



**ORIGENE  
SEEDS®**

*The Seed of Discovery®*

# ***Watermelons***



Maxima PBR



# Watermelon *Seedless*

## Maxima <sup>PBR</sup>

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-full season and is very productive.

<b>Type\ Rind</b>	Very dark stripes
<b>Shape</b>	Round
<b>Size</b>	36 ct.
<b>Weight</b>	9-10 kg. (19.8-22 lb.)
<b>Flesh</b>	Very deep-red, high lycopene, very firm
<b>Taste</b>	Outstanding sweet flavor
<b>Plant</b>	High vigor
<b>Maturity</b>	Full
<b>Shelf-life</b>	Very good
<b>Remarks</b>	Very productive



## Talca

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

<b>Type\ Rind</b>	Very dark stripes
<b>Shape</b>	Oval
<b>Size</b>	36-45 ct.
<b>Weight</b>	8-9 kg. (17.6-19.8 lb.)
<b>Flesh</b>	Very deep-red, high lycopene, firm
<b>Taste</b>	Outstanding sweet flavor
<b>Plant</b>	High vigor
<b>Maturity</b>	Full
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Co IR
<b>Remarks</b>	Very productive



## Lucille

I love Lucille. The fruit has dark stripes and an oval shape. The flesh is deep-red thanks to a high level of Lycopene. A highly vigorous plant suited for early-to-mid season production.

<b>Type\ Rind</b>	Dark stripes
<b>Shape</b>	Oval
<b>Size</b>	36-45 ct.
<b>Weight</b>	7-8 kg. (15.4-17.6 lb.)
<b>Flesh</b>	Deep-red, high lycopene
<b>Maturity</b>	Early-to-Mid
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Co IR



## Essence <sup>PBR</sup> **NEW**

Essence is Essence is Essence.

<b>Type\ Rind</b>	Very dark stripes
<b>Shape</b>	Round-to-slightly oval
<b>Size</b>	36-45 ct.
<b>Weight</b>	7.5-8.5 kg. (16.5-18.7 lb.)
<b>Flesh</b>	Deep-Red
<b>Taste</b>	Very good
<b>Plant</b>	Very high vigor
<b>Maturity</b>	Mid-to-full
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Px IR, Drought tolerance



## Bungi

Bungi is a "Game Changer". It is round and has a dark-green rind color and a very red, sweet inside. The plant fits early-to-mid season production.

<b>Type\ Rind</b>	Dark green
<b>Shape</b>	Oval
<b>Size</b>	45 ct.
<b>Weight</b>	7-8 kg. (15.4-17.6 lb.)
<b>Flesh</b>	Deep-red
<b>Taste</b>	Very sweet
<b>Maturity</b>	Early-to-Mid
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Co IR



## LaJoya

A desert jewel. Lajoya's fruit shape is round with a deep-red flesh color that is very firm. The plant is strong, a heavy 45 ct. fruit producer, and can perform well with limited irrigation.

<b>Type\ Rind</b>	Very dark stripes
<b>Shape</b>	Round
<b>Size</b>	45 ct.
<b>Weight</b>	5-6 kg. (11-13.2 lb.)
<b>Flesh</b>	Deep-red, high lycopene, very firm
<b>Taste</b>	Outstanding sweet flavor
<b>Plant</b>	High vigor
<b>Maturity</b>	Full
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Co IR



## Havah *PSF*

Firm like a rib. Sweet inside.

Seedless Havah has Processing Standard Firm flesh (PSF)

<b>Type/ Rind</b>	Very dark stripes
<b>Shape</b>	Oval
<b>Size</b>	36-45 ct.
<b>Weight</b>	7 Kg. (15.4 lb.)
<b>Taste</b>	Good
<b>Flesh</b>	Processing Standard Firm flesh (PSF)
<b>Plant</b>	Mid-to-high vigor
<b>Maturity</b>	Mid-to-Full
<b>Shelf-life</b>	Outstanding
<b>Disease resistance</b>	Fon1 IR, Co IR



## Watermelon *Mini Seedless*

### Melania *NEW*

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 Melania!

<b>Type\ Rind</b>	Dark-stripes
<b>Shape</b>	Round
<b>Size &amp; Weight</b>	6 ct., 2.5-2.9 kg. (5.5-6.4 lb.)
<b>Flesh</b>	Deep-red
<b>Taste</b>	Very sweet
<b>Maturity</b>	Mid-to-full
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Px IR, Fon1 IR, Co IR



### Ana

One of the mini seedless industry leaders. Ana is a heavy 6 ct. producer with excellent fruit quality and a strong plant. It has attractive dark crimson stripes with firm red flesh that packs and ships well.

<b>Type\ Rind</b>	Dark stripes
<b>Shape</b>	Round
<b>Size &amp; Weight</b>	6-8 ct., 2.8-3.3 kg. (6.2-7.3 lb.)
<b>Flesh</b>	Deep-red, very firm
<b>Taste</b>	Very sweet, very good taste
<b>Maturity</b>	Early-to-Mid
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Co IR



## Proxima

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

<b>Type\ Rind</b>	Dark stripes
<b>Shape</b>	Round
<b>Size &amp; Weight</b>	6 ct., 2.5-3 kg. (5.5-6.6 lb.)
<b>Flesh</b>	Red, very firm
<b>Maturity</b>	Mid-to-full
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Fon1 IR, Co IR
<b>Remarks</b>	Industry standard



## Paragon <sup>PBR</sup>

A model for high quality, Firm flesh

<b>Type\ Rind</b>	Dark stripes
<b>Shape</b>	Round
<b>Size &amp; Weight</b>	6 ct., 2.5-3 kg. (5.5-6.6 lb.)
<b>Flesh</b>	Deep-red
<b>Taste</b>	Special taste
<b>Plant</b>	High vigor
<b>Maturity</b>	Early-to-mid
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Fon1 IR, Co IR



## Promesa

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 Promesa!

<b>Type\ Rind</b>	Dark stripes
<b>Shape</b>	Round
<b>Size &amp; Weight</b>	6 ct., 2.6-3.1 kg. (5.7-6.8 lb.)
<b>Flesh</b>	Deep-red, very firm
<b>Taste</b>	Very Sweet
<b>Maturity</b>	Mid
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Px IR, Co IR



## Bumble Bee

Be surprised with supreme sweet and crispy yellow flesh inside and a dark green rind.

<b>Type\ Rind</b>	Dark green
<b>Shape</b>	Round
<b>Weight</b>	2.5-3 kg. (5.5-6.6 lb.)
<b>Flesh</b>	Yellow
<b>Maturity</b>	Early
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Co IR
<b>Remarks</b>	Dark green rind, yellow flesh



## Golda

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

<b>Type\ Rind</b>	Gold
<b>Shape</b>	Round
<b>Weight</b>	2.5-3 kg. (5.5-6.6 lb.)
<b>Flesh</b>	Red, very firm
<b>Maturity</b>	Early
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Fon1 IR, Co IR
<b>Remarks</b>	Gold rind, red flesh



## Watermelon Seeded

### 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 elongated and produces big sizes. The plant blooms at Mid-to-full season.

<b>Type\ Rind</b>	Wide stripes
<b>Shape</b>	Elongated
<b>Weight</b>	11-16 kg. (24.2-35.2 lb.)
<b>Flesh</b>	Red
<b>Taste</b>	Very sweet
<b>Plant</b>	Very-high vigor
<b>Maturity</b>	Mid-to-full
<b>Shelf-life</b>	Good
<b>Disease resistance</b>	Fon1 IR, Co IR



### Edom Mountains <sup>PBR</sup>

Maybe it is thanks to the big yellow flowers; maybe it is thanks to the sweet taste. Yes! 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.

<b>Type\ Rind</b>	Tiger stripes
<b>Shape</b>	Round
<b>Weight</b>	2.8-3.2 kg. (6.1-7 lb.)
<b>Flesh</b>	Red
<b>Taste</b>	Good taste
<b>Maturity</b>	Early
<b>Shelf-life</b>	Very good
<b>Disease resistance</b>	Fon1 IR, Co IR
<b>Remarks</b>	Excellent pollinizer for mini seedless dark-striped types, small seeds



## Watermelon *Pollenizers*

### Ox

The bees cannot resist the high number of Ox's big yellow flowers. Ox has high numbers of male blooms and makes a great pollinator for seedless production. Rind color is striped light gray and the fruits are non-edible.

<b>Type\ Rind</b>	Pollenizer light grey (non-edible)
<b>Shape</b>	Round
<b>Weight</b>	3-3.5 kg. (6.6-7.7 lb.)
<b>Flesh</b>	White-to-yellow
<b>Disease resistance</b>	Fon1 IR, Co IR
<b>Remarks</b>	High flowering level, big yellow flowers, Non-edible



### ORS 110

This special pollenizer has a high flowering level.  
The fruits are edible and flesh is red with good eating quality.

<b>Type\ Rind</b>	Grey
<b>Shape</b>	Round
<b>Weight</b>	3-3.4 kg. (6.6-7.4 lb.)
<b>Flesh</b>	Red, Good flesh quality
<b>Disease resistance</b>	Fon1 IR, Co IR
<b>Remarks</b>	Good flowering level



#### Notes:

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# 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.

<b>Type\ Rind</b>	Interspecific cucurbit hybrid
<b>Root size</b>	Gentle
<b>Disease resistance</b>	Good resistance to fungal soil-borne diseases that attack watermelons and melons
<b>Remarks</b>	Suitable for more fragile varieties, contributes to very high yields



## BS-1

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.

<b>Type\ Rind</b>	Interspecific cucurbit hybrid
<b>Root size</b>	Powerful root system
<b>Disease resistance</b>	Good resistance to fungal soil-borne diseases that attack watermelons and melons
<b>Remarks</b>	Easy grafted rootstock, contributes to very high yields



PBR = Plant Breeding Rights

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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. The fruits may contain occasional seeds. Specific varieties and traits are protected by Patents & PVP.

# Cultivation Techniques for Watermelon

Eyal A. 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 (59°F) (optimal is 25°C (77°F)). For seedless varieties, the requirements are even higher at 28°-32°C (89°F) 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°C-15°C (53-59°F), depending on the cultivar. Optimal temperature for vegetative development is between 15°-20°C (59-68°F) at night and 25°-35°C (77-95°) during the day.

A standard fertilization program per hectare is 120-180 Kg N (264-396 lb.), 150-200 Kg (330-440 lb.) P2O5 and 150-220 Kg (330-485 lb.) 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 (68-77°F); temperatures up to 35°C (95°F) 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 (59-68°C) at night and 25°-35°C (77-95°F) 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.

Proxima





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