 ct. 7-8 kg.
(15.4-17.6 lb.)



Red, high firmness













Early-to-mid



You almost won't see Powdery Mildew on my leaves and I will stay healthy and green till I grow to a perfect sweet and deep-red fruit. To choose this watermelon SERIES is the path to better field, using less chemicals and contributing to the environment.













Qumran PBR

				
Wide stripes	Elongate	36 ct. 8-9 kg. (17.6-19.8 lb.)	Deep-red	Very sweet
				
High vigor	Px IR		Mid-to-late	













ORS 6042

				
Very dark stripes	Oval	36 ct. 9.5-10.5 kg. (20.9-23.1 lb.)	Deep-red	
				
High vigor	Px IR	Can do very well with limited irrigation	Mid-to-late	



ORS 6151

				
Dark stripes	Oval	36&45 ct. 7-8 kg. (15.4-17.6 lb.)	Deep-red	
				
			Early	



ORS 6203



Dark stripes



Oval



36 ct. 7.5-8.5 kg.
(16.5-18.7 lb.)



Deep-red



High vigor



Px IR



Early-to-mid



ORS 6227



Dark stripes



Oval



36 ct. 9.5-10.5 kg.
(20.9-23.1 lb.)



Deep-red



High vigor



Px IR



Can do very well
with limited
irrigation



Mid-to-late



ORS 6260



Dark stripes



Oval



36 ct. 10-11 kg.
(22-24.3 lb.)



Red



Mid-to-high vigor



Px IR



Can do very well
with limited
irrigation



Early-to-mid













For hot
conditions





Bungi

A 'game-changer', Bungi is round and has a dark-green rind color and a very red, sweet inside. The plant fits early-to-mid season.

				
Dark green	Oval	36 ct. 7-8 kg. (15.4-17.6 lb.)	Deep-red	Very sweet
				
			Early-to-mid	



Kudu

Find a secluded spot to sit and eat Kudu. It has a large fruit with an extraordinary olive-colored rind. And the fruit is so sweet!!

				
Olive	Oval	36 ct. 8-9 kg. (17.6-19.8 lb.)	Red	
				
			Early-to-mid	

ORS 6328

PSF



Very dark stripes



Round



36 ct. 8-10 kg.
(17.6-22 lb.)



Processing Standard
Firm Flesh (PSF)



High vigor



Industry firm
flesh, high brix
and good red
color

ORS 6331

PSF



Light striped



Round



36&45 ct. 6-7 kg.
(13.2-15.4 lb.)



Processing Standard
Firm Flesh (PSF)



Industry firm
flesh, high brix
and good red
color

PSF

Processing Standard
Firm Flesh (PSF)





Joya type

LaJoya

LaJoya

A desert jewel. A round fruit with a deep-red flesh color and very sweet taste. The plant is very strong and can do very well with limited irrigation.



Very dark stripes



Round



60 ct. 5-6 kg.
(11-13.2 lb.)



Deep-red, high
lycopene, very firm



Outstanding
sweet flavor



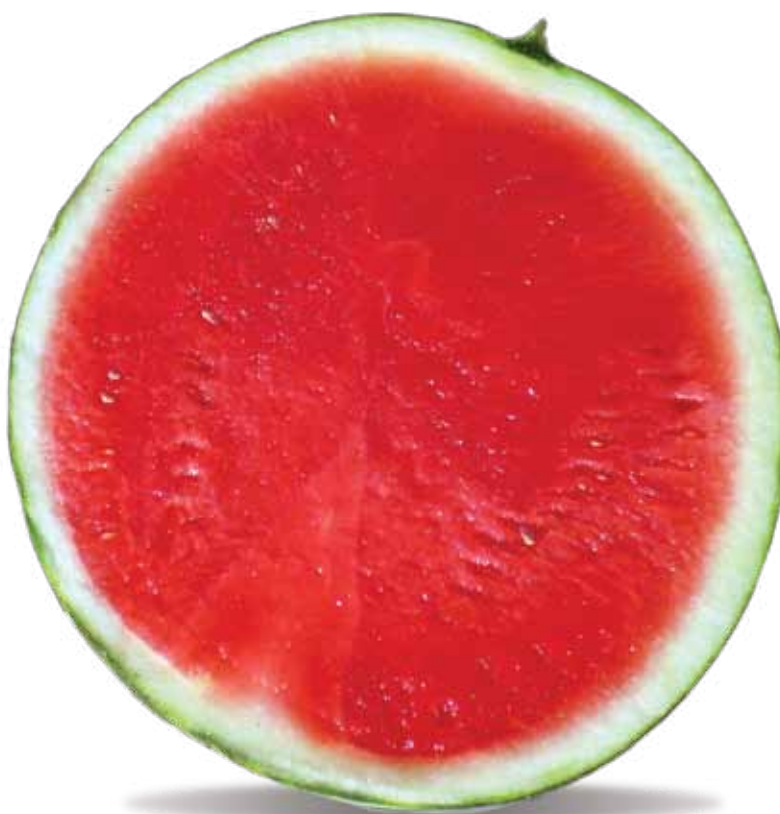
High vigor



Can do well with
limited irrigation



Mid



Esperanto

Let's speak Esperanto. This tiger-striped watermelon has a high level of Lycopene and a deep-red color. The flavor is very sweet. The plant blooms in early-to-mid season.



Tiger stripes



Round



45 ct. 5-6 kg.
(11-13.2 lb.)



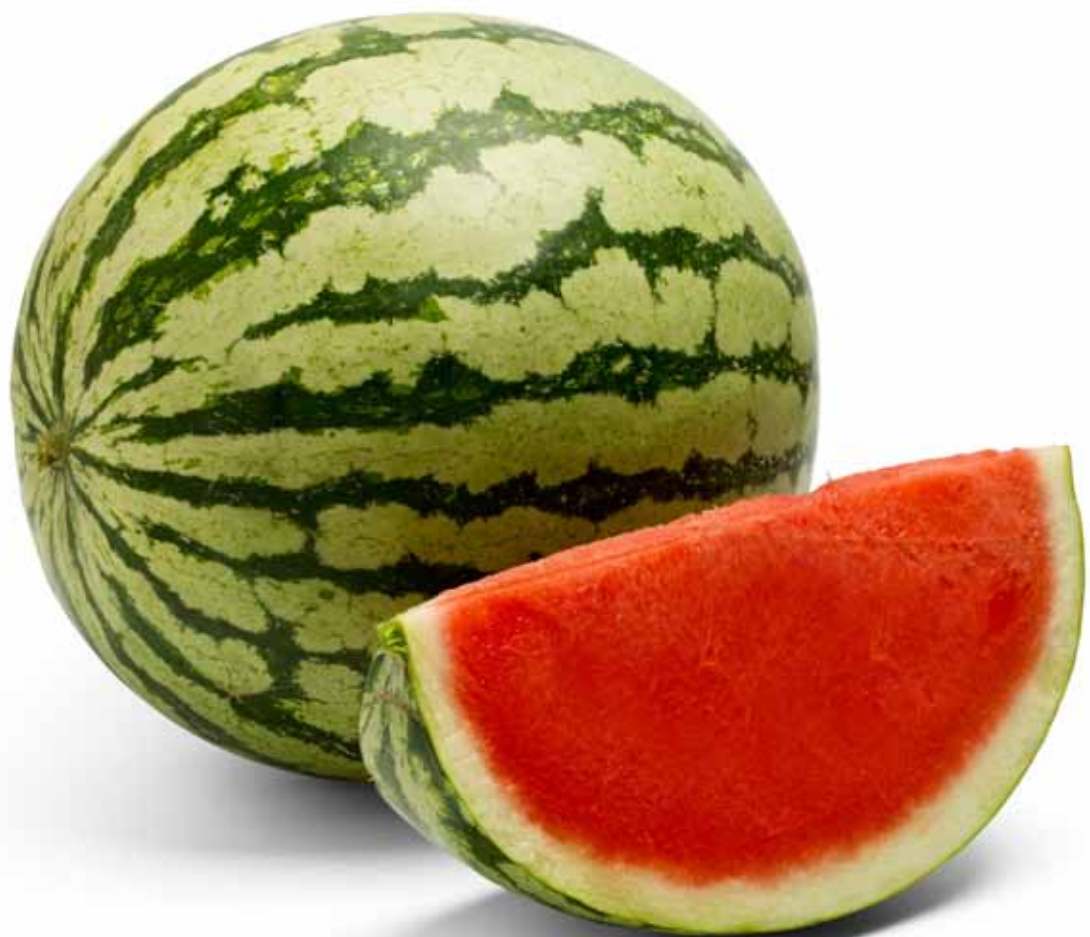
Deep-red flesh, high
lycopene



Sweet flavor













Early-to-mid















Paradigm PBR*











				
Dark stripes	Round	45 ct. 6-7 kg. (13.2-15.5 lb.)	Very deep-red, very firm	Very sweet
				
High vigor	Px IR	Can do very well with limited irrigation	Mid-to-late	Very productive



ORS 6064

				
Dark stripes	Oval	36&45 ct. 6-7 kg. (13.2-15.5 lb.)	Deep-red	
				
High vigor	Px IR	Can do very well with limited irrigation	Early-to-mid	

ORS 6181

				
Dark stripes	Round-to-slightly- oval	45 ct. 6-7 kg. (13.2-15.5 lb.)	Deep-red	
				
	Px IR		Early	

this is **Mini**

Ashira

Rind with dark stripes, round shape, red and firm flesh, very sweet. This is Ashira. .



Dark stripes



Round



2.5-3 kg.
(5.5-6.6 lb.)



Red, very firm



Very sweet



Mid



6 ct.



Ana

Rind with dark stripes, round shape, deep-red and firm flesh, very good taste. This is Ana. Our new mini seedless variety belongs to the dark-striped-rind category.



Dark stripes



Round



2.8-3.3 kg.
(6.2-7.3 lb.)



Deep-red,
very firm



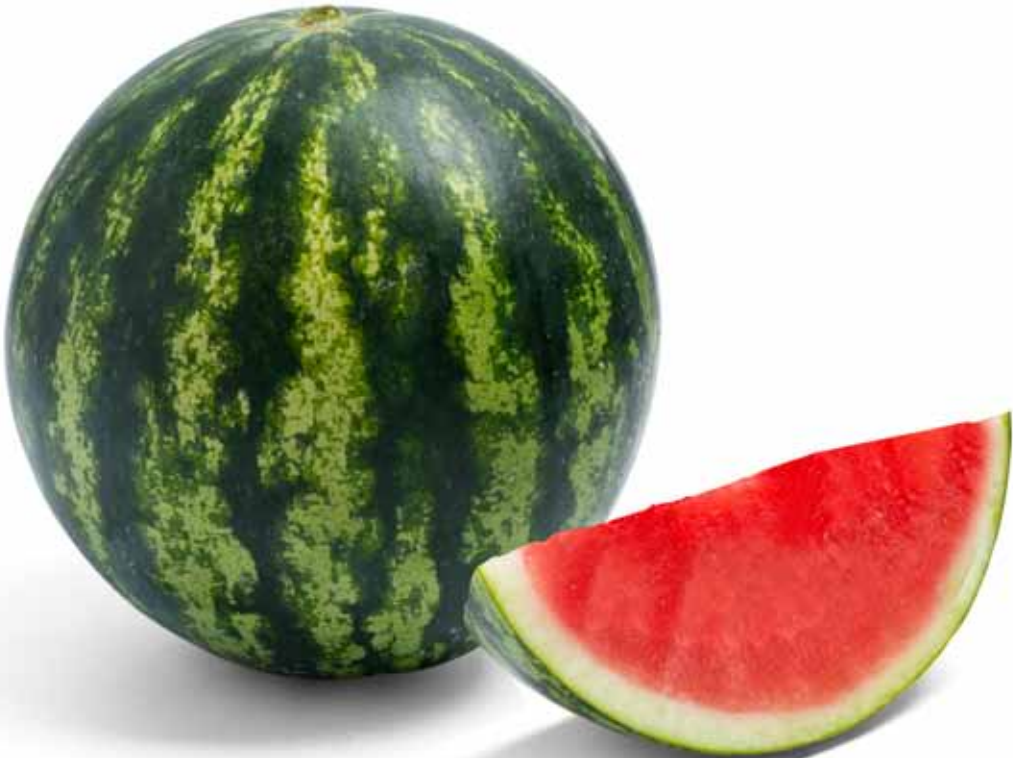
Very sweet,
very good taste



Early-to-mid



6 ct.



Watermelons *Mini Seedless*



C₂ PBR

Rind with dark, round shape, red and firm flesh, very good taste. This is C₂. A classic mini seedless variety.



Dark stripes



Round



2.2-2.7 kg.
(4.8-5.9 lb.)



Red, very firm



Very good
taste



Early-to-mid



6 ct.



ORS 12748



Dark stripes



Round



2.5-3 kg.
(5.5-6.6 lb.)



Deep-red



Early-to-mid

6 ct.



Paragon PBR*



Dark stripes



Round



2.5-3 kg.
(5.5-6.6 lb.)



Deep-red



Early-to-mid



6 ct.



Belinda PBR*

“The best comes in small packages” is frequently quoted. Belinda is the “cutest” mini with fruit both uniform and unique. With flesh so deep-red and so firm, it is a “concentrated” watermelon.



Dark stripes



Round



1.8-2.3 kg.
(3.9-5 lb.)



Deep-red,
exceptionally firm



Special taste



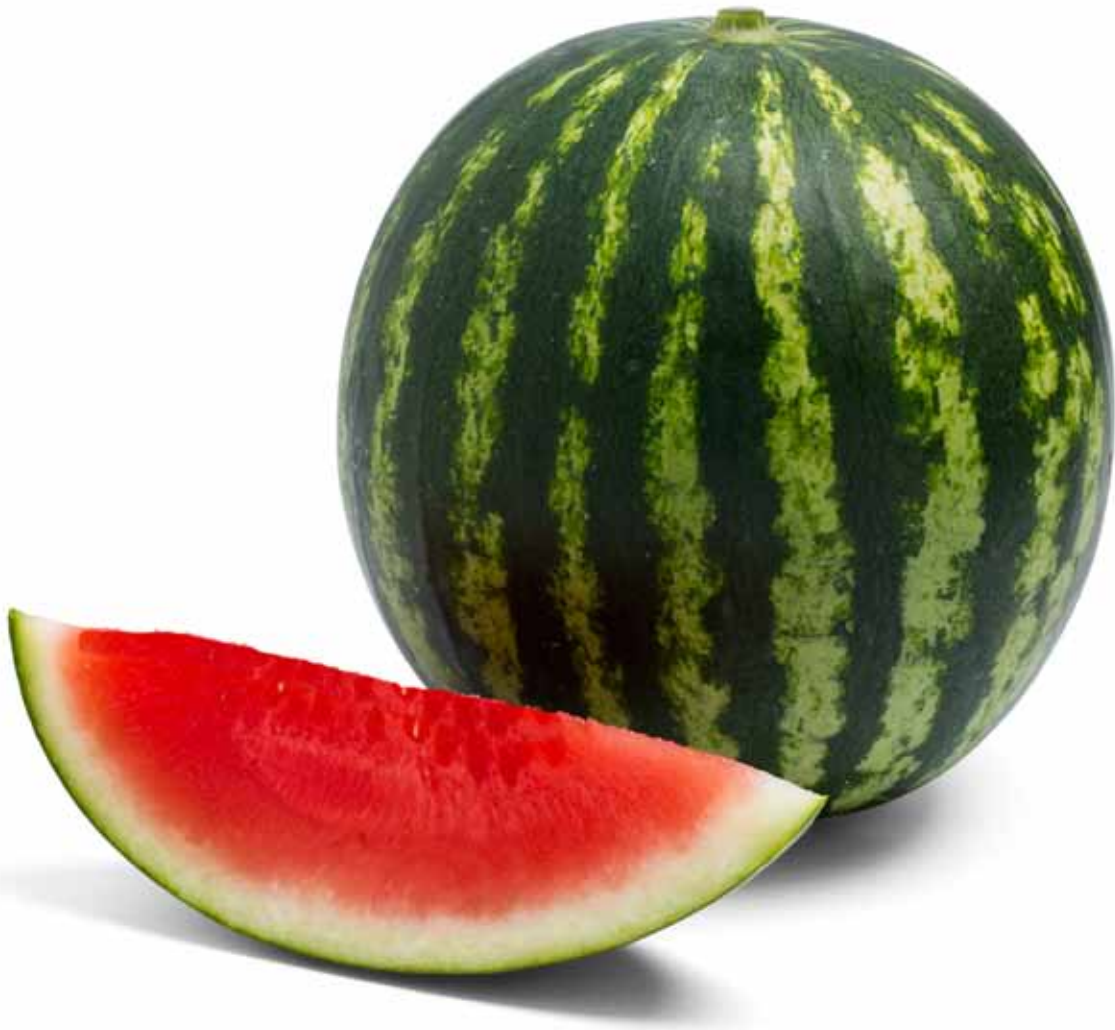
High vigor



Mid



8 ct.



The world has been waiting for a revolution in the watermelon crop. And here is the first 'green' mini seedless SERIES in the world with intermediate resistance to Powdery Mildew. Perfect sweet and deep-red fleshed watermelons, that will grow in your field with the minimum control required. Please try it!



Promesa



Dark stripes



Round



2.6-3.1 kg.
(5.7-8 lb.)



Deep-red, very firm



Very sweet



High vigor



Px IR



Mid



6 ct.



Primavera

PBR



Dark stripes



Round



2.7-3.2 kg.
(5.9-7 lb.)



Deep-red, very firm



Very sweet



High vigor



Px IR



Mid



6 ct.



ORS 7127



Dark stripes



Round



2.5-3 kg.
(5.5-6.6 lb.)



Deep-red



High vigor



Px IR



Mid



6 ct.

The sky is not the limit for the tiger type trio: SkyLine, SkyView & SkyStar. The Line has red, firm flesh; the View is a little bit smaller and very firm; the Star is somewhat smaller, with deep-red, firm flesh. All are tigers. Each one is special.



SkyLine



Tiger stripes



Round



2.6-3.1 kg.
(5.7-6.8 lb.)



Red, very firm



Early



6 ct., Tiger type



SkyView



Dark tiger stripes



Round



2.5-3 kg.
(5.5-6.6 lb.)



Red, exceptionally firm



Early



6 ct., Tiger type



SkyStar



Tiger stripes



Round



2.4-2.8 kg.
(5.3-6.1 lb.)



Deep-red, very firm



Early









6 ct., Tiger type

The first ‘green’ Tiger type mini seedless, in the world with intermediate resistance to Powdery Mildew, that will grow in your field with the minimum control required.












Papagayo

				
Tiger stripes	Round	2.4-2.9 kg. (5.3-6.4 lb.)	Deep-red	
				
High vigor	Px IR	Early-to-mid	6 ct., Tiger type	






ORS 7090

				
Tiger stripes	Round	2.5-3 kg. (5.5-6.6 lb.)	Deep-red	
				
		Early	6 ct., Tiger type	












Golda

Pure gold watermelon. Golda rind is yellow and the flesh is red, like a precious jewel.

				
Gold	Round	2.5-3 kg. (5.5-6.6 lb.)	Red, very firm	
				
		Early	Gold rind, red flesh	












Bumble Bee

				
Dark green	Round	2.5-3 kg. (5.5-6.6 lb.)	Yellow	
				
		Early	Dark green rind, yellow flesh	



Deborah










An unexpected orange inside with dark green rind outside. Deborah watermelon is sweet and can be a natural candy.

				
Dark green	Round	5-6 kg. (11-13.2 lb.)	Orange	
				
		Early	Dark green rind, orange flesh	












Noam

Dark green mini seedless fruit with flesh of a deep-red color. The contrast between the dark rind and the deep-red flesh is thanks to the high level of Lycopene. Fruit taste is very good.

				
Dark green	Round	2.5-3 kg. (5.5-6.6 lb.)	Red	
				
	Px IR	Early-to-mid	Red flesh, dark green rind	












ORS 7224

				
Dark green	Round	2.5-3 kg. (5.5-6.6 lb.)	Red	
				
	Px IR	Early-to-mid	Red flesh, dark green rind	



ORS 70321

				
Dark green	Round	2.7-3.2 kg. (5.9-7 lb.)	Red	
				
	Px IR	Mid	Red flesh, dark green rind	
















Seeds *Forever*

River Side

River Side will bring back memories of the “old time” taste of watermelon. With every crunchy bite, you will feel a river of sweetness. The fruit is very unusual in its oval shape and big size. The plant blooms at mid-to-late season.

				
Wide stripes	Oblong	11-16 kg. (24.2-35.2 lb.)	Red	Very sweet
				
Very-high vigor	Fon1 IR	Mid-to-late		





Bomb

This giant Bomb watermelon has deep-red color and very sweet taste. The plant blooms in mid-to-late season.

 Dark wide stripes	 Oval	 10-13 kg. (22-28.6 lb.)	 Deep-red	 Good taste
 High vigor		 Mid-to-late		



Alexander





The Alexander River was used in historic times to ship watermelons on rafts down to the Mediterranean Sea. The watermelon legacy continues with added value of a strong plant that can survive even in inferior soils to produce sweet round-shaped fruit.

 Dark wide stripes	 Slightly oval	 10-15 kg. (22-33 lb.)	 Red	 Good taste
 High vigor	 Fon1 IR	 Mid-to-late		



Yarden

A long river of varied and exotic flavors, a variety studded with small seeds.

 Dark stripes	 Oval	 10-12 kg. (22-26.5 lb.)	 Deep-red	 Good taste
 High vigor		 Early-to-mid	 Small seeds	



Floriana



Wide stripes



Oblong



11-16 kg.
(24.2-35.2 lb.)



Deep-red



High vigor



Fon1 IR



Late



ORS 11804



Wide stripes



Elliptical



10-13 kg.
(22-28.6 lb.)



Deep-red



High vigor



Fon1 IR



Late



Crispy flesh



ORS 11802



Dark green



Oblong



11-13 kg.
(24.3-28.6 lb.)



Deep-red



Good taste



High vigor



Early-to-mid



High yielded plant,
small seeds














ORS 12842

- | | | | | |
|---|---|--|---|---|
| 
Dark Green | 
Round | 
8-10 kg.
(17.6-22 lb.) | 
Deep-red | 
Very sweet |
|  | 
Fol IR | 
Early-to-mid |  | |



Peleg

- | | | | | |
|--|---|---|--|---|
| 
Green stripes | 
Round-to-slightly-oval | 
5-7 kg.
(11-15.4 lb.) | 
Deep-red |  |
|  | 
Early-to-mid |  | 
Medium size | |





Edom Mountains PBR

Maybe it is thanks to the big yellow flowers; maybe it is thanks to the sweet taste. No! It is everything together... Edom Mountains is a very special variety, with its tiger rind, small seeds and a very good taste. This variety can also be used as a pollinizer to dark-rind seedless varieties with early blooming.



Good taste



Excellent pollinizer
for mini seedless
dark-striped types,
small seeds



Solomon Mountain PBR

People from all nations came to hear the wisdom of King Solomon... Solomon Mountain is a special tiger-type variety, distinguished by its very strong plant.



Very strong plant



Adir

Adir is a small fruit of 2.5 kg. with flesh of a deep-red color.



Good taste












Early-to-mid



Nanoor PBR*










To those who like small things, please take a look at the Nanoor watermelon and taste it. The fruit is slightly oval and the seeds – present in a deep-red flesh – are micro.

				
Tiger stripes	Round-to-slightly-oval	1.8-2.2 kg. (3.9-4.8 lb.)	Red	
				
		Very early spring till early summer	micro seeds	



Orininja PBR

Our personal-fruited Orininja will bring a smile to your face. It is so cute with its round shape and micro seeds, so easily carried in your personal bag on trips and treks.

				
Dark stripes	Round-to-slightly-oval	1.8-2.1 kg. (3.9-4.6 lb.)	Red	
				
		Very early spring till early summer	micro seeds	



Caramella PBR*

Round fruit, deep-red flesh with micro seeds, strong plant, early maturing..

				
Tiger stripes	Round	2-2.4 kg. (4.4-5.2 lb.)	Deep-red	
				
	Fus1, Ant	Very early spring till early summer	micro seeds	



A single flower,
A whole world





Natural **Pollenizers**



Ox

The bees cannot resist the Ox big yellow flowers and the pollen grains are carried on to the female flowers of the seedless watermelon. The fruits are non-edible.

Pollenizer light grey (non-edible)	Round	3-3.5 kg. (6.6-7.7 lb.)	White-to-yellow	
			High flowering level, big yellow flowers	



Lion 9

Lion flowers bloom in mid-to-late season and fit the late blooming seedless. The plant has intermediate resistant to Powdery Mildew. The fruits are non-edible.

Pollenizer dark stripes (non-edible)	Round	1.3-1.8 kg. (2.8-3.9 lb.)	White-to-yellow	
	Fon1, Px IR		Good flowering level	

Lion 10


Pollenizer light grey (non-edible)	Round	200 g. - 500 g. (0.4-1.1 lb.)	White-to-yellow	
	Fon1, Px IR		Good flowering level	



ORS 110

This special pollenizer has a high flowering level. The fruits are edible and have good flesh quality.

Grey	Round	3-3.4 kg. (6.6-7.4 lb.)	Red, Good flesh quality	
			Good flowering level	



In general, whereas the roots of some plants are somewhat fragile and do not penetrate the soil to any significant depth, Origene Rootsocks provide a strong root with increased capacity of root volume and a greater depth of penetration. This increases significantly the capability of the plant in water uptake and helps the root avoid many soil-borne diseases.

Results of recurrent trials over almost a decade, of melon seedlings grafted on diverse melon rootstocks, have shown increased yields of 25-30% generated by good compatibility between the scion and the rootstock and by the high vigor of the grafted plant giving more fruits per plant.

We wish you a good **R stock** growth.
o
o
t

A Message from **The Root**



BS1

Inter-specific cucurbit rootstock hybrid with powerful root system. Contributes to very high yields. Good resistance to fungal soil-borne diseases that attack watermelons and melons. BS1 is an easy grafted rootstock.

AQ

Gentle AQ, an interspecific cucurbita hybrid, is suitable for more fragile varieties. Contributes to very high yields. Good resistance to fungal soil-borne diseases that attack watermelons and melons.

Liga


















The Lagenaria-type rootstock is suitable for specific growing areas where such rootstock is preferred.



















MRS Series

A Rootstock's series that are suitable for melon types. The large root system gives the advantage of higher absorption capacity of water and minerals. The plants created from grafts with those rootstocks are stronger and produce larger number of fruits.



Watermelon Summary Table




















Variety	Type	Potential size	Flesh	Plant	Tolerance	Season	Special comments
Large Seedless							
 Maxima (Maximus PBR)	Very dark stripes	36 ct. 9-10 kg. (19.8-22 lb.)	▶ Very deep-red ▶ high lycopene ▶ very firm	High vigor		Mid-to-late	▶ Round ▶ Outstanding sweet flavor ▶ Very productive
 Talca	Very dark stripes	36 ct. 8-9 kg. (17.6-19.8 lb.)	▶ Very deep-red ▶ high lycopene ▶ Very firm	High vigor		Mid-to-late	▶ Oval ▶ Outstanding sweet flavor ▶ Very productive
 Lucille	Dark stripes	36 ct. 7-8 kg. (15.4-17.6 lb.)	▶ Deep-red ▶ high lycopene			Early-to-mid	▶ Oval
 Savannah	Light stripes	36 ct. 7-8 kg. (15.4-17.6 lb.)	▶ Red ▶ high firmness			Early-to-mid	▶ Oval
Large Seedless The Power of the Large							
 Qumran PBR	Wide stripes	36 ct. 8-9 kg. (17.6-19.8 lb.)	▶ Deep-red	High vigor	Px IR	Mid-to-late	▶ Elongate ▶ Very sweet
 ORS 6042	Very dark stripes	36 ct. 9.5-10.5 kg. (20.9-23.1 lb.)	▶ Deep-red	High vigor	Px IR	Mid-to-late	▶ Oval ▶ Can do very well with limited irrigation
 ORS 6151	Dark stripes	36&45 ct. 7-8 kg. (15.4-17.6 lb.)	▶ Deep-red			Early	▶ Oval
 ORS 6203	Dark stripes	36 ct. 7.5-8.5 kg. (16.5-18.7 lb.)	▶ Deep-red	High vigor	Px IR	Early-to-mid	▶ Oval
 ORS 6227	Dark stripes	36 ct. 9.5-10.5 kg. (20.9-23.1 lb.)	▶ Deep-red	High vigor	Px IR	Mid-to-late	▶ Oval ▶ Can do very well with limited irrigation
 ORS 6260	Dark stripes	36 ct. 10-11 kg. (22-24.3 lb.)	▶ Red	Mid-to-high vigor	Px IR	Early-to-mid	▶ Oval ▶ Can do very well with limited irrigation ▶ For hot conditions
 ORS 6386	Dark stripes	36 ct. 8.5-9.5 kg. (18.7-20.9 lb.)	▶ Deep-red	Mid-to-high vigor	Px IR	Early-to-mid	▶ Round to slightly oval ▶ Small pips
 ORS 6390	Light stripes	36 ct. 7.5-8.5 kg. (16.5-18.7 lb.)	▶ Deep-red	High vigor	Fon1 IR, Px IR		▶ Oval
 ORS 6328 P ^{SF}	Very dark stripes	36 ct. 8-10 kg. (17.6-22 lb.)	▶ Processing Standard Firm Flesh (PSF)	High vigor			▶ Round ▶ High brix and good red color ▶ Industry firm flesh (PSF)
 ORS 6331 P ^{SF}	Light striped	36&45 ct. 6-7 kg. (13.2-15.4 lb.)	▶ Processing Standard Firm Flesh (PSF)				▶ Round ▶ High brix and good red color ▶ Industry firm flesh (PSF)
Large Seedless Technicolor							
 Bungi	Dark green	36 ct. 7-8 kg. (15.4-17.6 lb.)	▶ Deep-red			Early-to-mid	▶ Oval ▶ Very sweet
 Kudu	Olive	36 ct. 8-9 kg. (17.6-19.8 lb.)	▶ Red			Early-to-mid	▶ Oval
Joya type							
 LaJoya	Very dark stripes	60 ct. 5-6 kg. (11-13.2 lb.)	▶ Deep-red ▶ high lycopene ▶ very firm	High vigor		Mid	▶ Round ▶ Outstanding sweet flavor ▶ Can do well with limited irrigation

	Esperanto	Tiger stripes	45 ct. 5-6 kg. (11-13.2 lb.)	<ul style="list-style-type: none"> ▶ Deep-red flesh ▶ high lycopene 			Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ Sweet flavor
	Paradigm <small>PBR*</small>	Dark stripes	45 ct. 6-7 kg. (13.2-15.5 lb.)	<ul style="list-style-type: none"> ▶ Very deep-red ▶ very firm 	Px IR	High vigor	Mid-to-late	<ul style="list-style-type: none"> ▶ Round ▶ Very sweet ▶ Very productive ▶ Can do very well with limited irrigation
	ORS 6064	Dark stripes	36 & 45 ct.	<ul style="list-style-type: none"> ▶ Deep-red 	Px IR	High vigor	Early-to-mid	<ul style="list-style-type: none"> ▶ Oval ▶ Can do very well with limited irrigation
	ORS 6181	Dark stripes	45 ct. 6-7 kg. (13.2-15.5 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Px IR		Early	<ul style="list-style-type: none"> ▶ Round to slightly oval
Mini Seedless								
	Ashira	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Red ▶ very firm 			Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very sweet
	Ana	Dark stripes	28-33 kg. (6.2-7.3 lb.)	<ul style="list-style-type: none"> ▶ Deep-red ▶ very firm 			Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very sweet ▶ very good taste
	C₂ <small>PBR</small>	Dark stripes	2.2-2.7 kg. (4.8-5.9 lb.)	<ul style="list-style-type: none"> ▶ Red ▶ very firm 			Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very good taste
	ORS 12748	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 			Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct.
	Paragon <small>PBR*</small>	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 			Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct.
Mini Seedless Personal Design								
	Belinda <small>PBR*</small>	Dark stripes	8 ct. 1.8-2.3 kg. (3.9-5 lb.)	<ul style="list-style-type: none"> ▶ Deep-red ▶ exceptionally firm 		High vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 8 ct. ▶ Special taste
Mini Seedless The Power of the Mini								
	Primavera <small>PBR</small>	Dark stripes	2.7-3.2 kg. (5.9-7 lb.)	<ul style="list-style-type: none"> ▶ Deep-red ▶ very firm 	Px IR	High vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very sweet
	Primera <small>PBR*</small>	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Px IR	High vigor	Early-to-mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very sweet
	Promesa	Dark stripes	2.6-3.1 kg. (5.7-8 lb.)	<ul style="list-style-type: none"> ▶ Deep-red ▶ very firm 	Px IR	High vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Very sweet
	ORS 7033b	Dark stripes	3-3.5 kg. (6.6-7.7 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Px IR	High vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct.
	ORS 7124	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Fon1, Px IR	Mid-to-high vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct.
	ORS 7127	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Px IR		Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct.
	ORS 7199	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Fon1, Px IR	Mid-to-high vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Small pips
	ORS 7204	Dark stripes	25-3 kg. (5.5-6.6 lb.)	<ul style="list-style-type: none"> ▶ Deep-red 	Fon1, Px IR	Mid-to-high vigor	Mid	<ul style="list-style-type: none"> ▶ Round ▶ 6 ct. ▶ Small pips

(Continued on page 52)

Watermelon Summary Table (continued)

Variety	Type	Potential size	Flesh	Plant	Tolerance	Season	Special comments
 ORS 7226	Dark stripes	2.5-2.9 kg. (5.5-6.4 lb.)	▶ Deep-red		Fon1, Px IR	Mid	▶ Round ▶ 6 ct. ▶ Very sweet
 ORS 7230	Dark stripes	2.6-3.2 kg. (5.7-7 lb.)	▶ Deep-red ▶ very firm		Fon1, Px IR	Mid	▶ Round ▶ 6 ct.
Mini Seedless The Tigres							
 SkyLine	Tiger stripes	2.6-3.1 kg. (5.7-6.8 lb.)	▶ Red ▶ very firm			Early	▶ Round ▶ 6 ct. ▶ Tiger type
 SkyView	Dark tiger stripes	2.5-3 kg. (5.5-6.6 lb.)	▶ Red ▶ exceptionally firm			Early	▶ Round ▶ 6 ct. ▶ Tiger type
 SkyStar	Tiger stripes	2.4-2.8 kg. (5.3-6.1 lb.)	▶ Deep-red ▶ very firm			Early	▶ Round ▶ 6 ct. ▶ Tiger type
Mini Seedless The Power of the Tigres							
 ORS 7090	Tiger stripes	2.5-3 kg. (5.5-6.6 lb.)	▶ Deep-red		Fon1, Px IR	Early	▶ Round ▶ 6 ct. ▶ Tiger type
 Papagayo	Tiger stripes	2.4-2.9 kg. (5.3-6.4 lb.)	▶ Deep-red	High vigor	Px IR	Early-to-mid	▶ Round ▶ 6 ct. ▶ Tiger type
 ORS 7200	Tiger stripes	3-3.5 kg. (5.5-7.7 lb.)	▶ Deep-red	Mid-to-High vigor	Fon1	Mid	▶ Round ▶ 6 ct. ▶ Tiger type
 ORS 7238	Tiger stripes	2.7-3.2 kg. (5.9-7 lb.)	▶ Deep-red			Early-to-mid	▶ Round ▶ 6 ct. ▶ Tiger type ▶ Small pips
Mini Seedless Technicolor							
 Golda	Gold	2.5-3 kg. (5.5-6.6 lb.)	▶ Red, very firm			Early	▶ Round, Gold rind, Red flesh
 Bumble Bee	Dark green	2.5-3 kg. (5.5-6.6 lb.)	▶ Yellow			Early	▶ Round ▶ Dark green rind ▶ Yellow flesh
 Deborah	Dark green	5-6 kg. (11-13.2 lb.)	▶ Orange			Early	▶ Round ▶ Dark green rind ▶ Orange flesh
 Noam	Dark green	2.5-3 kg (5.5-6.6 lb.)	▶ Red		Px IR	Early-to-mid	▶ Round ▶ Dark green rind ▶ Red flesh
 ORS7224	Dark green	2.5-3 kg (5.5-6.6 lb.)	▶ Red		Px IR	Early-to-mid	▶ Round ▶ Dark green rind ▶ Red flesh
 ORS 70321	Dark green	2.7-3.2 kg. (5.9-7 lb.)	▶ Red		Px IR	Mid	▶ Round ▶ Dark green rind ▶ Red flesh
Large Fruits with Seeds							
 Bomb	Dark wide stripes	10-13 kg. (22-28.6 lb.)	▶ Deep-red	High vigor		Mid-to-late	▶ Oval ▶ Good taste
 Alexander	Dark wide stripes	10-15 kg. (22-33 lb.)	▶ Red	High vigor	Fon1 IR	Mid-to-late	▶ Slightly oval ▶ Good taste

	Yarden	Dark stripes	10-12 kg. (22-26.5 lb.)	► Deep-red	High vigor	Early-to-mid	► Oval ► Small seeds
	River Side	Wide stripes	11-16 kg. (24.2-35.2 lb.)	► Red	Very-high vigor	Mid-to-late	► Oblong ► Very sweet
	Floriana	Wide stripes	11-16 kg. (24.2-35.2 lb.)	► Deep-red	High vigor	Late	► Oblong
	Odem	Drak green	9-12 kg. (19.8-26.5 lb.)	► Red		Very-early	► Oval
	ORS 11802	Drak green	11-13 kg. (24.3-28.6 lb.)	► Deep-red	High vigor	Early-to-mid	► Oblong ► Good taste ► High yielded Plant ► Small seeds
	ORS 11804	Wide stripes	10-13 kg. (22-28.6 lb.)	► Deep-red	High vigor	Late	► Elliptical ► Crispy flesh
	ORS 8401	Dark Green	9-11 kg. (19.8-24.3 lb.)	► Deep-red		Late	► Oval
	ORS 12842	Dark Green	8-10 kg. (17.6-22 lb.)	► Deep-red		Early-to-mid	► Round ► Very sweet
	Peleg	Green stripes	5-7 kg. (11-15.4 lb.)	► Deep-red		Early-to-mid	► Round-to-slightly-oval ► Medium size
Mini Fruits with Seeds							
	Edom Mountains <small>PBR</small>	Tiger stripes	2.8-3.2 kg. (6.1-7 lb.)	► Red		Early	► Round ► Good taste ► Excellent pollinizer for mini seedless dark-striped types ► small seeds
	Solomon Mountain <small>PBR</small>	Tiger stripes	4.7-5.3 kg. (10.3- 11.6 lb.)	► Red	High vigor	Mid	► Round ► Very strong plant
	Adir	Dark stripes	2.3-2.7 kg. (5-5.9 lb.)	► Deep-red		Early-to-mid	► Round ► Good taste
Personal Fruits with Seeds							
	Nanoor <small>PBR*</small>	Tiger stripes	1.8-2.2 kg. (3.9-4.8 lb.)	► Red		Very early spring till early summer	► Round to slightly oval ► Micro seeds
	Orininja <small>PBR</small>	Dark stripes	1.8-2.1 kg. (3.9-4.6 lb.)	► Red		Very early spring till early summer	► Round to slightly oval ► Micro seeds
	Caramella <small>PBR*</small>	Tiger stripes	2-2.4 kg. (4.4-5.2 lb.)	► Deep-red		Very early spring till early summer	► Round ► Micro seeds
Small Pollenizers							
	Ox	Pollenizer light grey (non-edible)	3-3.5 kg. (6.6-7.7 lb.)	► White-to-yellow			► Round ► High flowering level ► Big yellow flowers ► Non-edible
	Lion 9	Pollenizer dark stripes (non-edible)	1.3-1.8 kg. (2.8-3.9 lb.)	► White-to-yellow		Fon1, Px IR	► Round ► Good flowering level ► Non-edible
	Lion 10	Pollenizer light grey (non-edible)	200 g - 500 g. (0.4-1.1 lb.)	► White-to-yellow		Fon1, Px IR	► Round ► Good flowering level ► Non-edible
	110	Grey	3-3.4 kg. (6.6-7.4 lb.)	► Red ► Good flesh quality			► Round ► Good flowering level



Cultivation Techniques for Watermelon

Eyal Vardi, Ph.D

The watermelon (*Citrullus lanatus*) is native to the dry areas of tropical and sub-tropical Africa, south of the equator, therefore very demanding in terms of sunlight and temperature throughout the growing period.

Sowing and germination

The most common reasons for poor germination are over-watering and low temperatures. The minimum temperature for germination is 15°C (optimal is 25°C). For seedless varieties, the requirements are even higher at 28°-32°C with relative humidity of between 95-100%. During the first week in the greenhouse, water only in order to keep the growing medium wet.

Transplanting

For seedless, a pollinizer (seeded variety) must be present to achieve fruit set. A ratio of three triploids (seedless) plants to one diploid (seeded) plant is recommended. Choose a pollinizer with fruits that can be distinguished from the seedless fruits. It is important to choose a pollinizer cultivar that produces male flowers within the same time frame that the female flowers appear on the seedless plant.

Plant development

The minimum temperature for growth is about 12°-15°C, depending on the cultivar. Optimal temperature for vegetative development is between 15°-20°C at night and 25-35°C during the day.

A standard fertilization program per hectare is 120-180 Kg N, 150-200 Kg P₂O₅ and 150-220 Kg K₂. For grafted watermelon, the fertilization of P₂O₅ & K₂ is significantly less and must be adjusted according to local conditions. Watermelons grow best when soil pH is between 6-7.

In order to achieve the optimal fruit setting, it is recommended that the plants reach the pollination period in not too vigorous a state (by avoiding too much water and fertilizer).

Pollination and fruit development

Bees are essential to achieve pollination. Normally, one hive per acre is recommended. In order not to interfere with the activity of the bees, spraying should be done only with bee-friendly chemicals. Optimal temperature for pollination and fruit setting is 20°-25°C; temperatures up to 35°C are acceptable. For best fruit quality, there is an advantage to good exposure to sunlight. Fruits reach full maturity 35-45 days after setting in optimal conditions (15°-20°C at night and 25°-35°C during the day).

Disease control

Origene Seeds varieties have disease resistance to some pathogens.

Please see the catalog and find your own variety to protect your environment and soil.

Note: Origene Seeds offer you these recommendations for growing watermelons according to its knowledge and experience. These suggestions are general in nature and they will need to be adapted to different specific growing conditions.

*** Plant pathogen alert:

Please see the CGMMV Brochure on the ASTA website:

https://www.betterseed.org/wp-content/uploads/CGMMV_Growers_Guide_English_Update_March_2017v1.pdf





KNIFE FORZES



Melons

The story behind the wide range of melon fruit types in our catalogue begins with *Cucumis melo* L. species.

Our product line is very diverse and covers most of the worldwide melon segments such as Honey Dew, Charentais, Cantaloupe, Harper, Ananas, Yellow Canary, Piel De Sapo, Kirkgac and Galia. Each region in the world traditionally consumes different types of melon and Origene Seeds is developing these local melons for global consumption.

Each melon type is distinguishable by its rind color and texture, by its flesh color, by its taste and often by other special characteristics.

Origene Seeds has released new combination varieties such as Justin combining an orange cantaloupe flesh with a yellow skin color, giving both an excellent taste and long shelf-life.

Furthermore, we are proud to launch a new series of Honey Dew melon - such as Fresh Dew and Desert Dew - that combine vigorous plant with high quality fruits. Our Yellow Canary program contains a wide range of sizes and a unique taste.











Melons are rich in vitamin A, vitamin C, Potassium and fibers. Take a look and choose your own melon that will fit both your taste, your agricultural requirements and market needs.

Based on the traditional Galia types melons there is now a set of stunningly-attractive new hybrids, with netted rind and green flesh.



Gaya











Galia type. Round to slightly oval shape. Intermediate resistance to Powdery Mildew, to Fusarium oxisporum melonis races 0,1,2 and to MNSV.

				
Galia	Round-to-slightly-oval	1.5-1.8 kg. (3.3-3.9 lb.)	Green	Good
				
Strong	Fom 0,1,2, Px IR, MNSV	Main	Strong plant	Regular












Shir

Galia type. Round shape. Good flavor. Intermediate resistance to Powdery Mildew, to Fusarium oxisporum melonis races 0,1,2 and to MNSV.

				
Galia	Round	1.5-2 kg. (3.3-4.4 lb.)	Green	Good
				
Strong	Fom 0,1,2, Px IR, MNSV	Main	Good flavor, strong plant	Regular



FH2499

				
Galia	Round-to-slightly-oval	2.4 kg. (5.3 lb.)	Green	Very good
				
Regular		Late		Regular

Glory

Yellow-rind Galia type. Good flavor and small seed cavity. Long shelf-life. High-yielding plant with Intermediate resistance to Powdery Mildew, to Fusarium oxisporum melonis races 0,1,2 and to MNSV.



Galia Long Shelf-Life



Round



1.3 kg.
(2.8 lb.)



Green



Very good



Strong



Fom 0,1,2, Px IR,
MNSV



Main



High-yielded plant,
small seed cavity



Long





FH2666

Galia type. Lemon-green flesh. Small size fruit. Highly-vigorous plant.



Galia Long Shelf-Life



Round



1.25 kg.
(2.75 lb.)



Green



Very good



Strong



Fom 0,1,2, Px IR,
MNSV



Main



Small size fruit,
highly-vigorous
plant



Long



FH3185



Galia Long Shelf-Life



Round



1.6 kg.
(3.5 lb.)



Green



Very good



Strong,
high yield



Fom 0,2, Px IR,
MNSV



high-yielded plant



Long



FH3450



Galia Long Shelf-Life



Round



1.1 kg.
(2.4 lb.)



Green



Good



Regular



Fom 0,1,2, Px IR,
MNSV



High yielded plant



Long

Justin

Long shelf-life Cantaloupe. Yellow rind and orange flesh.
Medium netting.



Justin type



Round



1.5 kg. (3.3 lb.)



Orange



Very good



Strong



Fom 0,1,2, PxIR,
MNSV



Main



Yellow rind,
medium netting



Long





FH3031

Yellow Harper. The rind becomes yellow at maturation.



Justin type



Round



1.5 kg. (3.3 lb.)



Orange



Good



Regular



Fom 0,1, Px IR,
MNSV



Main



Cantaloupe type



Long



FH3556



Justin type



Round



1.4 kg. (3.1 lb.)



Orange



Very good



Regular



Fom 0,2, Px IR



Early



High yielded plant













Long

The most popular type of orange-fleshed melon. Rich with vitamin C and Manganese. Most Cantaloupe varieties are late maturing.



Restart











Cantaloupe Harper type. Orange flesh. Highly-vigorous plant. Intermediate resistance to Powdery Mildew and to Fusarium oxisporum melonis races 0, 1.

				
Cantaloupe	Round-to-slightly-oval	1.5 kg. (3.3 lb.)	Orange	Good
				
Strong	Fom 0,1, Px IR	Main-late	Cantaloupe-harper type, high-yielded plant	Long



8H211











Cantaloupe type, round shape.

				
Cantaloupe	Round	1.7 kg. (3.7 lb.)	Orange	Very good
				
Strong	Fom 2, Px IR	Early-main		Long



8H265











Italian Charentais.

				
Cantaloupe	Round-to-slightly-oval	1.6 kg. (3.5 lb.)	Orange	Very good
				
Regular	Fom 0,1, Px IR	Main	Italian Charentais	Long






8H289

 Cantaloupe	 Round-to-slightly- oval	 2.3 kg. (5.1 lb.)	 Orange	 Very good
 Regular	 Fom 1,2	 Early		 Regular













8H363

 Cantaloupe	 Round	 1.9 kg. (4.2 lb.)	 Orange	 Good
 Regular	 Fom 2, Px IR			 Long



8H424

 Cantaloupe	 Round	 1.3 kg. (2.8 lb.)	 Orange	 Very good
 Regular	 Fom 1,2	 Early		 Regular



8H403



Golden cantaloupe



Round-to-slightly-oval



1.7 kg.
(3.7 lb.)



Orange



Very good



Regular



Fom 2, Px IR



Early



Long



8H405



Golden cantaloupe



Round-to-slightly-oval



1.9 kg.
(4.2 lb.)



Orange



Very good



Regular



Fom 2, Px IR



Early



Long





Morning Fresh!

Take a look and choose your own Honey Dew from
Origene Seeds new Morning Fresh collection.

A melon that will fit both your taste, your agricultural and market needs.
Melons are rich in vitamin A, vitamin C, Potassium and fibers.

Green-to-yellow smooth rind with classic green flesh. New special hybrids with orange flesh. In harvesting attention should be paid to rind color change.



Country Dew



Honey Dew



Round



2.5-3 kg.
(5.5-6.6 lb.)



Light-green



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good

Fresh Dew



Honey Dew



Round



2.5-3 kg.
(5.5-6.6 lb.)



Light-green



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good





HD2

Early season Honey Dew, tasty melon. Big round fruit, strong plant, adaptable for cold weather.



Honey Dew



Round



3.5-4.5 kg.
(7.7-8.8 lb.)



Light-green



Good



Very strong



Fom 0,2, Px IR



Early



Early maturig, big size



Good



River Dew



Honey Dew



Round



2-3 kg.
(4.4-6.6 lb.)



Light-green



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good



HD84

Big fruit. Good setting, vigorous plant. Good flavor.



Honey Dew



Round



2.5-3.5 kg.
(5.5-7.7 lb.)



Light-green



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good



HD103



Honey Dew



Round



2.5-3 kg.
(5.5-6.6 lb.)



Light-green



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good

HD132



Honey Dew



Round



2-2.5 kg.
(4.4-5.5 lb.)



Light-gree



Good



Strong



Fom 0,2, Px IR



Main



Medium size



Good



HD141



Honey Dew



Round



2-2.5 kg.
(4.4-5.5 lb.)



Light-gree



Good



Strong



Fom 0,2, Px IR



Main













Medium size



Good













Desert Dew

				
Yellow Honey Dew	Round-to-slightly-oval	2-3 kg. (4.4-6.6 lb.)	Light-green	Good
				
Strong	Fom 0,2, Px IR	Main	Medium size	Good













Luz (YHD251)

				
Yellow Honey Dew	Round-to-slightly-oval	1.8-2.2 kg. (3.9-4.8 lb.)	White	Very good & sweet, unique taste
				
Good	Fom 0,2, Px IR	Main		Good



YHD482

				
Yellow Honey Dew	Round	1.4-1.8 kg. (3.0-3.9 lb.)	White	Very good & sweet, unique taste
				
Good	Fom 0,2, Px IR	Main		Good



Y77



Yellow Canary



Oblong



1.8-2.2 kg.
(3.9-4.8 lb.)



White



Good



Strong



Fom 0,2, Px IR



Main



Very good setting



Very good

Y144



Yellow Canary



Oblong



2-2.2 kg.
(4.4-4.8 lb.)



White



Good



Strong



Fom 0,2, Px IR



Late



Very good



Very good

Lennon



Yellow Canary



Oblong



2.5-3 kg.
(5.5-6.6 lb.)



White



Good



Very strong



Fom 0,2, Px IR



Early



Very good



Very good



Y238



Yellow Canary



Oblong



3-4 kg.
(6.6-8.8 lb.)



White



Good



Strong



Fom 0,1,2, Px IR



Main



Very big size, good
setting



Very good



Y281



Yellow Canary



Oblong



3-4 kg.
(6.6-8.8 lb.)



White



Very good taste



Strong



Fom 0,1,2, Px IR



Main



Very big size, good
setting



Very good



Y390



Yellow Canary



Oblong



1.8-2.2 kg.
(3.9-4.8 lb.)



White



Good



Strong



Fom 0,2, Px IR



Main



Very good setting



Very good



9H442



Yellow canary



Oblong



1.1 kg.
(2.4 lb.)



Orange



Very good



Regular



Fom 1



Early



Long





Leshem

This orange-fleshed melon Leshem is early maturing and is suitable for sowing from early spring till early summer. The taste is excellent as a result of good sugar accumulation. The plant is resistant to Fusarium 0,1,2 and has intermediate resistance to Powdery Mildew.



Ananas



Oblong



2-2.5 kg. (4.4-5.5 lb.)



Orange



Excellent



Strong



Fom 0,1,2, Px IR



Very early-early



High setting, for open field



Good



AN370

This large-fruited cream flesh melon AN 370 is suitable for sowing from spring till early summer. The taste is excellent as a result of good sugar accumulation and the fruit has a good aroma.

The plant is resistant to Fusarium 0,1,2 and has intermediate resistance to Powdery Mildew.



Ananas



Oblong



2.5-3.5 kg. (5.5-7.7 lb.)



Cream



Excellent, good aroma



Strong



Fom 0,1,2, Px IR



Very early-early



High setting, for open field













Regular














Pearlina

 Pearlina	 Oblong	 2.5-3 kg. (5.5-6.6 lb.)	 Orange	 Excellent
 Regular		 Early-Main	 Extended field shelf-life	 Long













Prince

 Pearlina	 Oblong	 2.5-3 kg. (5.5-6.6 lb.)	 Orange	 Excellent
 Regular		 Late	 Extended shelf-life	 Good



ORS 2263

 Pearlina	 Oblong	 1.5-2.5 kg. (3.3-5.5 lb.)	 Orange	 Very good
 Regular		 Early-Main	 Pearl rind color with sutures	 Long



Gabriel

Charentais



Specialty
Charentais



Round-to-slightly-
oval



1.5 kg.
(3.3 lb.)



Orange



Good



Strong



Fom 0,1,2, Px IR,
MNSV



Main



Yellow rind with
sutures



Regular



Silk

Smooth-rind melon.



Specialty



Round-to-slightly-
oval



1.1 kg. (2.4 lb.)



Orange



Very good



Regular



Fom 0,1,2, Px IR



Early



Smooth-rind
melon



Regular



ORS 1201

Sweet-and-Sour taste melon.



Specialty



Round



1.2 kg. (2.6 lb.)



Green



Sweet-sour





















Fom 0,1,2, Px IR





















Sweet-and-Sour
taste





















Melon Summary Table













Variety	Season	Flesh	Shape	Size	Shelf-life	Tolerance	Comments
Galia							
	Gaya	Main	Green	Round to slightly oval	1.5-1.8 kg. (3.3-3.9 lb.)	Regular	Fom 0,1,2, Px IR, MNSV ▶ Good taste ▶ Strong plant
	Shir	Main	Green	Round	1.5-2 kg. (3.3-4.4 lb.)	Regular	Fom 0,1,2, Px IR, MNSV ▶ Good flavor ▶ Strong plant
	Dalia		Green	Round	1.8 kg. (3.9 lb.)	Regular	▶ Very good taste
	Gili	Early	Green	Round to slightly oval	2.2 kg. (4.8 lb.)	Regular	▶ Very good taste ▶ Strong plant
	Arava	Early-to-main	Green	Round	1.8 kg. (3.9 lb.)	Regular	Px IR ▶ Very good taste ▶ Good and strong aroma
	FH2499	Late	Green	Round to slightly oval	2.4 kg. (5.3 lb.)	Regular	▶ Very good taste
	GG6	Late	Orange	Round	2.7 kg. (5.9 lb.)	Regular	Fom 0,1,2, Px IR ▶ Very good taste ▶ Strong plant
	GG9	Late	Orange	Round	2.4 kg. (5.3 lb.)	Extended	Fom 1, Px IR ▶ Very good taste ▶ Strong plant
Galia Long Shelf-Life							
	Glory	Main	Green	Round	1.3 kg. (2.8 lb.)	Long	Fom 0,1,2, Px IR, MNSV ▶ Very good taste ▶ small seed cavity ▶ High-yielded and strong plant
	FH2666	Main	Green	Round	1.25 kg. (2.75 lb.)	Long	Fom 0,1,2, Px IR, MNSV ▶ Very good taste ▶ Small size fruit,Strong plant ▶ Highly vigorous plant
	FH3185		Green	Round	1.6 kg. (3.5 lb.)	Long	Fom 0,2, Px IR, MNSV ▶ Very good taste ▶ High-yielded and strong plant
	FH3445		Green	Round to slightly oval	2 kg. (4.4 lb.)	Long	Fom 0,1, Px IR, MNSV ▶ Good taste ▶ High yielded
	FH3450		Green	Round	1.1 kg. (2.4 lb.)	Long	Fom 0,1,2, Px IR, MNSV ▶ Good taste ▶ High yielded
	FH3649		Green	Round to slightly oval	1.8 kg. (3.9 lb.)	Long	Fom 0,1,2, Px IR, MNSV ▶ Very good taste ▶ High yielded
Justin type							
	Justin	Main	Orange	Round	1.5 kg. (3.3 lb.)	Long	Fom 0,1,2, PxIR, MNSV ▶ Very good taste ▶ Medium netting ▶ Strong plant ▶ Yellow rind
	FH3031	Main	Orange	Round	1.5 kg. (3.3 lb.)	Long	Fom 0,1, Px IR, MNSV ▶ Good taste ▶ Cantaloupe type
	FH3542		Orange	Round	1.7 kg. (3.7 lb.)	Long	Fom 0,1,2, Px IR, MNSV ▶ Very good taste
	FH3556	Early	Orange	Round	1.4 kg. (3.1 lb.)	Long	Fom 0,2, Px IR ▶ Very good taste ▶ High yielded

Cantaloupe								
	Restart	Main-late	Orange	Round to slightly oval	1.5 kg. (3.3 lb.)	Long	Fom 0,1, Px IR	▶ Good taste ▶ Cantaloupe-harper type ▶ High-yielded and strong plant
	8H211	Early-main	Orange	Round	1.7 kg. (3.7 lb.)	Long	Fom 2, Px IR	▶ Very good taste ▶ Strong plant
	8H247	Early	Orange	Round to slightly oval	1.6 kg. (3.5 lb.)	Long	Fom 2, Px IR	▶ Good taste ▶ Strong plant
	Chinook	Early	Deep-orange	Round to slightly oval	2.3 kg. (5.1 lb.)	Long	Fom 1,2, Px IR	▶ Good taste
	8H289	Early	Orange	Round to slightly oval	2.3 kg. (5.1 lb.)	Regular	Fom 1,2	▶ Very good taste
	8H311		Orange	Round	2.3 kg. (5.1 lb.)	Long	Fom 1,2, Px IR	▶ Very good taste
	8H363		Orange	Round	1.9 kg. (4.2 lb.)	Long	Fom 2, Px IR	▶ Good taste
	8H397		Orange	Round to slightly oval	1.5 kg. (3.3 lb.)	Long	Fom 2, Px IR	▶ Very good taste
	8H424	Early	Orange	Round	1.3 kg. (2.8 lb.)	Regular	Fom 1,2	▶ Very good taste
	8H265	Main	Orange	Round to slightly oval	1.6 kg. (3.5 lb.)	Long	Fom 0,1, Px IR	▶ Very good taste ▶ Italian Charentais
	8H300	Late	Orange	Round to slightly oval	2.1 kg. (4.6 lb.)	Long	Fom 2, Px IR	▶ Good taste ▶ Italian Charentais ▶ High yielded and strong plant
	8H312	Early	Orange	Round to slightly oval	2.6 kg. (5.7 lb.)	Long	Fom 2, Px IR	▶ Good taste ▶ Italian Charentais ▶ High yielded
Golden Harper Cantaloupe								
	8H403	Early	Orange	Round to slightly oval	1.7 kg. (3.7 lb.)	Long	Fom 2, Px IR	▶ Very good taste
	8H405	Early	Orange	Round to slightly oval	1.9 kg. (4.2 lb.)	Long	Fom 2, Px IR	▶ Very good taste
	8H430	Early	Orange	Round	1.9 kg. (4.2 lb.)	Long	Fom 2	▶ Very good taste
Honey Dew								
	HD2	Early	Light-green	Round	3.5-4.5 kg. (7.7-8.8 lb.)	Good	Fom 0,2, Px IR	▶ Good taste ▶ Big size ▶ Very strong plant ▶ Early maturing
	River Dew	Main	Light-green	Round	2-3 kg. (4.4-6.6 lb.)	Good	Fom 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
	HD84	Main	Light-green	Round	2.5-3.5 kg. (5.5-7.7 lb.)	Good	Fom 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant

(Continued on page 51)

Melon Summary Table (Continued)

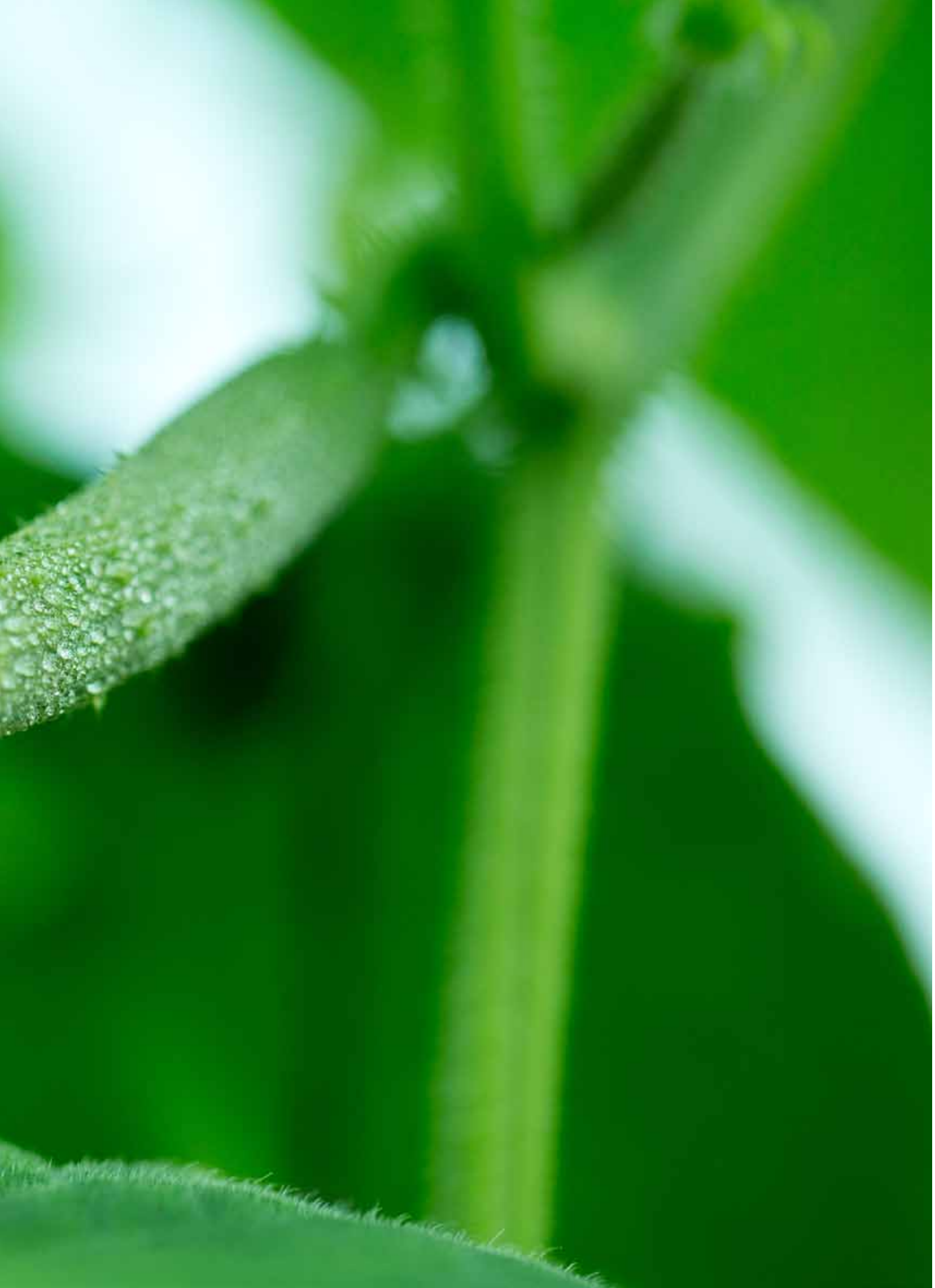
Variety	Season	Flesh	Shape	Size	Shelf-life	Tolerance	Comments
 Country Dew	Main	Light-green	Round	2.5-3 kg. (5.5-6.6 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
 HD103	Main	Light-green	Round	2.5-3 kg. (5.5-6.6 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
 Fresh Dew	Main	Light-green	Round	2.5-3 kg. (5.5-6.6 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
 HD132	Main	Light-green	Round	2-2.5 kg. (4.4-5.5 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
 HD141	Main	Light-green	Round	2-2.5 kg. (4.4-5.5 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
Yellow Honey Dew							
 Desert Dew	Main	Light-green	Round to slightly oval	2-3 kg. (4.4-6.6 lb.)	Good	Form 0,2, Px IR	▶ Good taste ▶ Medium size ▶ Strong plant
 Y251	Main	White	Round to slightly oval	1.8-2.2 kg. (3.9-4.8 lb.)	Good	Form 0,2, Px IR	▶ Very good and sweet ▶ Unique taste ▶ Good plant
 Y482	Main	White	Round	1.4-1.8 kg. (3.1-3.9 lb.)	Good	Form 0,2, Px IR	▶ Very good and sweet ▶ Unique taste ▶ Good plant
Yellow Canary							
 Y77	Main	White	Oblong	1.8-2.2 kg. (3.9-4.8 lb.)	Very good	Form 0,2, Px IR	▶ Good taste ▶ Very good setting ▶ Strong plant
 Y144	Late	White	Oblong	2-2.2 kg. (4.4-4.8 lb.)	Very good	Form 0,2, Px IR	▶ Good taste ▶ Strong plant
 Lennon	Early	White	Oblong	2.5-3 kg. (5.5-6.6 lb.)	Very good	Form 0,2, Px IR	▶ Good taste ▶ Very strong plant
 Y238	Main	White	Oblong	3-4 kg. (6.6-8.8 lb.)	Very good	Form 0,1,2, Px IR	▶ Good taste ▶ Good setting ▶ Strong plant ▶ Very big size
 Y281	Main	White	Oblong	3-4 kg. (6.6-8.8 lb.)	Very good	Form 0,1,2, Px IR	▶ Very good taste ▶ Good setting ▶ Strong plant ▶ Very big size
 Y390	Main	White	Oblong	1.8-2.2 kg. (3.9-4.8 lb.)	Very good	Form 0,2, Px IR	▶ Good taste ▶ Very good setting ▶ Strong plant
 Y465		White	Oblong	1.8-2.2 kg. (3.9-4.8 lb.)		form 0,2, Px IR	▶ Good taste ▶ Strong plant
 Y532	Main	White	Oblong	3-4 kg. (6.6-8.8 lb.)	Very good	Form 0,2, Px IR	▶ Good taste ▶ Good setting ▶ Strong plant ▶ Very big size
 Y540	Main	White	Oblong	3-3.5 kg. (6.6-7.7 lb.)	Very good	Form 0,1,2, Px IR	▶ Good taste ▶ Good setting ▶ Strong plant ▶ Very big size ▶ Wrinkle
 Y542	Main	White	Oblong	3-4 kg. (6.6-8.8 lb.)	Very good	Form 0,1,2, Px IR	▶ Good taste ▶ Good setting ▶ Strong plant ▶ Very big size

	Y543	Main	White	Oblong	3-4 kg. (6.6-8.8 lb.)	Very good	Form 0,1,2, Px IR	<ul style="list-style-type: none"> ▶ Good taste ▶ Good setting ▶ Strong plant ▶ Very big size ▶ Wrinkle
	Y1236	mid-late	white	Oblong	3-4 kg. (6.6-8.8 lb.)	Long		<ul style="list-style-type: none"> ▶ Very good taste ▶ Strong plant ▶ Strong vigor
	9H442	Early	Orange	Oblong	1.1 kg. (2.4 lb.)	Long	Form 1	<ul style="list-style-type: none"> ▶ Very good taste
Ananas								
	Leshem	Very early-early	Orange	Oblong	2-2.5 kg. (4.4-5.5 lb.)	Good	Form 0,1,2, Px IR	<ul style="list-style-type: none"> ▶ Excellent taste ▶ For open field ▶ Strong plant ▶ High setting
	AN370	Very early-early	Cream	Oblong	2.5-3.5 kg. (5.5-7.7 lb.)	Regular	Form 0,1,2, Px IR	<ul style="list-style-type: none"> ▶ Excellent taste ▶ High setting ▶ Strong plant ▶ good aroma ▶ For open field
	AN387	Very early-early	Cream	Oblong	2-2.5 kg. (4.4-5.5 lb.)	Regular	Form 0,1,2, Px IR	<ul style="list-style-type: none"> ▶ Very good taste ▶ Strong plant
Pearlina								
	Pearlina	Early-Main	Orange	Oblong	2.5-3 kg. (5.5-6.6 lb.)	Long		<ul style="list-style-type: none"> ▶ Excellent taste ▶ Extended field shelf-life
	Prince	Late	Orange	Oblong	2.5-3 kg. (5.5-6.6 lb.)	Good		<ul style="list-style-type: none"> ▶ Excellent taste ▶ Extended shelf-life
	ORS 2263	Early-Main	Orange	Oblong	1.5-2.5 kg. (3.3-5.5 lb.)	Long		<ul style="list-style-type: none"> ▶ Very good taste ▶ Pearl rind color with sutures
Specialty								
	Gabriel	Main	Orange	Round to slightly oval	1.5 kg. (3.3 lb.)	Regular	Form 0,1,2, Px IR, MNSV	<ul style="list-style-type: none"> ▶ Good taste ▶ Yellow rind with sutures ▶ Strong plant
	Silk	Early	Orange	Round to slightly oval	1.1 kg. (2.4 lb.)	Regular	Form 0,1,2, Px IR	<ul style="list-style-type: none"> ▶ Very good taste ▶ Smooth-rind melon
	ORS 1201		Green	Round	1.2 kg. (2.6 lb.)		Form 0,1,2 Px IR	<ul style="list-style-type: none"> ▶ Sweet-sour





CUCUMBERS





FR
RH-02752
HT

Cucumbers

The story of cucumber types in our catalog begins with the species *Cucumis sativus* L. that originated in India more than 3000 years ago and is considered as one of the ancient crops grown in controlled environments.

Today, Cucumber is a very developed crop, of a great economic importance and with a great diversity in types such as Bet Alpha, Slicer, Baby and Dutch. Each type is distinguishable by its fruit characteristics such as length, color and texture, its plant structure and flowering habit, its main growing seasons and by many other properties.

Origene's breeding work is focused on varieties tolerant to diseases such as Powdery Mildew and Downy Mildew with high agronomic performances.

One of our newly- released varieties is the Bet Alpha type Vered – with very uniform fruits adapted to early spring and autumn and early Winter plantings.



Maya



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, very uniform



16-18 cm.



Medium vigor, no lateral branches, female sex expression, semi-multi flowering per node



Px IR



Spring



Vered



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, very uniform



16-19 cm.



Strong plant, no lateral branches, Semi multi-flowering



Px IR



Early spring, autumn



Laila



Green color, parthenocarpic for greenhouse cultivation



Cylindrical, uniform shape



16-18 cm.



Strong plant, no lateral branches, one flower per node



Px IR



Late autumn and winter





Irit



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, uniform



16-18 cm.



Strong plant, no lateral branches, semi multi-flowering



Px IR



Spring and early autumn



ORS 6022



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, uniform



16-18 cm.



Strong plant, no lateral branches, semi multi-flowering



Px IR



Spring and early autumn





Inga



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, uniform



30-35 cm.



Strong plant, no lateral branches, one flower per node



Px IR, CYSDV IR



Late autumn winter



Dutch

ORS 8868



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, very uniform



10-12 cm.



Medium vigor, no lateral branches, Multi-flowering



Px IR



Spring



Baby



ORS 8884



Dark-green color, parthenocarpic for greenhouse cultivation



Cylindrical, very uniform



10-12 cm.



Medium vigor, no lateral branches, Multi flowering



Px IR



Spring and early autumn



Baby



PUMPKINS



Pumpkins

We at Origene seeds are proud to offer a unique array of winter Squash, Pumpkins & Ornamental Gourds, encompassing an astonishing diversity of sizes, shapes and colors, for a broad spectrum of culinary and ornamental uses.

The Winter Squash and Pumpkins that we offer are of the highest eating quality. They differ from one another in size, in shape, as well as in flavor and in texture of the fruit flesh, adapting them to a very wide range of culinary preparations.

The ornamental collection, Pumpkins and Gourds, have fostered wonder, inspired colorful stories and myths; and is associated, metaphorically and also in fact, with sensuality, fertility and the abundance and warmth of summer. Every house and garden are enhanced by decoration with Ornamentals, Pumpkins and Gourds, with their array of sizes, shapes, intense colors and colors patterns.



Table Sugar

Cucurbita pepo, Acorn Group

Table Sugar is a hybrid acorn squash with a bush growth habit, excellent crown set and tolerance to Powdery Mildew which affords good cover to the developing fruits until they ripen. The fruits of Table Sugar are turbinate, slightly flattened, with obvious longitudinal furrows and ridges, are small, averaging **400 g (0.9 lb.)**. The exterior is an attractive glossy black green, thus retaining the green color longer than the regular dark green acorn squash.

The fruit flesh is orange-yellow, smooth and melting, with a roasted-chestnut flavor, **averaging 13–14% soluble solids** (compared to 7–8% in classical varieties). For utmost quality, the fruits should be picked when completely ripe, 50 days after anthesis when the ground spot is intense orange, approximately 110 days after sowing.



Table Confection

Cucurbita pepo, Acorn Group

Table Confection is a new hybrid acorn squash of ultimate quality. Plants of Table Confection have a bush growth habit, a strong crown set and some resistance to Powdery Mildew, providing good cover for the developing fruits. The fruits of Table Confection have the classic acorn-squash turbinate shape, with strong ridges and deep furrows; and average **nearly 900 g (2 lb.) in weight**.

The fruit exterior is an attractive glossy black green, retaining this color for quite some time in storage. The fruit-flesh is thick, smooth and melting, orange-yellow, with a roasted-chestnut flavor and very sweet, averaging **13% soluble solids** (compared to 7–8% classical varieties), overall ranked as the highest in eating quality. For ensuring this utmost quality, the fruits should be picked when completely ripe, 50 days after anthesis or when the ground spot is intense orange, approximately 110 days after sowing.



Orangetti

Cucurbita pepo, Vegetable Marrow Group, spaghetti squash

Orangetti, the original orange spaghetti squash, is intense orange inside and out, with a contrasting black-green stem. Orangetti is oval and rather small, averaging 900 g (2 lb.). The plants are semi-bush, making for easy field management, early maturing and high yielding. Upon cooking, the fruit flesh of Orangetti breaks down into spaghetti-like strands which can be cooked and eaten like spaghetti as a low-calorie side dish. The intense orange “spaghetti” of Orangetti is slightly sweet and has 15 times the carotenoid content of regular spaghetti squash.



Kitchen Queen

Cucurbita maxima, Buttercup Group

Kabocha type, oblate, dark-green rind, with remarkable quality.



Butternut

Cucurbita, Moschata Neck Group

A collection of butternut squash: Fruits are bell-shaped, all the seeds are situated in the round base. The buff-colored rind is not lignified and the flesh is intense orange and sweet. The fruits can be baked in two slices with the rind, and also used in soup.



Ruan

Small fruit size 600 g. (1.3 lb.).

Orange flesh, small seed cavity, high yield, very strong plant.



Hermana

Small to medium fruit size 750 g. (1.6 lb.).

Orange flesh, small seed cavity, high yield, very strong plant.



Viola

Large fruit 1.4 kg. (3 lb.).
Orange flesh, small seed cavity, high yield, very strong plant,
Suitable for processing.



Binario

Striped, large fruit 1.4 kg. (3 lb.).
Orange flesh, small seed cavity, high yield, very strong plant,
Suitable for processing.



Tinkerbell

Cucurbita maxima, Australian Blue Group

Medium fruit size, 6 kg. (13.2 lb.),

Globular to oblate with well-marked longitudinal furrows, light blue-gray rind with orange flesh of excellent quality,

Long shelf-life.



Shlomit

Cucurbita maxima

Medium fruit size, 6 kg. (13.2 lb.),

Globular, with a white rind, orange and firm flesh,

Good shelf-life.



Adi

Cucurbita maxima

Medium fruit size, 6 kg. (13.2 lb.),

Oblate, with an intense orange rind and rather soft Orange flesh with **good flavor.**



Minipum

Cucurbita pepo, Pumpkin Group

A semi-bush version of the heirloom Winter Luxury. The fruits are globular to slightly oblate, rather small, 2.5 Kg. (6 lb.). Intensely orange with a delicate lace-like netting. The flesh is thick, intense orange, smooth and sweet, of superb quality. Minipum fruits can be baked whole, stuffed, and are ideal for making pumpkin pie. The semi-bush growth habit of Minipum makes for easier field management.



Lindo

Cucurbita pepo, Pumpkin Group

Small fruit size, 1 kg. (2.2 lb.),

Oblate, intense orange pumpkin, with dark, thick peduncle and good quality.



Qesem

Cucurbita pepo, Pumpkin Group

Halloween-type pumpkin

These pumpkins are well-adapted for carving. The fruit are fairly large, 8-10 kg. (18-22 lbs.). Ranging from spherical to globular to nearly oblate, deep orange, with a black-green, firm, strong, but not too thick peduncle ("handle"). Qesem appears almost magical in the field as the plants are semi-bush and the fruits set early, near the crown of the plant; and hence are placed near the center of the row for easy field management and harvest.

Midi, Junior, Mini

Cucurbita pepo, Acron Group

Halloween-type pumpkin

Midi has medium-size fruits, averaging approximately **6 kg. (13–14 lb.)**

Junior is slightly smaller, fruits averaging **3 kg. (6–7 lb.)**

Mini has small fruits, averaging only **1 kg. (2 lb.)**





Barbur

Barbur

Cucurbita pepo, Ovifera Gourd Group



Fruits resemble miniature swans,
Their rinds are quadricolor – having four colors (dark & light-green, intense
& light-yellow) – as they combine bicolor variegation with striping.



Tenedor

Tenedor

Cucurbita pepo, Pepo Gourd Group

Small, oblate fruits with very attractive, bold broad dark green stripes alternating
with narrow intense orange stripes, long shelf-life.



Kipi

Kipi

Cucurbita pepo, Warted Gourd Group

Small, oblate fruits, orange with dark green warts, long shelf-life.



SQUASH



Squash

Squash at Origene Seeds is based on the Cucurbita pepo Family, widely found in nature with very diverse colors, a wide range of shapes and agronomically suited to a very extended range of growing areas.

We at Origene Seeds have chosen to focus on developing varieties in the main segments of Zucchini and Mediterranean (light green) types.

Furthermore, we focus on the unique and the special with added-value that offers growers suitable products for niche markets as well as a solution - such as the variety Oren - for cultivation in challenging growing seasons.



Ofeq



Cucurbita pepo,
Zucchini group.
Glossy dark-green
rind



Cylindrical



Bushy, open, nearly
spineless and high-
yielding



Long, narrow
peduncle and a
small blossom scar



Long



Goldy



Cucurbita pepo,
Zucchini group,
golden type. Shiny
yellow rind



Cylindrical



Bushy, open, non-
branching, nearly
spineless plant



Eazy to pick. High
level of carotenoids



Long



Aroma



Cucurbita pepo,
Cocozelle group.
Olive rind with
wide dark stripes



Long



Open



Good for picking
with the flower
attached to the
fruit, Special rich
flesh flavor



Long



Egoz



Cucurbita pepo, vegetable marrow group. Light-green rind



Short and tapered cylindrical



Open, non-branching, very strong vigor and high and high-yielding



PM IR



Can be cooked as a stuffing



Long



Oren



Cucurbita pepo, Cocozelle group. Olive rind



Cylindrical and regular fruit



Vigorous, bushy and high-yielding



PM & ZYMV IR



Suitable for summer planting



Keep darker color under different conditions



Long



Og



Cucurbita pepo, Cocozelle group. Shiny light-green rind



Cylindrical and regular fruit



Compact



PM & ZYMV IR



Suitable for winter and early spring planting



Long





ORS 1306



Cucurbita pepo.
Shiny light-green
rind



Regular fruit



Vigorous, open
plant



PM & ZYMV IR



Suitable for winter
and early spring
planting



D134



Cucurbita pepo.
Very shiny light-
green rind



Very short and
tapered cylindrical



Open plant



PM & ZYMV IR



Suitable for winter
and early spring
planting



Gresson & Yona



Cucurbita pepo,
scallop group.
Pâtisson green
type. Intense
green/ yellow and
glossy rind



Scalloped, flat star



Open, early and
high-yielding



Firm flesh. Can be
cooked as a stuffing,
a good source of
vitamins A, C, B6,
folate, Magnesium,
potassium and fibers

PEPPERS





Peppers

These small, thumb-sized peppers contribute to the new trend of consuming vegetables in our dynamic world. Grab & Go peppers are highly nutritious and are a convenient way to nourish your loved ones when they are at work, at school or 'on the go'.

We at Origene Seeds are breeding a series of three colors of Sweet Drops pepper – Red, Orange and Yellow.

The growing plants are suited to Spanish trellising, for open field and for protected conditions, with moderate and balance plant vigor, and have early fruit setting.



Sweet Rose

Intense red color; fruit length of 8 cm.; high yielding; very good shelf-life.



Sweet Ginger

Orange color; fruit length of 8 cm.; high yielding; vigorous plant; good shelf-life.



Sweet Light

Intense yellow color; fruit length of 8 cm.; high yielding; good shelf-life.



TOMATOES



Tomatoes

Tomato is the world's most important fruiting vegetable. Originating from the American Continent, tomato today is grown and consumed in every country of the world.

In accordance with the worldwide trend of promoting the health aspects of food, we at Origene Seeds have chosen to focus on a line of special products segment. The excellent flavor of our varieties is characterized by an accurate balance between sugars and acid that contribute to a unique taste. The fruit size and shape of the tomato render it the ideal snack for kids (taken in the school lunchbox), as well as an essential ingredient of fresh and cooked salads.

Karin



Cherry cluster
Round



Glob



25 g.



Red



Good taste,
6.5% TSS



Indeterminante
plant, very short
internodes



HR: Va,Vd,ToMV,
Fol 1-2
IR: Mi,Ma,Mj



Fall



Firm fruit with
Green Shoulder,
high tolerance to
cracking



Extremely long

ORS 1406



Cherry mini plum



Elongate



30 g.



Red



Good taste,
6% TSS



Indeterminante
plant, short
internodes,
very balanced
plant, good
continuousness



HR: Va,Vd, Fol 1-2,
ToMV, TSWV
IR: TYLCV, Ma, Mi, Mj



Fall



Very elongate
fruit, good fruit
size, firm fruit with
Green Shoulder,
high tolerance to
cracking



Very good

ORS 1409



Cherry mini plum



Oval



20 g.



Red



Good taste,
7.5% TSS



Indeterminante
plant, short
internodes



HR: Fol 1-2, ToMV,
IR: TYLCV



Fall



Good hot setting,
for loose or cluster
harvest, uniform
green shoulder



Very good



ORS 1403



Midi plum



Elongate



50 g.



Red



6% TSS



Indeterminante
plant, very vigorous
plant



HR: Va, Vd, Fol 1-2,
ToMV
IR: TYLCV,
Ma, Mi, Mj,



Fall



Cocktail plum for
cluster harvest,
uniform green
shoulder, firm fruit



Very good



Recommended Codes for Pest Organisms in Vegetable Crops*

Citrullus lanatus (Watermelon)		
Scientific name	English common name	Code
Viruses		
<i>Cucumber vein yellowing virus</i>	Cucumber vein yellowing	CVYV
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Papaya ringspot virus</i>	Papaya ringspot	PRSV
<i>Squash leaf curl virus</i>	Squash leaf curl	SLCV
<i>Watermelon mosaic virus</i>	Watermelon mosaic	WMV
<i>Zucchini yellow mosaic virus</i>	Zucchini yellow mosaic	ZYMV
Fungi		
<i>Colletotrichum orbiculare</i>	Anthrachnose	Co
<i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	Fusarium wilt	Fon
<i>Podosphaera xanthii</i>	Powdery mildew	Px
Cucumis melo (Melon)		
Scientific name	English common name	Code
Viruses		
<i>Cucumber green mottle mosaic virus</i>	Cucumber green mottle	CGMMV
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Cucumber vein yellowing virus</i>	Cucumber vein yellowing	CVYV
<i>Cucurbit yellow stunting disorder virus</i>	Cucurbit yellow stunting disorder	CYSDV
<i>Melon necrotic spot virus</i>	Melon necrotic spot	MNSV
<i>Moroccan watermelon mosaic virus</i>	Moroccan watermelon mosaic	MWMV
<i>Papaya ringspot virus</i>	Papaya ringspot	PRSV
<i>Squash leaf curl virus</i>	Squash leaf curl	SLCV
<i>Squash mosaic virus</i>	Squash mosaic	SqMV
<i>Watermelon mosaic virus</i>	Watermelon mosaic	WMV
<i>Zucchini yellow mosaic virus</i>	Zucchini yellows	ZYMV
Fungi		
<i>Golovinomyces cichoracearum</i>	Powdery mildew	Gc
<i>Fusarium oxysporum</i> f. sp. <i>melonis</i>	Fusarium wilt	Fom
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
<i>Podosphaera xanthii</i>	Powdery mildew	Px
Insects		
<i>Aphis gossypii</i>	Cotton aphid	Ag
Cucumis sativus (Cucumber)		
Scientific name	English common name	Code
Viruses		
<i>Beet pseudo yellowing virus</i>	Beet pseudo yellows virus	BPYV
<i>Cucumber green mottle mosaic virus</i>	Cucumber green mottle	CGMMV
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Cucumber vein yellowing virus</i>	Cucumber vein yellowing	CVYV
<i>Cucurbit yellow stunting disorder virus</i>	Cucurbit yellow stunting disorder	CYSDV
<i>Kyuri green mottle mosaic virus</i>	Cucumber green mottle	KGMMV
<i>Papaya ringspot virus</i>	Papaya ringspot	PRSV
<i>Squash leaf curl virus</i>	Squash leaf curl	SLCV
<i>Watermelon mosaic virus</i>	Watermelon mosaic	WMV
<i>Zucchini yellow mosaic virus</i>	Zucchini yellows	ZYMV
Bacteria		
<i>Erwinia tracheiphila</i>	Bacterial wilt	Et
<i>Pseudomonas syringae</i> pv. <i>lachrymans</i>	Angular leaf spot	PsI
Fungi		
<i>Cladosporium cucumerinum</i>	Scab and gummosis	Ccu
<i>Colletotrichum orbiculare</i>	Anthrachnose	Co
<i>Corynespora cassiicola</i>	Corynespora blight and target spot	Cca
<i>Golovinomyces cichoracearum</i>	Powdery mildew	Gc
<i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i>	Fusarium wilt	Foc
<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	Fusarium crown and root rot	For
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
<i>Podosphaera xanthii</i>	Powdery mildew	Px
Cucurbita pepo, C. maxima, C. moschata (Squash and pumpkin)		
Scientific name	English common name	Code
Viruses		
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Luffa yellow mosaic virus</i>	Luffa yellow mosaic	LYMV
<i>Papaya ringspot virus</i>	Papaya ringspot	PRSV
<i>Squash leaf curl virus</i>	Squash leaf curl	SLCV
<i>Squash mosaic virus</i>	Squash mosaic	SqMV
<i>Watermelon mosaic virus</i>	Watermelon mosaic	WMV
<i>Moroccan watermelon mosaic virus</i>	Moroccan watermelon mosaic	MWMV
<i>Zucchini yellow mosaic virus</i>	Zucchini yellows	ZYMV
Fungi		
<i>Golovinomyces cichoracearum</i>	Powdery mildew	Gc
<i>Fusarium oxysporum</i> f. sp. <i>cucumerinum</i>	Fusarium wilt	Foc
<i>Fusarium oxysporum</i> f. sp. <i>lagenariae</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f. sp. <i>melonis</i>	Fusarium wilt	Fom
<i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	Fusarium wilt	Fon
<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	Root and stem rot	For
<i>Fusarium solani</i> f. sp. <i>cucurbitae</i>	Crown and root rot	Fsc
<i>Phomopsis sclerotoides</i>	Black root rot	Ps

<i>Pythium aphanidermatum</i>	Damping off , Pythium fruit rot (cottony leak)	Pa
<i>Phytophthora capsici</i>	Phytophthora crown and root rot	Pc
<i>Pseudoperonospora cubensis</i>	Downy mildew	Pcu
<i>Podosphaera xanthii</i>	Powdery mildew	Px

Lagenaria siceraria (Bottle gourd)

Scientific name	English common name	Code
Viruses		
<i>Cucumber green mottle mosaic virus</i>	Cucumber green mottle	CGMMV
Fungi		
<i>Fusarium oxysporum</i> f. sp. <i>lagenariae</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f. sp. <i>niveum</i>	Fusarium wilt	Fon
<i>Fusarium oxysporum</i> f. sp. <i>radicis-cucumerinum</i>	Root and stem rot	For

Capsicum annuum (Pepper)

Scientific name	English common name	Code
Viruses		
<i>Chilli veinal mosaic virus</i>	Chilli veinal mosaic	ChiVMV
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Paprika mild mottle virus</i>	Paprika mild mottle	PaMMV
<i>Pepper mild mottle virus</i>	Pepper mild mottle	PMMoV
<i>Pepper mottle virus</i>	Pepper mottle	PepMoV
<i>Pepper yellow mosaic virus</i>	Pepper yellow mosaic	PepYMV
<i>Potato Y virus</i>	Potato Y	PVY
<i>Tobacco etch virus</i>	Tobacco etch	TEV
<i>Tobacco mild green mosaic virus</i>	Tobacco mild green mosaic	TMGMV
<i>Tobacco mosaic virus</i>	Tobacco mosaic	TMV
<i>Tomato mosaic virus</i>	Tomato mosaic	ToMV
<i>Tomato spotted wilt virus</i>	Tomato spotted wilt	TSWV
Bacteria		
<i>Ralstonia solanacearum</i>	Bacterial wilt	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xcv
Fungi		
<i>Colletotrichum acutatum</i>	Anthraxnose	Ca
<i>Colletotrichum capsici</i>	Anthraxnose	Cc
<i>Colletotrichum gloeosporioides</i>	Anthraxnose	Cg
<i>Fusarium oxysporum</i> f. sp. <i>capsici</i>	Fusarium wilt	Foc
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i>)	Powdery mildew	Lt
<i>Phytophthora capsici</i>	Buckeye fruit and root rot	Pc
Nematodes		
<i>Meloidogyne arenaria</i>	Root-knot	Ma
<i>Meloidogyne incognita</i>	Root-knot	Mi
<i>Meloidogyne javanica</i>	Root-knot	Mj

Solanum lycopersicum (ex Lycopersicon esculentum) (Tomato)

Scientific name	English common name	Code
Viruses		
<i>Beet curly top virus</i>	Curly top	BCTV
<i>Cucumber mosaic virus</i>	Cucumber mosaic	CMV
<i>Pepino mosaic virus</i>	Pepino mosaic	PepMV
<i>Tobacco mosaic virus</i>	Tobacco mosaic	TMV
<i>Tomato apex necrosis virus</i>	Tomato apex necrosis	ToANV
<i>Tomato mosaic virus</i>	Tomato mosaic	ToMV
<i>Tomato torrado virus</i>	Tomato torrado	ToTV
<i>Tomato spotted wilt virus</i>	Tomato spotted wilt	TSWV
<i>Tomato yellow leaf curl virus</i>	Tomato yellow leaf curl	TYLCV
Bacteria		
<i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i>	Bacterial canker	Cmm
<i>Pseudomonas corrugata</i>	Pith necrosis	Pc
<i>Pseudomonas syringae</i> pv. <i>tomato</i>	Bacterial speck	Pst
<i>Ralstonia solanacearum</i>	Bacterial wilt	Rs
<i>Xanthomonas campestris</i> pv. <i>vesicatoria</i>	Bacterial spot	Xcv
Fungi		
<i>Alternaria alternata</i> f. sp. <i>lycopersici</i>	Alternaria stem canker	Aal
<i>Alternaria solani</i>	Early blight	As
<i>Corynespora cassiicola</i>	Target spot	Cc
<i>Fulvia fulva</i> (now <i>Passalora fulva</i>)	Leaf mold	Ff (now Pf)
<i>Fusarium oxysporum</i> f. sp. <i>lycopersici</i>	Fusarium wilt	Fol
<i>Fusarium oxysporum</i> f. sp. <i>radicis-lycopersici</i>	Fusarium crown and root rot	For
<i>Leveillula taurica</i> (anamorph: <i>Oidiopsis sicula</i>)	Powdery mildew	Lt
<i>Oidium neolycopersici</i>	Powdery mildew	On
<i>Phytophthora infestans</i>	Late blight	Pi
<i>Phytophthora parasitica</i>	Buckeye fruit and root rot	Pp
<i>Pyrenochaeta lycopersici</i>	Corky root rot	Pl
<i>Stemphylium botryosum</i> f. sp. <i>lycopersici</i>	Gray leaf spot	Sbl
<i>Stemphylium lycopersici</i>	Gray leaf spot	Sl
<i>Stemphylium solani</i>	Gray leaf spot	Ss
<i>Verticillium albo-atrum</i>	Verticillium wilt	Va
<i>Verticillium dahliae</i>	Verticillium wilt	Vd
Nematodes		
<i>Meloidogyne arenaria</i>	Root-knot	Ma
<i>Meloidogyne incognita</i>	Root-knot	Mi
<i>Meloidogyne javanica</i>	Root-knot	Mj

* May 2017

Subject to regular review

Adopted by the Working Group established by the ISF Vegetable & Ornamental Sections





CUSTOMER TERMS AND CONDITIONS

1. GENERAL: These Terms and Conditions (the "**Terms and Conditions**") shall apply to the Delivery Documents in relation to the purchase of seeds (the "**Products**") from any customer who purchases seeds from Origene Seeds Ltd. ("**Customer**" and "**Origene**", respectively).

For the purpose of these Terms and Conditions, Delivery Documents shall include, without limitation, these Terms and Conditions and/or any purchase orders and/or Proforma Invoices and/or any ancillary document relating to the purchase of the Products to the exclusion of all other terms that Customer may seek to impose or incorporate or which are implied by trade, custom, practice or course of dealing. Origene may issue a new version of these Terms and Conditions which shall be immediately effective on notice to Customer. Variations to the current version of these Terms and Conditions have no effect unless expressly agreed in writing and signed by Origene.

2. PRODUCT AVAILABILITY: All Products are subject to availability of crop. All orders are filled on a first order basis.

3. TERMINATION OF THE ORDER OR PAYMENT TERM CHANGES: Origene reserves the right to terminate any order, or Origene may change the terms of payment of any order, if at any time prior to shipment of the order, (i) Origene deems there is a significant change in Customer's financial condition; (ii) there is a breach by Customer of any Delivery Documents and such breach is not cured within seven (7) days of Origene's notice to Customer identifying such breach; or (iii) if any petition is filed or proceeding commenced by or against Customer under any state or federal law relating to bankruptcy, reorganization, receivership or assignment for the benefit of creditors. Any such termination order or change of payment terms will be without liability to Origene, and shall be effective upon notice by Origene to Customer.

4. CHANGES: Changes to the specifications of the order requested by the Customer are subject to approval of Origene in writing. In the event of any such change, Origene shall be entitled to revise its price and delivery schedules to reflect such change. Orders are deemed accepted upon the approval of Origene in writing of the purchase order.

Subject to the above, If Customer cancels in whole or part any order accepted by Origene after Origene's approval of the order, Origene may charge Customer a liquidated sum of damages equal to 30% of the total order as compensation for the loss to Origene arising out of such cancellation. The parties agree that such liquidated sum represents a genuine pre-estimate of the loss.

5. SHIPMENTS: Products will be shipped FOB origin. All taxes, insurance fees, shipments costs and associated charges will be added to the invoice and paid by the Customer. Customer shall provide all necessary information to enable Origene to fulfill the order. Dates specified by Origene for delivery are estimated only and time for delivery shall not be made of the essence by notice. If no dates are specified, delivery will be within a reasonable time. Origene makes no guarantees or warranty as to the delivery of dates and shall not be liable if Customer dates are not made.

If Customer specifies a carrier, the goods must be picked up at the place of business of Origene or Origene's supplier within three (3) business days of written notification by Origene that the goods are completed by Origene or Origene's supplier. If Customer fails to coordinate pick-up of the goods within such three (3) day period, Origene or Origene's supplier may store Products until pickup whereupon Customer will be liable for all related costs and expenses (including without limitation storage and insurance).

6. DELIVERY: If for any reason Customer will not accept delivery of Products when they are ready for delivery or Origene is unable to deliver Products on time because Customer has not provided appropriate instructions documents, licenses or authorizations (a) risk in Products passes to Customer (including for loss or damage); and (b) Products will be deemed to be delivered. If 7 days after Origene notified Customer that Products were ready for delivery and Customer has not accepted delivery, Origene may resell or otherwise dispose of all or part of the Products and after deducting storage and selling costs, account to Customer for any excess over the price of Products or charge customer for any shortfall below the price of Products.

Origene may deliver Products by installments which shall be invoiced and paid for at the pro rata agreed upon rate. Each installment is a separate contract. Delays or defects in installments shall not allow Customer to cancel any other installment. Customer shall not reject Products in case of insignificant deviations, including without limitation up to 5% more or less than the quantity of Products ordered.

7. PROPERTY AND RISK: Property and title to the Products shall remain with Origene until such time that all moneys owing by the Customer to Origene are paid in full. The risk in the Products purchased shall, unless otherwise agreed in writing, pass to the Customer immediately upon the Products leaving Origene premises. Until ownership of Products passes to Customer, Customer must (a) hold Products on a fiduciary basis as Origene bailee; (b) store Products (at no cost to Origene, unless otherwise agreed in writing) separately from all other products of Customer or any other third party so as to remain readily identifiable as Origene property; (c) not remove, deface or obscure identifying marks or packaging on or relating to products; (d) maintain Products in satisfactory condition insured on Origene's behalf for their full price against all risks to Origene's reasonable satisfaction. On request Customer shall produce the insurance policy to Origene; (e) hold insurance proceeds on trust for

Origene and not mix them with other money, nor pay the proceeds into an overdrawn bank account; and (f) notify Origene immediately if it becomes subject to any event as bankruptcy order made against Customer or Customer makes an arrangement or composition with its creditors, or otherwise takes the benefit of any statute for the time being in force for the relief of insolvent debtors or (being a body corporate) convenes a meeting of creditors (whether formal or informal), or enters into liquidation (whether voluntary or compulsory) except a solvent voluntary liquidation for the purpose only of reconstruction or amalgamation, or has a receiver and/or manager, administrator or administrative receiver appointed of its undertaking or any part thereof, or a resolution is passed or a petition presented to any court for the winding up of Customer or for the granting of an administration order of Customer, or any proceedings are commenced relating to the insolvency or possible insolvency of Customer.

Origene shall be entitled to recover payment for Products notwithstanding that ownership of any of the Products has not passed from Origene to Customer.

Customer grants Origene, its agent and employees the right to enter any premises at any time where Products are or may be stored to inspect them or, where Customer right to possession has terminated, to recover them. All recovery costs incurred by Origene in this regard shall be paid by Customer.

Customer shall cooperate in any measures necessary for the protection of Origene's title and rights. In particular, it authorizes Origene to enter into or register any reservation of property in the required form of public registers, books or similar records, or in accordance with any relevant laws and undertakes to complete and fulfill all appropriate formalities.

8. WARRANTY: Origene certifies that the Products are conventional seeds, meaning that they have been produced from parental seeds, which were not genetically modified and have been produced according to specifications developed to minimize the adventitious presence of impurities, including genetically modified impurities. Origene further certifies that its production methods are based on accepted industry standards for seed production and seed purity.

Origene warrants that the Product will be free from material defects, provided that the Products were stored, shipped, handled, operated and maintained by the Customer in accordance with the recommendations in effect from time to time set forth in Origene's manual and/or in strict compliance with the International Seed Federation rules ("**ISF**") and/or other written instructions by Origene and have not been modified without Origene's prior written approval.

Without derogating from the generality of the above said, Origene warranties do not apply to defects in the Product resulting from:

Bacterial Fruit Blotch (BFB), Gummy Stem Blight (GSB) and Cucumber Green Mottle Mosaic Virus (CGMMV), diseases as detailed in Annex A to these Terms and Conditions. Abuse or misuse, including improper storage and/or improper site preparation and/or inadequate maintenance;

Unauthorized modification;

Abuse, negligence, accident, loss or damage in transit;

An unsealed package and/or a Product that was received and/or provided and/or delivered not in its original package;

Any inaccuracy in the information provided;

The warranty shall only apply to the germination of the Products for a period of six (6) months as of the manufacturing date marked on the Products (the "**Warranty Period**"), provided however, that the Products were kept in proper storage of less than 15 degrees Celsius. During the Warranty Period, Origene warrants against material defects arising out of Origene's faulty materials workmanship or production, provided that Origene received written notice of the defective Product, in accordance with this Terms and Conditions, prior to the end of the Warranty Period and that Origene has been afforded a prompt and reasonable opportunity to inspect any item as to which any claim is being made.

9. RETURNS OF DEFECTIVE GOODS: During the Warranty Period if Customer deems the Product defective, Customer must give Origene written notice with reasonable details. The notice must be made within 10 days after Customer learns of the facts on which such notice is based. All notices not made and received by Origene within the time period specified above shall be deemed waived. Origene will determine if the defect was caused by improper installation or maintenance by Customer. If the non-conformance of the goods is the result of defects in materials or workmanship, Origene will replace the goods. Delivery of replacement goods will be based upon the delivery lead times of Origene's suppliers. If the goods are to be replaced, Origene will issue Customer a written authorization to return the goods prepaid freight to Origene or it's the supplier, as the case may be.

10. QUALITY: All information concerning the Products and their performance given orally or in writing by Origene is given in good faith, but shall not be a representation by Origene as to Products performance or suitability. Performance may depend on local climatic and other conditions. Sales are made by Origene on the basis that Customer has satisfied itself of the suitability of the Products for its requirements.

11. PRICING, TAXATION AND PAYMENT TERMS: Prices stated on the body of any confirmation or Proforma Invoice does not include taxes of any sort. The amount of any tax applicable to the Customer purchase of the Product shall be added to the invoice and paid by the Customer. Standard payment terms are thirty (30) days from the date of the air way bill. Origene reserves the right to correct errors on invoices. Customer may not set-off amounts owing to it by Origene against amounts due to Origene from Customer. If Customer fails to pay Origene sums due under the contract all outstanding invoices and payments payable to Origene shall become due immediately. In addition, all past due accounts will bear interest at the rate of the lesser of: (i) 1.5% per month; and (ii) the maximum rate permitted by applicable law, from



the date the payment was due and until the date of actual payment. Unless otherwise is provided in the invoice or the Proforma invoice, prices of the Products may be varied and are subject to change throughout the year without notice to the Customer. Without prejudice to any of the rights or remedies of Origene, Origene shall have the right to cancel any further deliveries if Customer or a fails to make any payment when due. Origene may set-off amount owing to it by Customer against amounts due to Customer from Origene.

Customer shall reimburse Origene for all administrative and legal expenses incurred by Origene in the collection of any such amounts payable by Customer. Should Origene reasonably believe that Customer's financial condition is insufficient to meet Customer's payment obligations when due, Origene reserves the right to make delivery of all or part of Products subject to satisfactory payment guarantees or pre-payment. Origene may be giving notice to Customer at any time before delivery, increase the price of Products due to (a) any factor beyond Origene's control (including without limitation foreign exchange fluctuations and tax or duty increases), (b) acceptance by Origene of Customer's request to change the delivery date(s), quantities or types of Products ordered, or (c) delay caused by any Customer instructions or failure to give Origene adequate or accurate information or instructions.

12. DISCLAIMERS AND LIMITATION OF LIABILITY: The foregoing warranties are Origene's sole and exclusive warranties regarding the Products and any part thereof, and there are no other warranties, liabilities or guarantees, express or implied (including any patent warranties or warranties of merchantability or fitness for a particular purpose), of any nature whatsoever, whether arising in contract, tort, wrongful act, negligence of any degree, strict liability or otherwise, with respect to the Products or any part thereof delivered hereunder and/or with respect to any non-conformance or defect in any such Products and/or any part thereof delivered hereunder, including but not limited to any liability of Origene for any incidental, special, punitive or consequential damages, including, without limitation, loss of revenues and/or profits or loss of business from the failure, in part or in full, of any goods acquired by customer from Origene. The sole and exclusive remedy for any breach of warranty shall be the replacement of the warranted goods within the Warranty Period. There is no warranty with respect to damage caused by normal wear and tear of the Products or any part thereof.

Customer acknowledges that any variety or descriptive information furnished in relation to the product based upon information received from Origene is provided as guidance only. The Customer accepts responsibility in relation to any delays in accepting the product and recognized that significant variations may occur in the particular product due to geographic location, climate soil type, soil conditions, cultural management practices and other growth factors. The Customer accepts that Origene have no control of any element of plant handling or exposure to weather, insects or disease, and cannot offer any guarantees of plant survival or vigor.

Origene assures no liability for advice given or results obtained from advice, all such advice being given and accepted at Customer's risk. Customer is responsible for making its own tests and verifications before applying advice.

13. NO OTHER WARRANTIES: TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, ORIGENE DISCLAIMS ALL OTHER WARRANTIES, EITHER EXPRESS OR IMPLIED.

14. INTELLECTUAL PROPERTY AND RESTRICTIONS: Origene owns or has the right to exercise the intellectual property rights in Products including without limitation trademarks, plant variety protection, patent rights and know-how ("**Intellectual Property Rights**"). the Customer shall not use, modify, create derivative works of, make, have made, display, perform, reproduce, distribute, sell, sublicense or otherwise exploit Origene's Products in any way for any purpose except as permitted under this Agreement. For the purpose of protecting Origene's Intellectual Property Rights and trade secrets, the Customer shall not infringe any intellectual property rights in Products, disassemble, de-compile, or reverse engineer any part of Origene Products. The Customer agrees not to apply to register or register any Origene Trademark or any mark or logo similar to or containing any Origene's Trademark except when such mark or logo is registered in Origene's name with Origene's prior written consent. The Customer shall not contest Origene's ownership of or rights in the Origene's Trademarks. All usage of the Origene Trademarks shall inure to Origene's benefit. Any change or replacement of the original packaging of the Product shall immediately expropriate the warranty of the Product. Customer shall immediately inform Origene of any infringement claims or legal proceedings involving Customer regarding the Intellectual Property Rights. Customer agrees to discuss and agree with Origene or the defense strategy that shall be used.

Customer shall not use the Products, or propagating material or harvested material derived from planting the Products, for any further propagation of the variety, nor offer for sale, sell or otherwise market the Products, propagating material or harvested material for such purpose unless the Products were provided for that purpose or as permitted under applicable law. Customer shall grant Origene or its designee direct access to Customer's premises, including fields and greenhouses, and to premises of third parties performing services for Customer, to enable an audit of Customer's compliance with these Terms and Conditions. Customer shall, at Origene's request, grant reasonable access to all relevant administrative records.

15. PROFORMANCE: Origene will not be responsible for any claims or costs, including, without limitation, late fees or penalties, levied by Customer for delays caused by, but not limited to, strikes, lockouts, accidents, fire, delay in transportation, acts of god, embargoes, governmental action or any other causes beyond Origene's reasonable control.

16. MISCELLANEOUS:

All notices and communications hereunder shall be in writing and shall be deemed to have been duly given when: (i) immediately if delivered personally, or received by facsimile or similar means of communication, or (ii) within five (5) days if delivered by registered mail or courier. Either party hereto shall designate its address by providing

written notice of such address to the other party hereto.

These Terms and Conditions shall be construed and enforced in accordance with and governed by the laws of the state of Israel, without reference to conflict of laws principles. The competent courts of Tel Aviv-Yaffo shall have exclusive jurisdiction and venue over any dispute arising out of and in connection with theses Terms and Conditions and the Customer hereby consents to the jurisdictions of such courts.

Products may be subject to export control law and regulations and Customer shall comply with these, including without limitation the EU "Denied Persons List", US Export administration regulations, US sanction regimes, US trade embargos, the "Entity List" or "Denial Persons List" of the US department of Commerce or "Specifically Designated Nationals and Blocked Persons" list of the US Department of Treasury. Origene may refuse orders or terminate the Delivery Documents with immediate effect where it considers it is restricted for export control reasons.

If a provision of these Terms and Conditions is found by any court, tribunal or administrative body of competent jurisdiction to be wholly or partly illegal, invalid, void, voidable, unenforceable or unreasonable it shall to the extent of such illegality, invalidity, voidness, voidability, unenforceability or unreasonableness be deemed severable and the remaining provisions and sub-provisions shall continue in full force and effect.

The waiver by one party of a breach of any provision of the Delivery Documents by the other party shall not operate or be construed as a waiver of any subsequent or continuing breach by the waiving party.

Origene may at any time assign, transfer, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the contract. Customer may not transfer, assign, charge, deal or sublicense all or any part of the Delivery Documents, except with the express prior written consent of Origene. A person who is not a party to the contract shall have no rights under or in connection with it.

All terms of the Delivery Documents shall be binding upon and inure to the benefit of the parties hereto, including any successors or permitted assigns.

Unless specifically agreed in writing, these Terms and Conditions, with each purchase order, cancels and supersedes all prior negotiations and understandings between the parties relating hereto, and embodies the entire agreement and understanding between such parties with respect to the matters covered hereby, notwithstanding the delivery of any other terms and conditions and/or similar documents or agreements by Customer to Origene. If there is a conflict between a provision in these Terms and Conditions and the terms of a specific Proforma Invoice than the terms of the Proforma invoice shall govern and control.

Annex A

Bacterial Fruit Blotch (BFB), Gummy Stem Blight (GSB) and Cucumber Green Mottle Mosaic Virus (CGMMV) are serious and highly infectious diseases which constitute a significant risk in many areas of watermelons and/or melons' cultivation and production. The pathogens causing BFB, GSB and CGMMV can be introduced into a field by infested seed, infected transplants, volunteer cucurbits and mechanical means or naturally spread from alternate hosts. In addition to loss of yield, these diseases can cause long-lasting contamination of the fields and/or plant nurseries.

Seeds cannot be treated to completely eliminate BFB, GSB and CGMMV. While No known test for the presence of BFB and/or GSB and/or CGMMV in seeds is 100% reliable, Origene is testing all of its watermelon and melon seed lots. Consequently, Origene will have tested the number of seedlings from each lot as pursuant to the current industry approved standards, and found no symptoms of BFB, GSB and CGMMV to be present within the known limits of detection. Nevertheless, Origene is using its best efforts to test and/or treat all of its watermelon and melon seed lots.

It is very important that before purchasing watermelon seeds, you understand the risk of BFB, GSB and CGMMV that Customer is assuming.

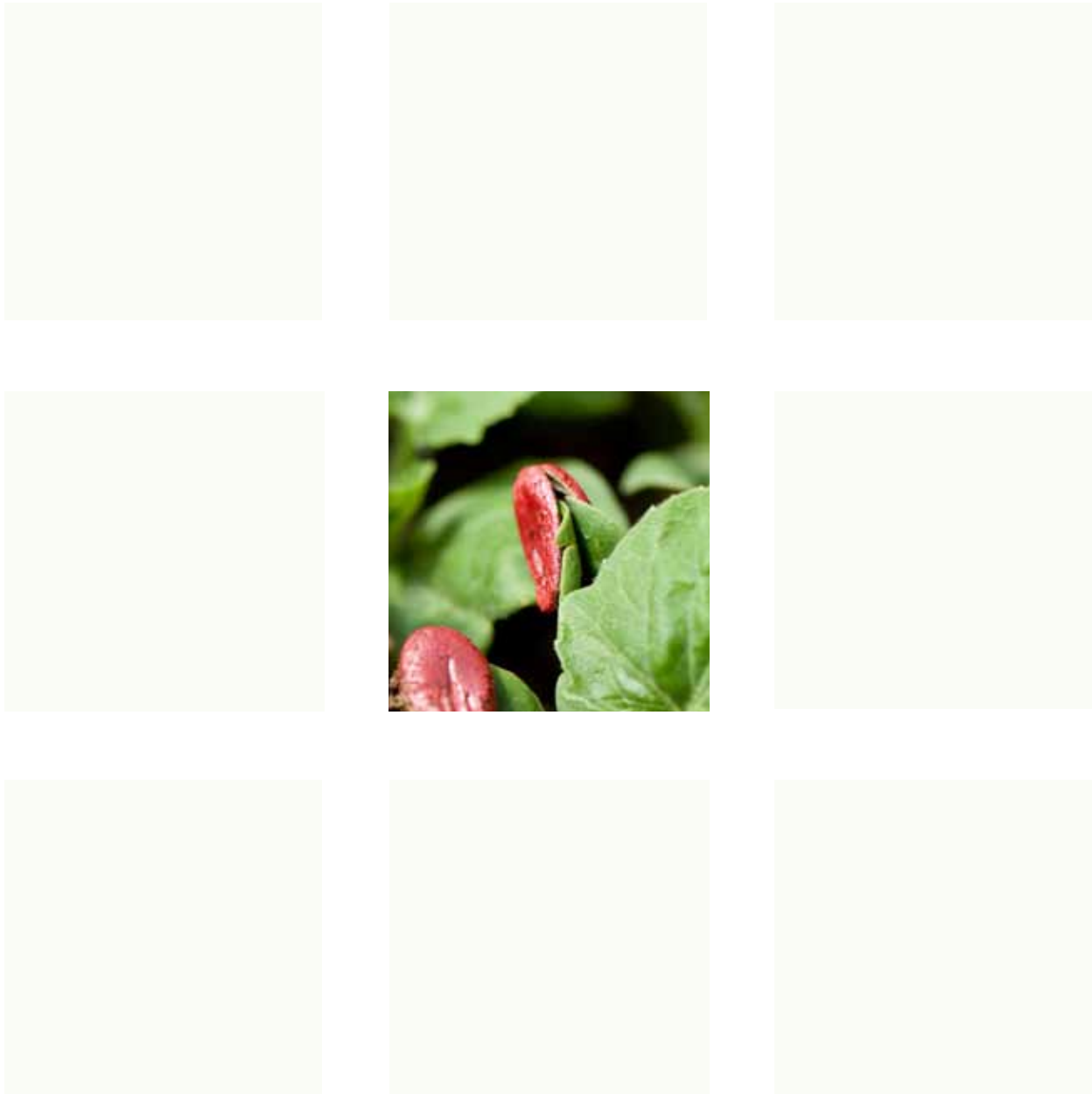
Origene hereby represents and warrants that it has not detected the presence of BFB and/or GSB and/or CGMMV in any such representative samples. Origene is using its best efforts to reduce the risks of seed borne infection of BFB, GSB and CGMMV. Origene does not warrant that seeds provided hereunder are completely free of BFB and/or GSB and/or CGMMV and does not assume any responsibility for the occurrence of the same from seeds, plants, or the fruit produce and cannot further guarantee that BFB, GSB and CGMMV may not be introduced to such seeds and/or watermelon or melon plants from outside sources at a later time.

ACKNOWLEDGING THE ABOVE, IF THE CUSTOMER STILL WISHES TO PURCHASE OR ACCEPT ORIGENE WATERMELON AND/OR MELON SEEDS OR PLANTS THE CUSTOMER IS WILLING TO ASSUME ALL RISKS OF LOSS ASSOCIATED WITH BFB, GSB AND CGMMV. ACCORDINGLY, CUSTOMER HEREBY FULLY AND UNCONDITIONALLY RELEASES ORIGENE, ITS AFFILIATES, AND ANYONE ON ITS BEHALF INCLUDING DISTRIBUTORS, AGENTS, DEALERS OR SUPPLIERS (COLLECTIVELY THE "**SELLERS**") FROM ANY AND ALL LIABILITY WITH RESPECT TO THE PRESENCE OF BFB, GSB AND CGMMV ON OR WITHIN SUCH SEEDS OR PLANTS OR THE VULNERABILITY OF SUCH PRODUCTS TO BFB, GSB AND CGMMV. CUSTOMER ACKNOWLEDGES AND AGREES THAT SELLERS SHALL HAVE NO RESPONSIBILITY OR LIABILITY FOR ANY LOSSES OR DAMAGES RELATING IN ANY WAY TO BFB, GSB OR CGMMV.

Customer is aware of the potential presence of seed borne BFB and/or GSB and/or CGMMV. Customer acknowledges that contamination may occur in a transplant house, in the field, or under circumstances beyond the control of Sellers. Customer expressly acknowledges that its exclusive and sole remedy against Sellers is limited to the return of purchase price of the seeds.

Customer hereby waives all rights to recover damages, and releases the Sellers from any and all claims relating to BFB, GSB and CGMMV seeds or plants.





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