



# Hokkaido Pumpkin



South Africa 2021

# From innovation comes Hokkaido pumpkin



Hokkaido pumpkin, also called red kuri squash or orange pumpkin, is a cultivated variety of the Hubbard squash group. Enza Zaden has a dedicated breeding team focused on developing improved hybrids of this revolutionising squash.

## Suggestions for improving the quality and shelf life of your pumpkins

### Optimum time to harvest

The optimum time to harvest a pumpkin is when 70% to 80% of the peduncle (stem) is covered with cork-like material. At this stage most of the leaves on the plant are still green and erect, which will provide a protective canopy of shade to the pumpkins. This will reduce the risk of sunscald damage. Alternatively, you can also check ripeness of the fruits by cutting them in half, removing a couple of seeds and splitting the seeds open. Seeds from a ripe pumpkin would be filled with a whitish, slightly moist, starch-like substance. Should the seeds contain a gelatinous, translucent substance, it signifies that the fruit is not yet mature.

### Storing the fruit

Squash consumption gradually increases in the fall and reaches its peak in winter. As a result, it is beneficial for growers to store their fruits for as long as possible after been harvested at the end of summer. In general Hokkaido type pumpkins have a shorter shelf life when compared to other types of squash. The storability of pumpkin fruits can be improved by minimising or preventing the occurrence of condensation on the fruit. Condensation, caused by high humidity, promotes the development of post-harvest diseases which are caused by fungi and bacteria. To reduce the occurrence of condensation, it is recommended to place the pumpkins in a well-ventilated space with a relative humidity of around 70% and a temperature of between 12°C and 15°C. Good storability allows for market period flexibility – marketing fruits over an extended period will most likely yield better prices. Shelf life is a trait that can be improved by breeding. Choosing superior genetics by selecting suitable hybrid varieties such as Orange Summer and Kaori Kuri by Enza Zaden will enable producers to store their fruits for longer periods.

# Hokkaido Pumpkin/Red Kuri Squash

Attractive appearance, superior flavour and multiple variety options available, each suitable for a diverse range of culinary applications – Enza Zaden have you covered with their Hokkaido pumpkin selection.

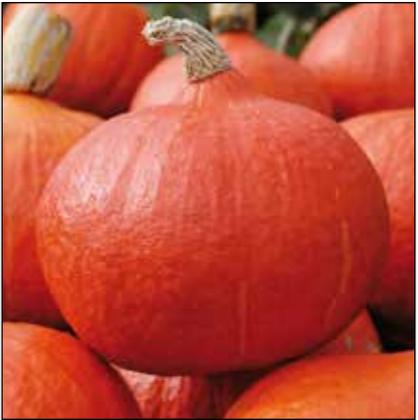
Variety name	Plant type	Recommended plant density/ha	Primary fruit shape	Fruit skin colour	Individual fruit weight in kg
Orange Summer	Vine	12 000 to 14 000	Broad pear shaped	Orange to deep orange	Range from 1.0 to 1.8
Kaori Kuri	Semi bush	12 000 to 14 000	Broad pear shaped	Bright red	Range from 0.8 to 1.4
Flexi Kuri (E30R.00095)	Vine	10 000 to 12 000	Flat round	Shiny, orange-red	Range from 1.2 to 1.8
Kenji Kuri (E30R.00057)	Semi bush	12 000 to 14 000	Flat round	Dark orange	Range from 1.0 to 1.5



## Orange Summer F1

### The quintessential Hokkaido pumpkin

- Early maturing hybrid with high yield potential
- Vigorous, vine plant type
- Uniform fruit complemented with an attractive medium orange to deep orange skin colour
- The attractive, smooth skin is thin and edible
- Very popular variety known for its exceptional flavour
- Standard fruit weight ranges from 1.0kg to 1.8kg
- Fruits grouped at the base of the plant – an advantage when using mulch



Orange Summer F1

## Kaori Kuri F1 (E30R.0041)

### A very robust variety

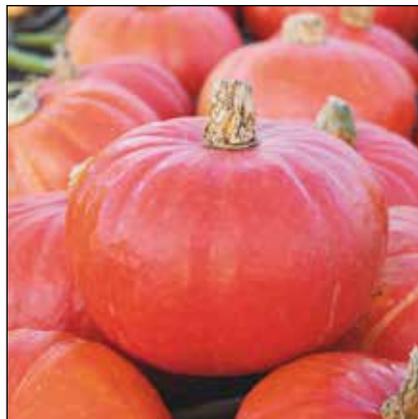
- Very robust and high-yielding
- Semi bush plant type – facilitates weed control
- Early maturing hybrid
- Uniform, round to broad pear-shaped fruits with a very pleasant flavour
- Smooth, shiny, dark red skin (edible)
- Exceptional storability – given harvesting and storage guidelines are followed
- Fruits weigh between 0.8 kg and 1.4 kg
- Disease tolerance: Intermediate resistance (IR): ZYMV/WMV/PRSV



Kaori Kuri F1 (E30R.0041)

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# Hokkaido Pumpkin/Red Kuri Squash



Flexi Kuri F1 (E30R.00095)



Kenji Kuri F1 (E30R.00057)

The impressive new Flexi Kuri F1 (E30R.00095) and Kenji Kuri F1 (E30R.00057) varieties offer excellent quality, long shelf life and high virus tolerance. In addition to the attractive fruit skin colour they are also super sweet and aromatic.

## Flexi Kuri F1 (E30R.00095)

### Uniform and high yielding variety

- Vine plant type, very generative
- High yield potential
- Smooth shiny orange-red, striped skin
- Very good storage capability
- Recommended plant population of 10 000 to 12 000 plants per ha
- Disease package: Intermediate resistance (IR): ZYMV/WMV/PRSV

## Kenji Kuri F1 (E30R.00057)

### Reliability and quality

- Semi-bush plant type
- Very early maturing – earlier maturity cycle than Orange Summer – by approximately 1 week
- Uniform, flat round shaped fruits
- Slightly ribbed, dark orange skin colour
- High dry matter content
- Very good shelf life
- Fruits weigh between 1.0 to 1.5kg
- Disease package: Intermediate resistance (IR): ZYMV/WMV/PRSV – exhibited the highest level of resistance to ZYMV of all varieties

# Resistances

Resistances in varieties of our crops will be coded (please, see our coding list on [www.enzazaden.com](http://www.enzazaden.com) for explanation), unless indicated otherwise.

Varieties claiming the same level of resistance against a specific pest or pathogen may exhibit a different resistance response due to a different genetic makeup of a variety. It is to be noted that if a resistance is claimed in a plant variety it is limited to the specified biotypes, pathotypes, races or strains of the pest or pathogen.

If no biotypes, pathotypes, races or strains are specified in the resistance claim for the variety, it is because no generally accepted classification of the cited pest by biotype, pathotype, race or strain exists. In this case resistance is only claimed against certain not further specified isolates of that pathogen. New biotypes, pathotypes, races or strains that may emerge are not covered by the original resistance claim.

**Immunity:** not subject to attack or infection by a specified pest or pathogen

**Resistance:** the ability of a plant variety to restrict the growth and development of a specified pest or pathogen and/or the damage they cause when compared to susceptible plant varieties under similar environmental conditions and pest or pathogen pressure. Resistant varieties may exhibit some disease symptoms or damage under heavy pest or pathogen pressure.

Two levels of resistance are defined:

- High resistance (HR): plant varieties that highly restrict the growth and development of the specified pest or pathogen under normal pest or pathogen pressure when compared to susceptible varieties. These plant varieties may, however, exhibit some symptoms or damage under heavy pest or pathogen pressure.
- Intermediate resistance (IR): plant varieties that restrict the growth and development of the specified pest or pathogen, but may exhibit a greater range of symptoms or damage compared to highly resistant varieties. Intermediate resistant plant varieties will still show less severe symptoms or damage than susceptible plant varieties when grown under similar environmental conditions and/or pest or pathogen pressure.

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

**Tolerance:** the ability of a plant variety to endure abiotic stress without serious consequences for growth, appearance and yield. Vegetable companies will continue to use tolerance for abiotic stress.

Full explanation available on [www.enzazaden.com](http://www.enzazaden.com)

	Scientific name pathogen ISF	English name	Races/Strains	Code
<b>Pumpkin</b>				
<b>Viruses</b>	Cucumber mosaic virus	Cucumber mosaic		CMV
	Papaya ringspot virus	Papaya ringspot		PRSV
	Watermelon mosaic virus	Watermelon mosaic		WMV
	Zucchini yellow mosaic virus	Zucchini yellows		ZYMV
<b>Fungi</b>	<i>Podosphaeria xanthii</i> (ex <i>Sphaerotheca fuliginea</i> )	Powdery mildew		Px
	<i>Golovinomyces cichoracearum</i> (ex. <i>Erysiphe cichoracearum</i> )	Powdery mildew	1	Gc



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