NANTO SEED

NANTO SEED CO.,LTD.

- Vegetable Seed -

“All for World’s Agriculture, All for World’s Food Culture”



Introduction 3

Hybrid Watermelon - Citrullus lanatus
- PINO GIRL 4
- PINO GIRL BLACK 5
- PINO DADDY 6
- PINO LADY 7
- 3X GOLDEN JACK 8
- MANAMUSUME LOVELY 9
- MANAMUSUME SAKURA 10
- MANAMUSUME NATSUKO DX 11
- KIKODAMA H 12
- NATSU COCOA 13
- RAOU LONG 14
- RAOU THE SWEET 15
- AKAFUJI 16
- NWF-005 17
- KONJIKI RAOU 18
- KOGANE SPECIAL 19
- SUMMER ORANGE MIDDLE 20
- ORANGE BUONO 21

Hybrid Melon-Cucumis melo
- CUPID 22
- APPLEY 23
- CLARICE 24
- NM-320 25
- MARIAGE REFLET 26
- MARIAGE 367 27
- EARLS MULAN SUMMER 28
- EARLS MULAN EARLY SPRING / LATE AUTUM 29
- MOONLIGHT 30
- NNM-018 31
- PAR-3001 32
- PAR-3002 33

Hybrid Squash - Cucurbita maxima
- KURIZANMAI 34
- GRAN MONTBLANC 35
- KOFUKI 36
- TOKUNOU KOFUKI 37
- NISHIKI EBISU 38
- SUZUNARI PUMPTY 39

Hybrid Squash - Cucurbita pepo
- MOSS GREEN V 40
- MOSS YELLOW V 41

Hybrid Pepper - Capsicum annuum var. grossum
- L3 AOI SHISHITO 42

Rootstock
- EBIZO 43
- TAIZO 44
- DENZO 45
- ICHIZO 46
- RAIZO 47

Hybrid OKRA - Abelmoschus esculentus
- OHOKU 48
- WHITE PARASOL 49

Hybrid CUCUMBER -Cucumis sativus-
- NARUNARU 50
- KENSHIROU 51
- DANDAN 52

Introduction

Company Name	NANTO SEED CO.,LTD.
Establishment	August 11, 1947
Chairman	Tetsuya Morii
President	Masatsune Takase
number of employees	72
Business Type	Breeding, Marketing, Sales, Distribution
Location	*Head office 2-6-4, Minamiyagicho, Kashihara, Nara 634-0077 *Asuka Breeding station 312 Gojonocho, Kashihara, Nara 634-0043 *Uda Breeding & Research station 7-8 Oouda-Itsutsu, Uda, Nara 633-2101

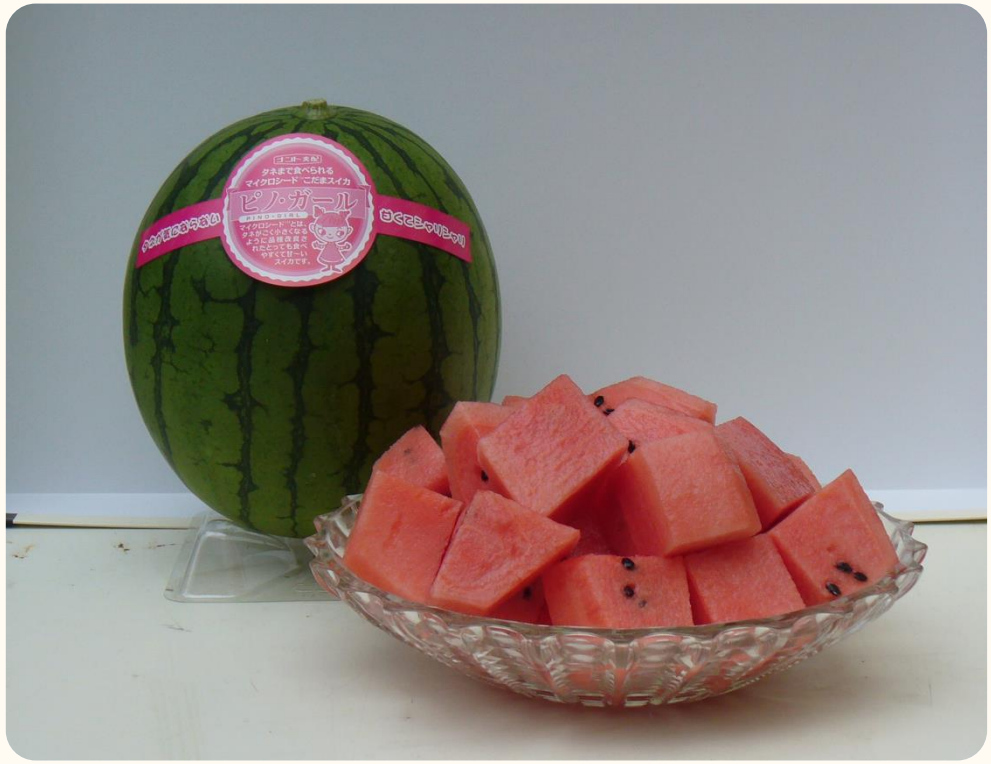
NANTO SEED is specialized in breeding vegetable seeds. For more than 75 years, we are dedicated to developing vegetable varieties with good quality and environment adaptability for helping the farmers produce and stably supplying the seeds to them. Not only that, we strive to develop new varieties that could offer consumers new taste experiences and choices. To develop outstanding varieties and supply our seeds to wide range of customers throughout the world, we commit ourselves to being honest and energetic to solve their concerns. We sincerely believe that the attitude is the most vital aspects of our seed business. What we sell are trust along with the vegetable seeds.







NANTO SEED



PINO GIRL

Micro-seed icebox watermelon

Weight	1.6–2.2 kg
Maturity	35 days after pollination
Shape	High Round

- Very flavorful taste with juicy texture.
- Resistance to Anthracnose.
- Good fruits setting. Pollen availability is good even under low temperatures.
- Brix: 12–13%









PINO GIRL BLACK

Micro-seed icebox watermelon

Weight	2 kg
Maturity	35–37 days after pollination
Shape	Round

- Disease Resistance to Anthracnose.
- Strong plant vigor.
- Very flavorful taste with juicy texture.
- Suitable for hot season cultivation.
- Brix: 12%

NANTO SEED



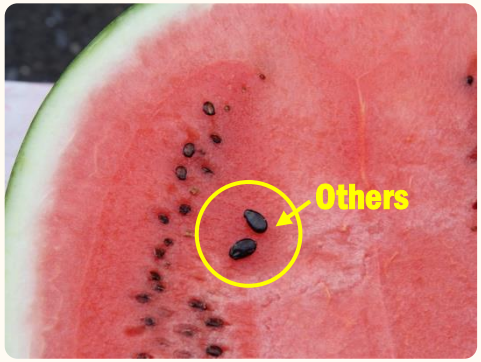
PINO DADDY

Micro-seed watermelon

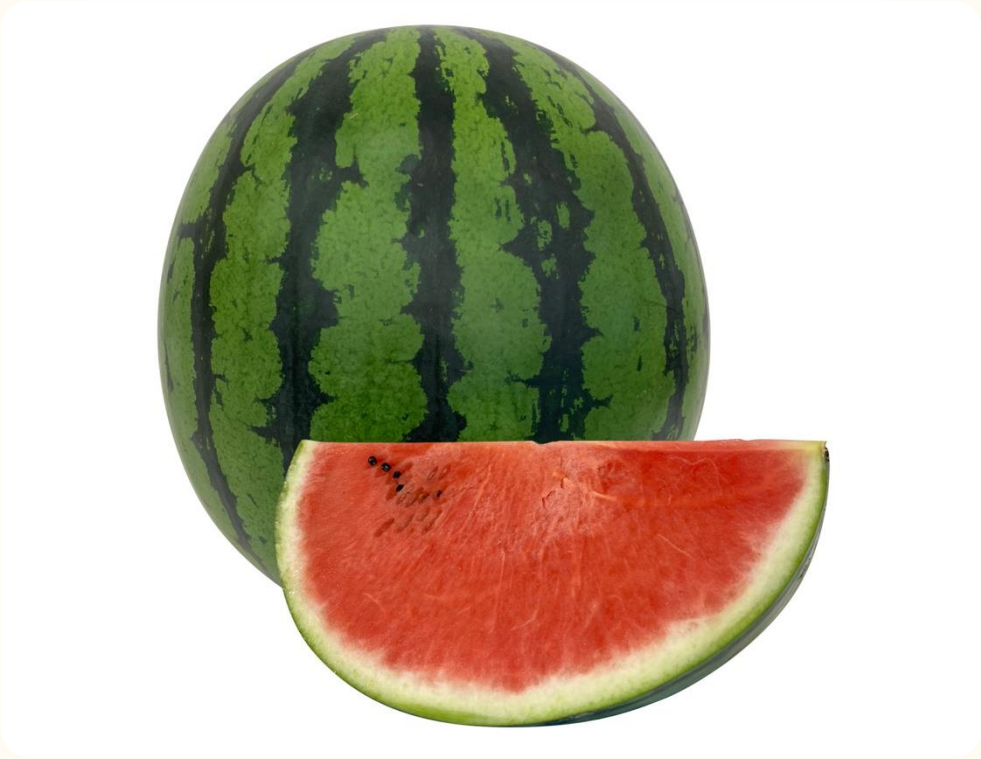
Weight	8–10 kg
Maturity	45 days after pollination
Shape	Round

- Disease Resistance to Anthracnose.
- Strong plant vigor.
- Brix: 12–13%





NANTO SEED



PINO LADY

Micro-seed watermelon

Weight	4–6 kg
Maturity	46–47 days after pollination
Shape	Round

- Good fruits setting.
- Resistance to Anthracnose.
- Firm texture with excellent flavor.
- Brix: 12–13%









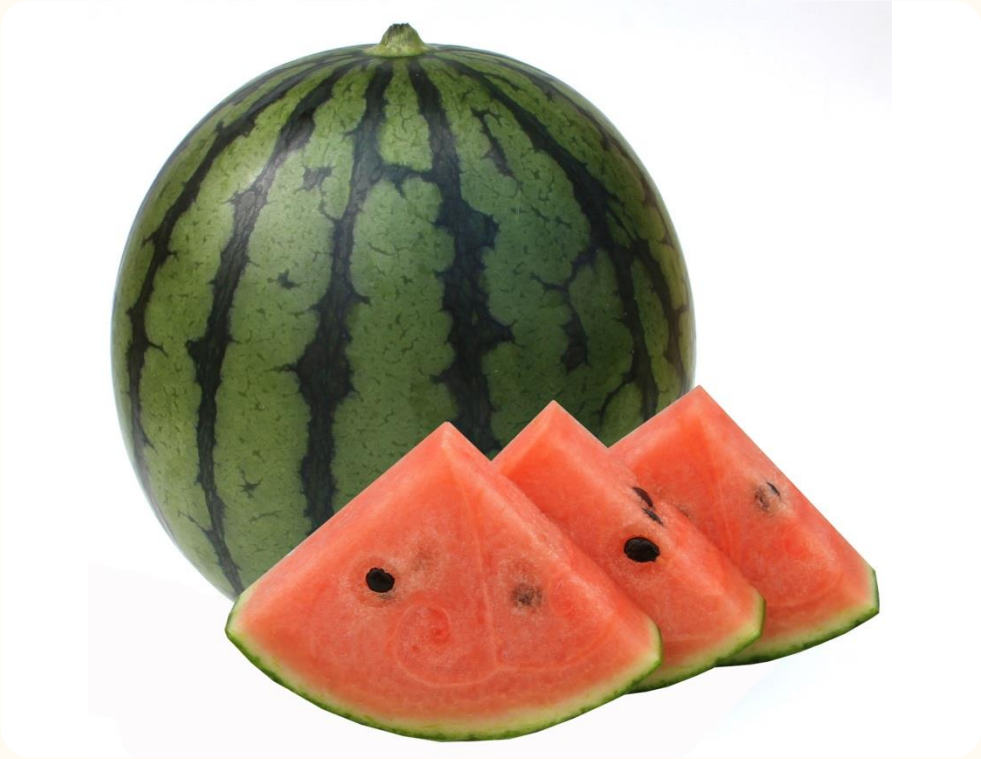


3X GOLDEN JACK

Triploid watermelon

Weight	8–10 kg
Maturity	46–47 days after pollination
Shape	Round

- Bright yellow flesh. Black rind with pale stripe.
- Good fruit setting and uniformity.
- Firm flesh with excellent flavor.
- Brix: 13%

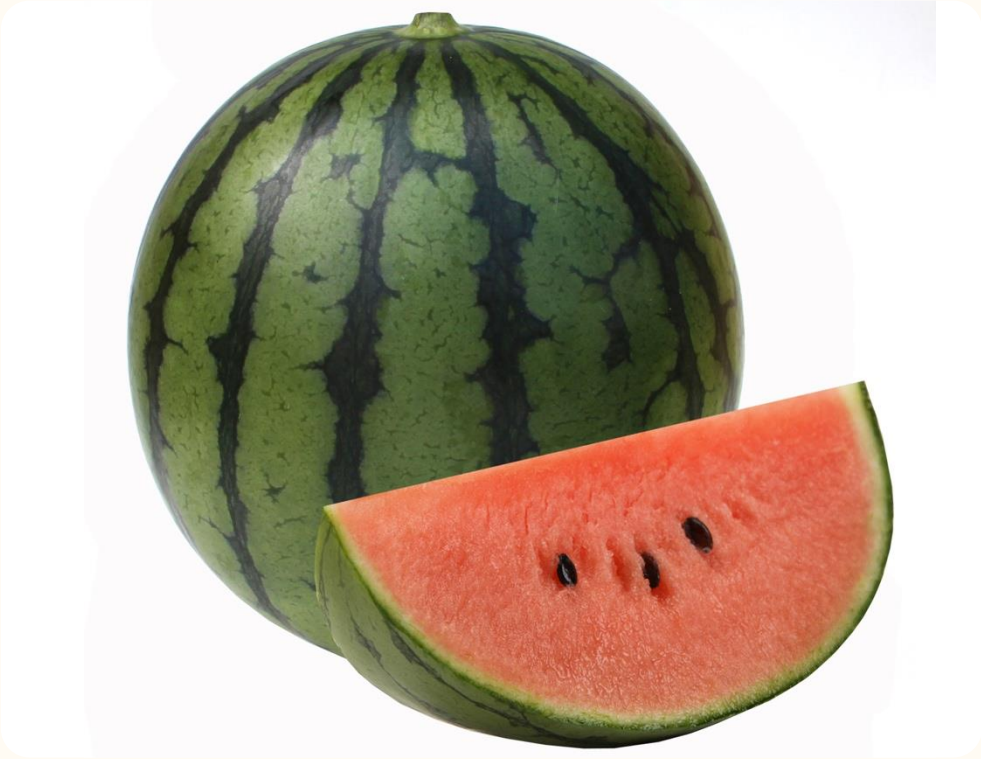


MANAMUSUME LOVELY

Icebox watermelon

Weight	2 kg
Maturity	33–35 days after pollination
Shape	Round

- Resistance to Powdery Mildew.
- Good fruit setting. Pollen availability is good even under low temperature.
- Vivid green rind with narrow stripes.
- Brix: 13–13.5%



MANAMUSUME SAKURA

Icebox watermelon

Weight	2–2.5 kg
Maturity	35 days after pollination
Shape	Round

- Good fruit setting. Pollen availability is good even under low temperature.
- Vivid green rind with narrow stripes.
- Brix: 13%

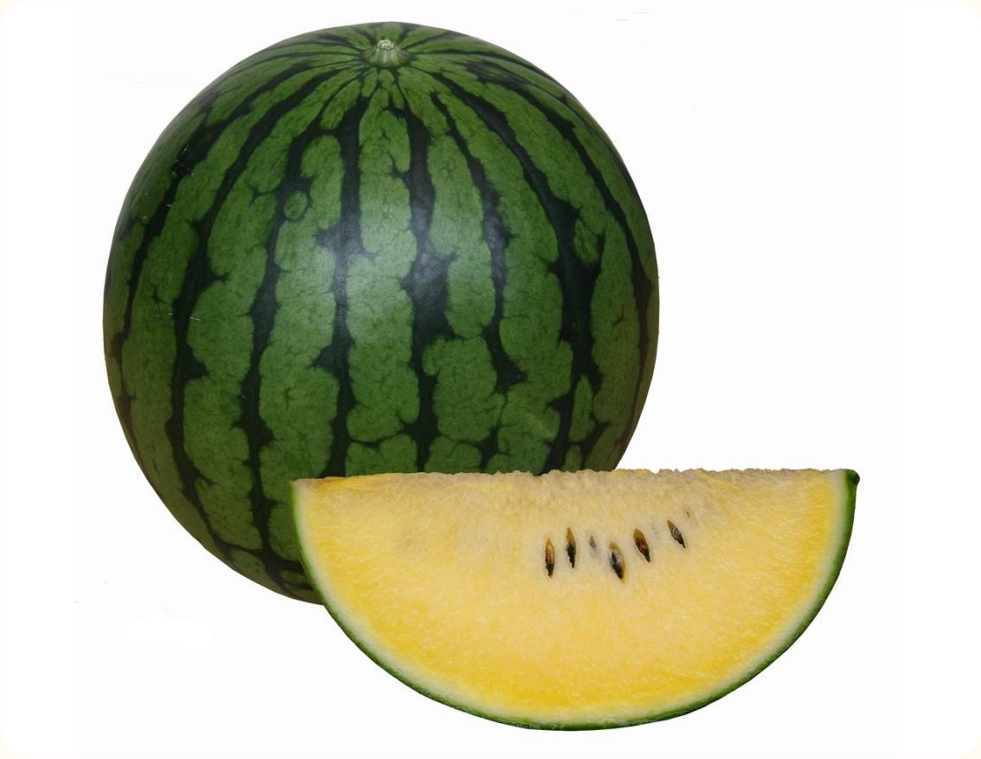


MANAMUSUME NATSUKO DX

Icebox watermelon

Weight	2–2.5 kg
Maturity	35–37 days after pollination
Shape	Round

- Strong plant vigor.
- Firm texture with excellent flavor.
- Brix: 13%



KIKODAMA H

Icebox watermelon

Weight	2–2.5 kg
Maturity	33–35 days after pollination
Shape	Round

- Good fruit setting. Pollen availability is good even under low temperature.
- Bright yellow flesh.
- Brix: 12–13%



NATSU COCOA

Icebox watermelon

Weight	2–2.5 kg
Maturity	35–37 days after pollination
Shape	Round

- Good fruit setting under high temperatures.
- Less cracking and less hollow heart.
- Indistinct narrow stripes on dark green skin.
- Brix: 12%





RAOU LONG

Japanese type

Weight	8–10 kg
Maturity	45–47 days after pollination
Shape	Oblong

- Strong plant vigor.
- Good fruit setting ability.
- Deep green rind with stripes.
- Brix: 12–13%



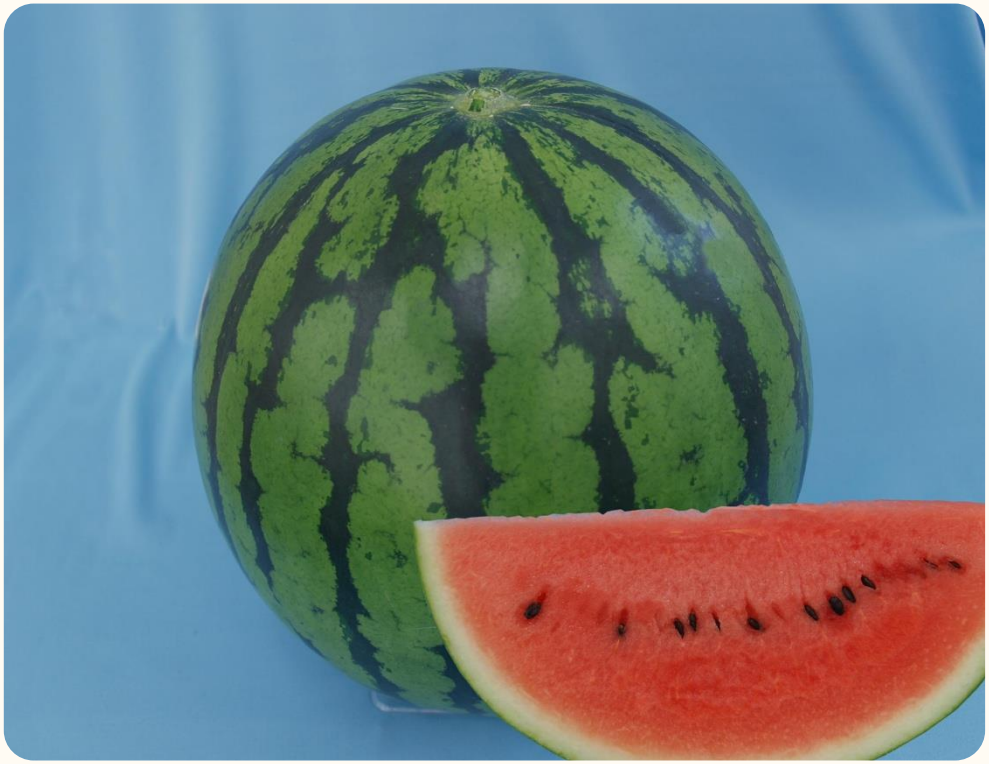


RAOU THE SWEET

Japanese type

Weight	8–9 kg
Maturity	45–47 days after pollination
Shape	High Round

- Disease Resistance to Powdery Mildew and Anthracnose.
- Strong plant vigor.
- Excellent flavor.
- Brix: 12–13%





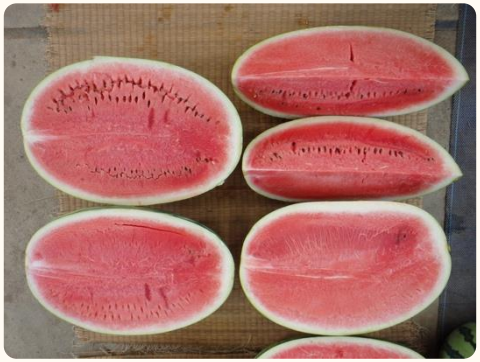
AKAFUJI

Japanese type

Weight	8–12 kg
Maturity	46–47 days after pollination
Shape	Round

- High yield potential.
- Strong plant vigor.
- Brix: 12–13%



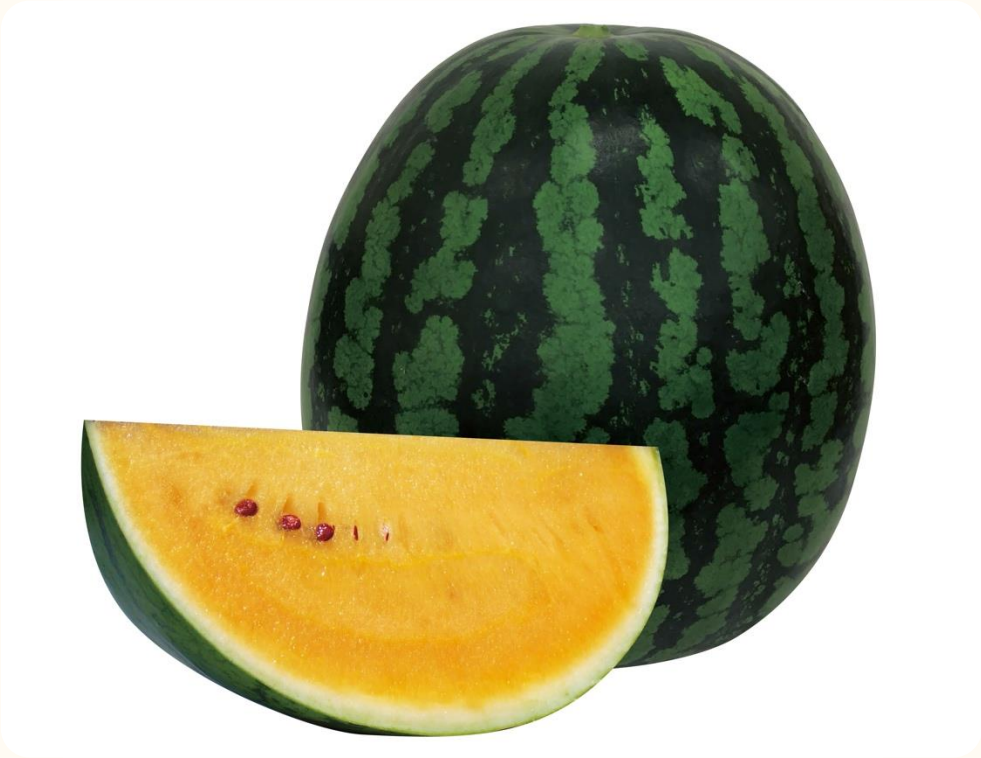


NWF-005

Crimson Sweet watermelon

Weight	10–12 kg
Maturity	45 days after pollination
Shape	Oblong

- Light green rind with green stripes.
- Good fruit setting even under low temperatures.
- Brix: 12–13%



KONJIKI RAOU

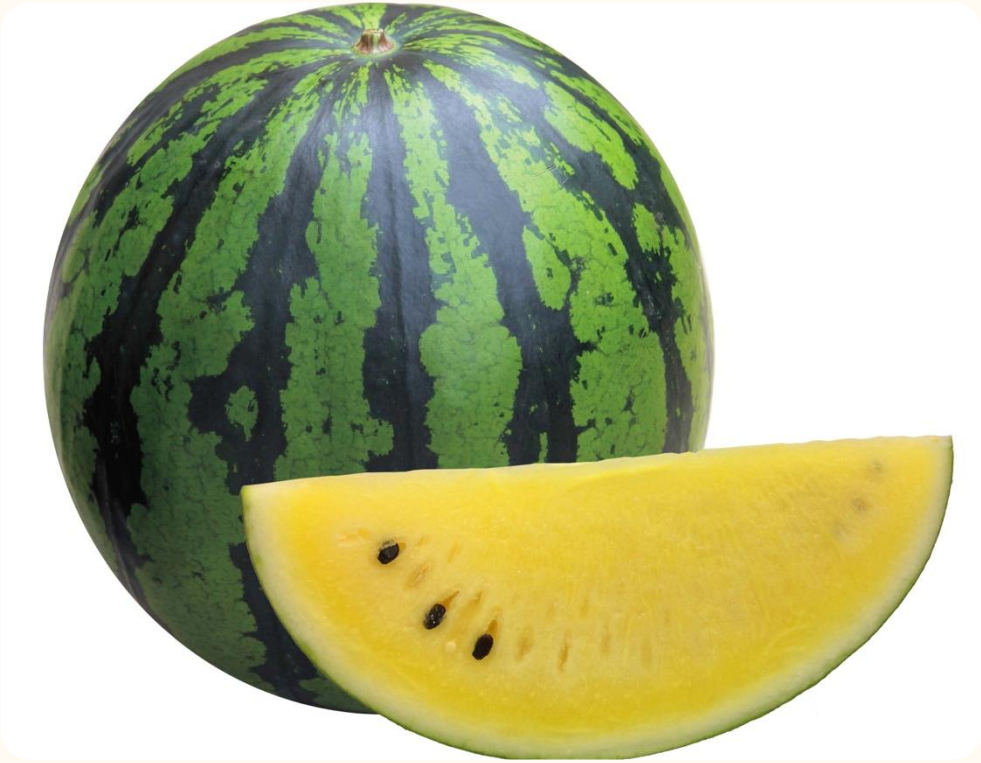
Japanese type

Weight	8–9 kg
Maturity	48–49 days after pollination
Shape	Round

- Excellent flavor with high brix.
- Resistance to Anthracnose.
- Bright yellow flesh.
- Brix: Over 13%, Max: 20.6%





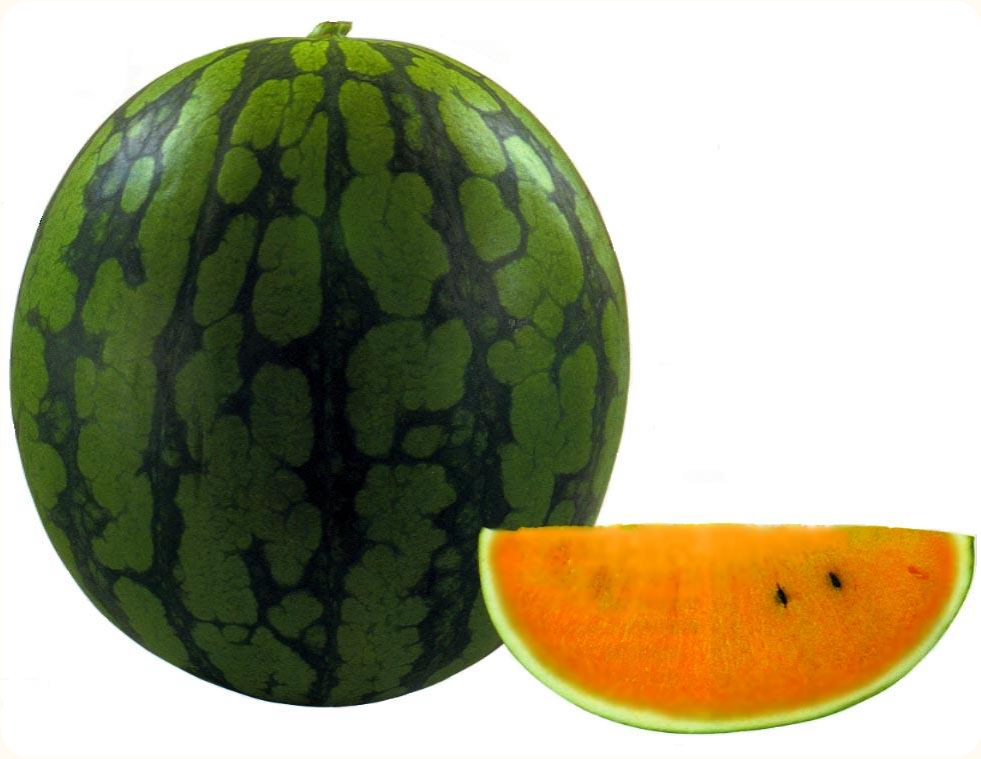


KOGANE SPECIAL

Japanese type

Weight	8–11 kg
Maturity	45 days after pollination
Shape	Globe

- Firm flesh, good for block cut.
- Deep green rind with yellow flesh.
- Brix: 11.5–12%



SUMMER ORANGE MIDDLE

Japanese type

Weight	5–6 kg
Maturity	45 days after pollination
Shape	Globe

- Bright orange flesh.
- Good fruit setting ability.
- Brix: 13%



ORANGE BUONO

Icebox watermelon

Weight	3–4 kg
Maturity	38 days after pollination
Shape	Oblong

- Bright orange flesh.
- Dark green rind with stripes.
- Brix: 12%

NANTO SEED



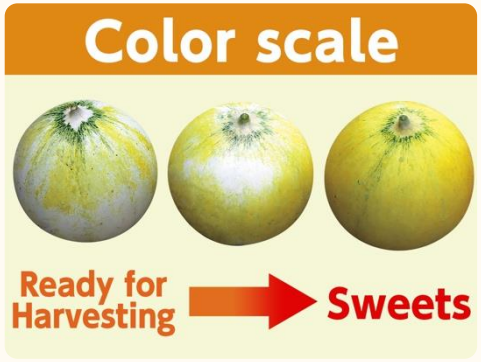
CUPID

No-Netted melon

Weight	0.8–0.9 kg
Maturity	40 days after pollination
Shape	Globe

- Great sweet flavor and consistently high sugar content.
- Color changes when ripen.
- Long shelf life.
- High yield potential.
- Brix: Over 18%





NANTO SEED



APPLEY

No-Netted melon

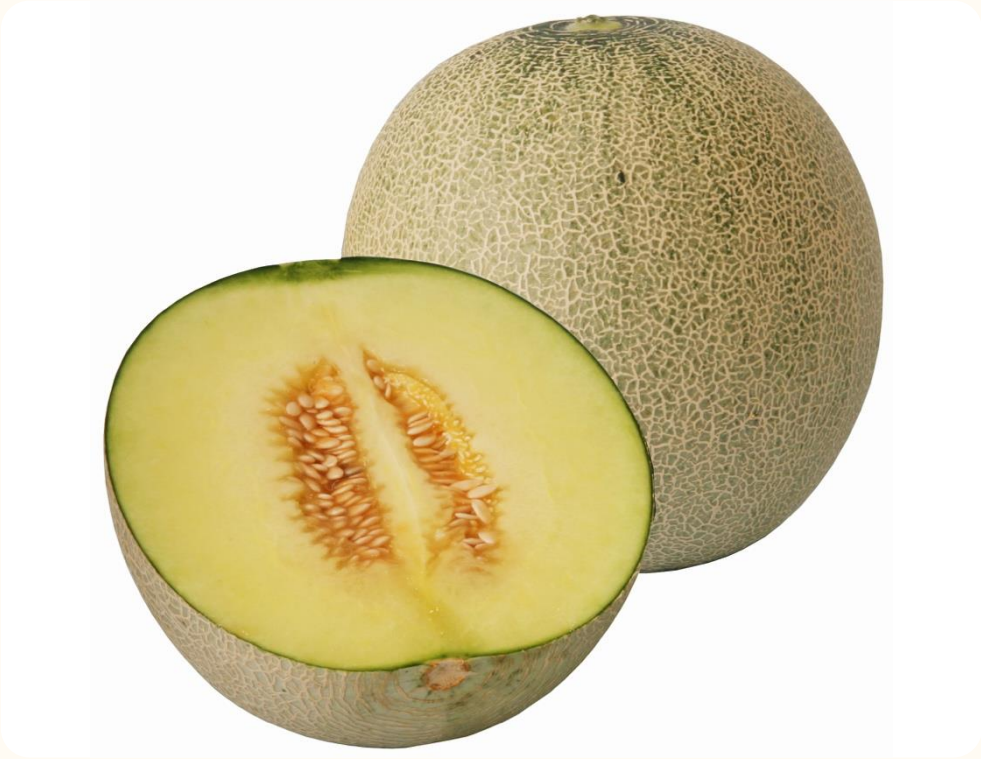
Weight	0.4–0.5 kg
Maturity	30–35 days after pollination
Shape	Pear-shaped

- The skin is thin and fully edible.
- The skin color turns yellow from green when it ripens.
- High yield potential.
- Brix: 13–15%





NANTO SEED



CLARICE

Netted melon

Weight	1.8 kg
Maturity	48–50 days after pollination
Shape	Globe





- Very flavorful taste with juicy texture.
- Thick yellowish green flesh.
- Disease Resistance to Powdery Mildew and Fusarium Wilt Race 0,1&2.
- Brix: 16%





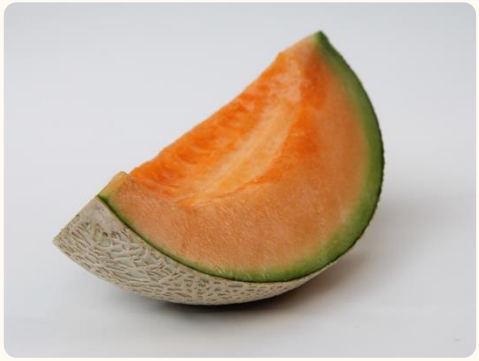
NM-320

Netted melon

Weight	1.6 kg
Maturity	50 days after pollination
Shape	Globe

- Green flesh.
- Strong plant vigorous, suitable for hot season cultivation.
- Disease Resistance to Powdery Mildew and Fusarium Wilt Race 0,1&2.
- Brix: 16%





MARIAGE REFLET

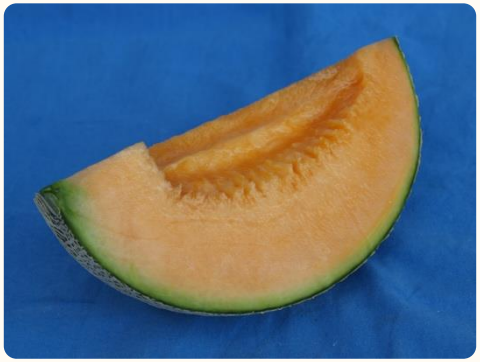
Netted melon

Weight	1.5–2.0 kg
Maturity	55 days after pollination
Shape	Globe to High Round

- Disease Resistance to Powdery Mildew and Fusarium Wilt Race 0,1&2.
- Good fruit setting and yield even under low temperatures.
- Brix: 16%

NANTO SEED





MARIAGE 367

Netted melon

Weight	1.6–2.0 kg
Maturity	55 days after pollination
Shape	Globe to High Round

- Resistance to Powdery Mildew and Fusarium Wilt Race 0,1&2.
- Suitable for hot season cultivation.
- Brix: 16%

NANTO SEED





EARLS MULAN SUMMER

Netted melon

Weight	1.5–2.0 kg
Maturity	55 days after pollination
Shape	Globe to High Round

- Good appearance with grayish white rind and thick net.
- Resistance to Powdery Mildew and Fusarium Wilt Race 0&2.
- Flavorful taste with juicy texture.
- Suitable for summer cultivation.
- Brix: 16%

NANTO SEED





EARLS MULAN

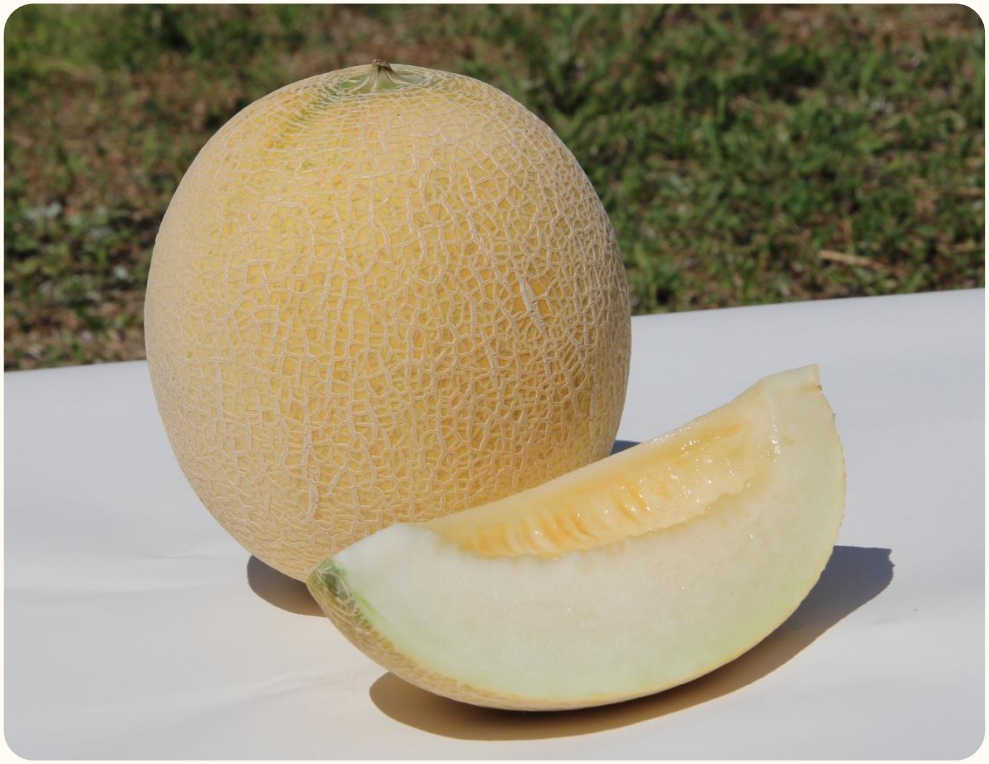
EARLY SPRING / LATE AUTUM

Netted melon

Weight	1.5–2.0 kg
Maturity	52 days after pollination
Shape	Globe to High Round

- Good appearance with grayish white rind and thick net.
- Disease resistance to Powdery Mildew and Fusarium Wilt Race 0&2.
- Flavorful taste with juicy texture.
- Suitable for early spring and late autum cultivation.
- Brix: 16%

NANTO SEED



MOONLIGHT

Netted melon

Weight	1.8 kg
Maturity	48 days after pollination
Shape	High Round

- Disease Resistance to Powdery Mildew and Fusarium Wilt Race 0&2.
- Sweet taste with white green flesh.
- Color changes when ripen, from green to yellow.
- Brix: 15–18%









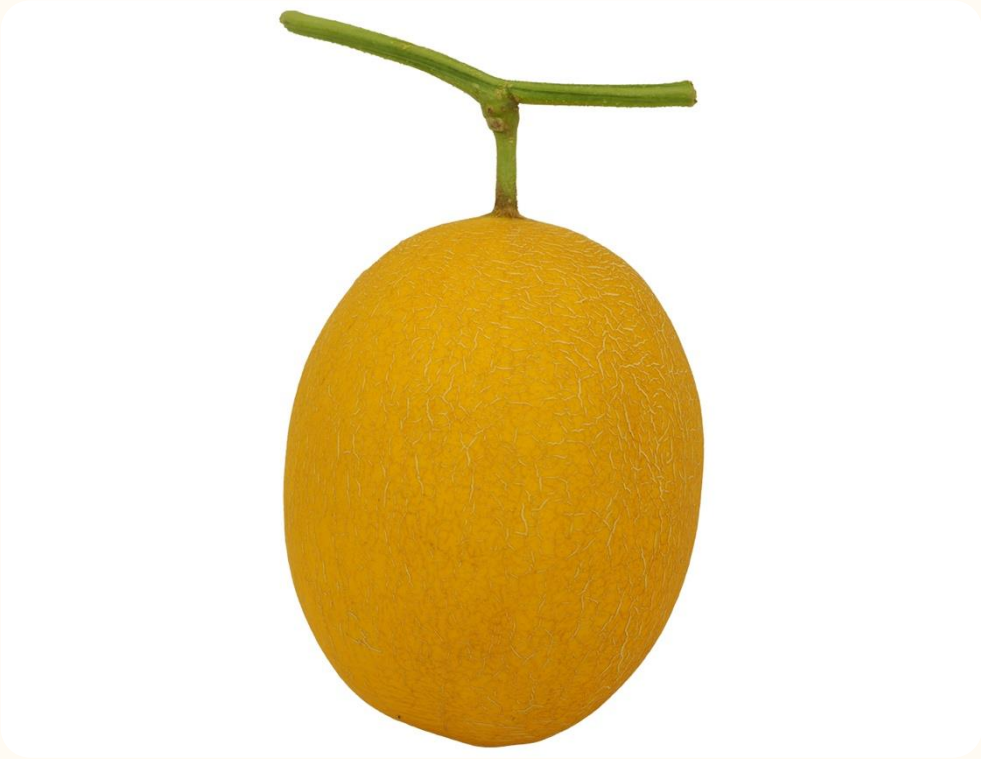
NNM-018

No-Netted melon

Weight	1.5 kg
Maturity	40 days after pollination
Shape	Oval

- Yellow flesh with crispy texture.
- Long shelf life.
- Less cracking.
- Brix: 17%

NANTO SEED





PAR-3001

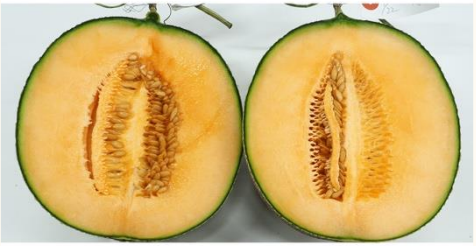
Netted melon

Weight	2–2.3 kg
Maturity	55 days after pollination
Shape	Oval

- Galia type.
- Resistance to Powdery Mildew and Fusarium Wilt Race 0&2.
- Yellow flesh with crispy texture.
- Long shelf life.
- Brix: 15–18%

NANTO SEED





PAR-3002

Netted melon

Weight	2.2–2.5 kg
Maturity	55 days after pollination
Shape	Oval

- Resistance to Powdery Mildew and Fusarium Wilt Race 0,1&2.
- Graiysh green netted rind with sutures.
- Yellow flesh with crispy texture.
- Long shelf life.
- Brix: 15–18%

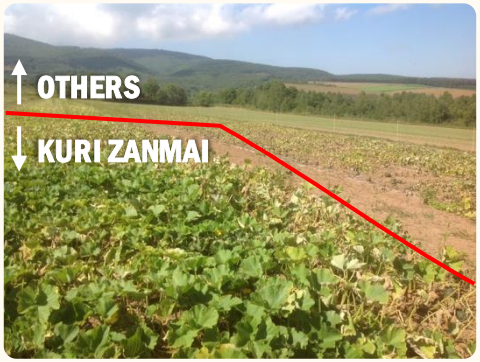


KURIZANMAI

Kabocha

Weight	1.8–2.5 kg
Maturity	About 50 days after flowering
Shape	Flat-round shape

- Good fruits setting ability and high yield potential.
- Sweet taste with a dry, fluffy texture.
- Strong to powdery mildew.
- Dark green rind.
- As the leaves hold well until just before harvest, they help protect the fruit from sunscald.





NANTO SEED



GRAN MONTBLANC

Kabocha

Weight	2–2.5 kg
Maturity	45–50 days after flowering
Shape	Flat-round shape

- Good storage ability.
- Good fruits setting ability, high yield potential.
- Green color remains on the rind even after two months.
- Deep black green rind.
- Very sweet taste with a dry, fluffy texture.





Visual comparison of fruits after two months of storage.





KOFUKI

Kabocha

Weight	1.8–2.4 kg
Maturity	45–50 days after flowering
Shape	Flat-round shape

- Strong to Powdery Mildew.
- Fine-textured, fluffy yet creamy.
- Good fruits setting ability, high yield potential.
- Blackish green rind.



TOKUNOU KOFUKI

Kabocha

Weight	1.7–2.0kg
Maturity	45–50 days after flowering
Shape	Flat-round shape





- Semi-bush type.
- Sweet taste with a dry, fluffy texture.
- Requires fruit set after the 10th node.
- Shiny blackish green rind.



NISHIKI EBISU

Kabocha

Weight	1.5–1.8 kg
Maturity	45 days after flowering
Shape	Flat-round shape

- Easy to grow.
- High yield.
- Thick flesh with good taste.
- Blackish green rind.



SUZUNARI PUMPTY

Kabocha

Weight	700 g
Maturity	37–39 days after flowering
Shape	Flat-round shape

- Semi-bush type.
- A palm-sized fruit with a dark green rind.
- High yield.
- Exceptional fruit setting ability.
- Easy to cook.









MOSS GREEN V

Zucchini

Weight	Around 200 g
Maturity	3–4 days after flowering
Shape	Cylindrical

- Resistance to Zucchini Yellow Mosaic Virus (ZYMV).
- Less spines makes for easy harvesting.
- Strong plant vigorous.
- 18–20 cm long with a diameter of 2.5–3 cm.
- Beautiful, shiny blackish green skin.

NANTO SEED





MOSS YELLOW V

Zucchini

Weight	Around 200 g
Maturity	About 4 days after flowering
Shape	Cylindrical

- Has Resistance to Zucchini Yellow Mosaic Virus (ZYMV).
- Less spines makes for easy harvesting.
- High female flower ratio, contributing to excellent fruit set and yield.
- 18–20 cm long with a diameter of around 3 cm.
- Beautiful, shiny yellow skin.

NANTO SEED



L3 AOI SHISHITO

Shishito Pepper

Weight	3–5 g
Maturity	15–20days after flowering
Shape	Classical shishito shape



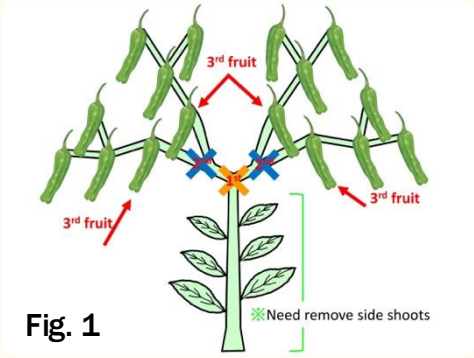


Fig. 1

- Resistant to PMMoV (P1,2)
- Beautiful, glossy green fruits with a thinner wall and no pungency, measuring 5–7cm in length.
- Regular irrigation is essential. Dryness weakens plant vigor and leads to shorter fruit development.
- With well-managed training cultivation, the harvest period can be extended to a maximum of around 100 days in open field.
- About the fruit setting: The 1st fruit and 2nd fruits must be removed. Harvesting must start from the 3rd fruits. （Fig. 1）



EBIZO

Bottle gourd -Lagenaria sp-

Scion	Watermelon
Resistance	Very strong resistance to Fusarium Wilt
Plant vigor	Very strong

- Easy to graft due to its thick hypocotyl.
- Highly tolerance to hot weather.
- The plant is very vigorous, which supports fruit enlargement.



Even at harvest time, the plants show no decline in vigor.





TAIZO

Bottle gourd -Lagenaria sp-

Scion	Watermelon
Resistance	Medium strong resistance to Fusarium Wilt
Plant vigor	Medium-strong

- Easy to graft due to its thick hypocotyl.
- Has strong germination vigor and good seedling uniformity, partly because the seed size is somewhat larger.
- Apply a light basal fertilizer to avoid excessive foliage growth.
- Strong deep-rooting habit.



DENZO

Bottle gourd -Lagenaria sp-

Scion	Watermelon
Resistance	Medium strong Fusarium Wilt
Plant vigor	Medium

- The leaves are small and have a firm texture, which support good fruit set.
- It grows well under low temperatures.
- It requires sufficient fertilizer, 10–20% more than usual.



ICHIZO

Watermelon – Citrullus lanatus-

Scion	Watermelon
Resistance	Resistance to Fusarium Wilt
Plant vigor	Medium

- Strong resistance to Fusarium Wilt.
- Seed size is approximately three times larger than general watermelon seeds.
- Strong growth under high temperatures.
- Excellent heat tolerance.
- Sugar content remains high even when grafted.



※ Wax gourd rootstocks are generally more tolerant to Phomopsis than bottle gourd and are widely used as an effective measure.

RAIZO

Wax gourd -Benincasa hispida-

Scion	Watermelon and Melon
Resistance	Resistance to Fusarium Wilt
Plant vigor	Medium

- Good seedling uniformity.
- Easy to graft.
- Excellent growth under high temperatures.
- The plants maintain steady, long-lasting vigor through the later stages.

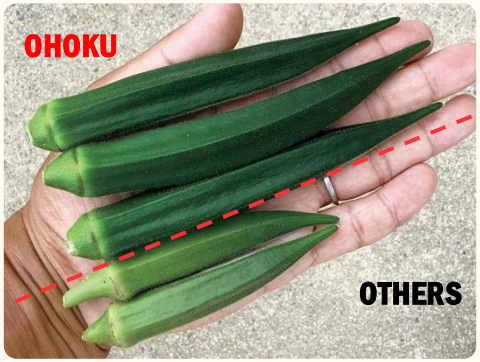
NANTO SEED



OHOKU

Green Okra

Size	10–15 cm
Weight	10–15 g
Shape	Pentagonal



- High yield potential.
- Long shelf life.
- Attractive deep-green pods.
- Reaches about 10 cm in 5 days and 15 cm in 8 days after flowering, yet remains tender, allowing harvesting up to 15 cm and supporting a long harvest period.





WHITE PARASOL

White Okra

Size	8–10 cm
Weight	10 g
Shape	Pentagonal

- High yield potential.
- Reaches about 10 cm in 5 days and 15 cm in 8 days after flowering.





NARUNARU

Japanese cucumber

Size	20–21 cm
Weight	90–100 g
Flowering habit	Subgynoecious

- Japanese burpless type, high productive variety with white spines.
- Strong tolerance to Downy Mildew and Powdery Mildew.
- Parthenocarpic.





KENSHIROU

Sooyow type

Size	21–22 cm
Weight	90–100 g
Flowering habit	Monoecious

- White-spined cucumber.
- Strong tolerance to ZYMV, Downy Mildew and Powdery Mildew.
- Strong plant vigor.
- Parthenocarpic.





DANDAN

Japanese cucumber

Size	21–22 cm
Weight	90–100 g
Flowering habit	Subgynoecious

- Strong tolerance to Target Leaf Spot, Downy Mildew and Powdery Mildew.
- Suitable for long-season production.
- High productivity.
- Parthenocarpic.