



Onion



2019

Onion range of Enza Zaden South Africa Commercial



Introduction

Dear customer,

Welcome to the innovative world of Enza Zaden, a world-class vegetable seed company. We specialise in breeding in most vegetable crops including onion, tomato, sweet pepper, cucumber and lettuce to name a few.

South Africa

Enza Zaden began introducing F1 hybrid onions to South Africa through its distributors. On August 1st, 2017 Enza Zaden South Africa Commercial launched its operations as a subsidiary of Enza Zaden from the Netherlands and now serves its customers directly.

Our onions

Enza Zaden has onion breeders and crop specialists all over the world who collaborate very closely and regularly exchange specific knowledge to keep updated on the latest developments in breeding and product performances. New varieties are rigorously trialled across the world, including South Africa, before commercialisation.

Focus and breeding

With a leading breeding team and many years of experience we have gained in-depth market knowledge of world trends like the need for mechanisation, more focus on quality and improved yield. Our production facilities in both northern and southern hemispheres enable us to swiftly respond to market needs.

Short day and intermediate day onions

This brochure gives an overview of short day and intermediate day onion hybrids currently available from Enza Zaden South Africa Commercial. For guidelines on crop slotting and other information, please contact your local area representative or area manager.

We look forward to a lifetime relationship with you and supporting you to make the right variety choices.

The Enza Zaden team

Onion



Chelsea



Madalyn

Yellow

Chelsea

- Day-length:** Very early short day
- Segment:** Fresh market
- Storability:** 2-3 months
- Shape:** Slightly flattened globe
- Size:** 70-100 mm and larger
- Skin quality:** Well retained and good quality of brown skin.
- Variety description:** Very early short day yellow. Good resistance to disease due to stronger roots and plant. A consistently good performing variety.

Madalyn

- Day-length:** Very early short day
- Segment:** Fresh market
- Storability:** 2-3 months
- Shape:** Slightly flattened globe
- Size:** 70-100 mm and larger
- Skin quality:** Well retained and good quality of brown skin.
- Variety description:** A variety in a league of its own due to consistently larger size and exceptional skin colour. A standard variety in the Tolwe area in the Northern Bushveld. Very early short day yellow variety with good yield and single centers.

Yellow

Copperhead (E61S.10346) | new

- Day-length:** Very early short day
- Segment:** Fresh market
- Storability:** 2-3 months
- Shape:** Slightly flattened globe
- Size:** 70-100 mm
- Skin quality:** Very tightly retained skins.
- Variety description:** A new addition for the very early short day slot to be launched in 2018. A yellow variety with very uniform hard bulbs suitable for machine harvest. A unique and revolutionary variety in its class due to firmness, uniformity and skin retention.

Regent (formally Charlize)

- Day-length:** Early short day
- Segment:** Fresh market
- Storability:** 2-3 months
- Shape:** Slightly flattened globe
- Size:** 70-100 mm
- Skin quality:** Well retained and a good quality brown skin.
- Variety description:** A long time mainstay in the early short day slot with good vigour and slightly darker skin colour. The variety is known for its high yield potential and uniformity. A tough, reliable variety performing well in many different conditions and regions.



Copperhead (E61S.10346)



Regent





Onion

Yellow

Samurai | new

Day-length:	Early short day
Segment:	Fresh market
Storability:	2-3 months
Shape:	Globe-Grano
Size:	70-110 mm
Skin quality:	Well retained light brown skin.
Variety description:	Samurai is used in markets where size and single centers are important. It is known for superior skin retention and less greening in the February sowing slot in the northern production areas.

Sirius

Day-length:	Mid short day
Segment:	Fresh market
Storability:	2-3 months
Shape:	Globe
Size:	70-110+ mm
Skin quality:	Well retained light brown skin.
Variety description:	A market leader in its slot in the northern production region. Strong roots; this variety yields excellent size, quality and vigour. Flexible in a wide range of conditions. Good globe shape and nice light brown skin colour. A high yielding variety with strong foliage.



Samurai



Sirius

Onion



Rebecca



Camilla

Yellow

Rebecca

- Day-length:** Mid to late short day
- Segment:** Fresh Market
- Storability:** 1-2 months
- Shape:** Globe-Grano
- Size:** 80-110 mm and larger
- Skin quality:** Well retained light brown skin.
- Variety description:** Large size potential and highly uniform. Strong roots and foliage combination.

Camilla

- Day-length:** Late short day
- Segment:** Fresh market
- Storability:** 1-2 months
- Shape:** Grano-Globe
- Size:** 90-110 mm and larger
- Skin quality:** Well retained good quality.
- Variety description:** An exceptional variety in the December sowing slot in northern production areas. Early maturing variety in its slot. Camilla has outstanding quality, uniformity and shape. Selected for its yield, single centers and good bulb quality.

Yellow

Fernanda

- Day-length:** Late short day
- Segment:** Fresh market
- Storability:** 1-2 months
- Shape:** Grano-Globe
- Size:** 90-110 mm and larger
- Skin quality:** Well retained good quality skin.
- Variety description:** A stalwart variety known for delivering high yields. Strong roots, vigorous plant and strong tops. High yield and good bulb quality.

Baiana | new

- Day-length:** Late short day
- Segment:** Fresh market
- Storability:** 2-3 months
- Shape:** Globe
- Size:** 70-100 mm and larger
- Skin quality:** Well retained good quality skin.
- Variety description:** High yielding, good quality bulbs with superior size in January sowing slot in the northern production areas.



Fernanda



Baiana



Onion



Morena



Python

Yellow

Morena

- Day-length:** Late short day
- Segment:** Fresh market
- Storability:** 3-5 months
- Shape:** Globe
- Size:** 60-90 mm
- Skin quality:** Well retained good quality dark brown skin.
- Variety description:** Yields bulbs with good size, firmness, skin quality and yield with reasonable storability. Perfect for the pre-pack market. It can be used as a transition between early short day material and intermediate/late day material. Flexible variety in a range of conditions.

Python

- Day-length:** Very early / intermediate day
- Segment:** Storage
- Storability:** 4-5 months
- Shape:** Globe
- Size:** 70-95 mm
- Skin quality:** Multiple skins are tightly wrapped and well retained. Dark brown and shiny skin.
- Variety description:** The benchmark variety throughout the country when it comes to quality and storability. It is a very early intermediate day yellow variety with very high quality, firm bulbs, with excellent brown skin colour. For high quality supermarket contracts.

Yellow

Plutonus

- Day-length:** Mid intermediate day
- Segment:** Long storage
- Storability:** 6-9 months
- Shape:** Globe
- Size:** 60-90 mm
- Skin quality:** Exceptional skin quality: Shiny, dark brown, well retained and tightly wrapped.
- Variety description:** Mid intermediate yellow variety with very long storage. High yield and pack-out for storage and export. A revolutionising storage and export variety.

Zircon

- Day-length:** Mid intermediate day
- Segment:** Storage
- Storability:** 4-5 months
- Shape:** Globe
- Size:** 70-100 mm and larger
- Skin quality:** Excellent quality, dark brown skins. Multiple layers of skins that are well retained.
- Variety description:** High yielding and robust mid intermediate yellow variety with dark brown skins. Good storage variety.



Plutonus



Zircon





Onion

Yellow

Samantha

Day-length:	Mid long day
Segment:	Long storage
Storability:	6-8 months
Shape:	Globe
Size:	60-100 mm and larger
Skin quality:	Several layers of skins, tightly wrapped and well retained. Dark brown and shiny skin.
Variety description:	Mid long day yellow variety with excellent bulb quality and good yield. Suited for long storage.

Red

Gamay

Day-length:	Mid to late short day
Segment:	High quality fresh market and storage
Storability:	2-4 months
Shape:	Slightly flattened globe
Size:	70-110 mm and larger
Skin quality:	Well retained good quality red skin.
Variety description:	Mid to late short day red variety with very strong foliage and strong plant. High yielding and good dark red colour. Bulbs have good shape with good bulb firmness, quality and store well.



Samantha



Gamay





Resistances

Resistances in varieties of our crops will be coded (please, see our coding list on 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

Disclaimer

Descriptions, recommendations and illustrations in brochures and leaflets shall correspond as closely as possible to tests and practical experience and are subject to typographical and/or printing errors. This information shall be provided to assist professional growers and users, whereby variable local conditions must be taken into account. Under no circumstances shall Enza Zaden accept liability based on such information for deviating results in the cultivated product. Current information concerning the resistances is available on www.enzazaden.co.za





enzazaden.co.za

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