



Iceberg



Australia 2020

Introduction

Welcome to the innovative world of Enza Zaden, a world-class vegetable breeding company. The majority of our employees works in Research & Development and we invest about 30% of our turnover in R&D. Product development is the engine that drives us. We breed in all major vegetable crops and are a leader in iceberg breeding.

International, but local

Enza Zaden started in 1938, in Enkhuizen, the Netherlands. Today we have breeding stations and seed production facilities all over the world. We are a multi-local company. This means we work with local people. They know all the ins and outs of our sector and their local market.

Australia

Enza Zaden has been active in most main vegetable markets like sweet pepper, cucumber, tomato, onion, cucurbits and leafy vegetables like iceberg, leafy lettuce and cauliflower for years through our distributors. From 2020 we continue that relationship with our distributors, but will also be commercially active as Enza Zaden with our Leafy and Hi-tech product ranges. Before commercialisation, new varieties are trialled rigorously throughout Australian growing regions to ensure they meet our market specifications and grower needs.

Assortment

In this brochure, we present our current commercial iceberg lettuce assortment with some new introductions. Feel free to contact your local representative for variety recommendations. We can help you select the best varieties for your needs! We look forward to working with you.

The Enza Zaden team



New Iceberg varieties

Breeding new Iceberg for everyone, everywhere

We are proud to say we cater for all growers, markets and consumer needs. Our extensive range of iceberg varieties are bred for growers and markets across the world.

Need for quality

Quality and shelf life are standard in all our varieties. Only the best are selected for commercialisation. All varieties are diligently trialled throughout the world to ensure we select varieties that outperform the best.

All year round

Enza Zaden offers high yield varieties that deliver in all seasons. Choose from true winter types like Botiola or Greco for very cold Victorian winter production. Or Glendana for the hot and humid conditions of Queensland.

Varieties for any growing system

Enza Zaden offers varieties that work in any growing system.

Breeding for disease resistance

Enza Zaden is at the fore front of breeding varieties with resistance to the latest strain of Bremia. We also offer varieties with registered Resistance to Fusarium, a problem that many growers face. Varieties like Icemaker and Ronodinla are known internationally for the irrisistance to Big Vein in winter and spring production.

For all markets

Our varieties serve all markets, from medium to large heads with superior wrap for the fresh produce markets. To flat-round heads for punnets or large heads with good internal quality for processing.

For life

Experienced growers will advocate the power of continued development and trialling the latest genetics to keep ahead of the pack. Such development exists based on trust and relationship.





Iceberg

Winter into spring shoulder

Greco | NEW

- Cold season into early spring shoulder.
- Dark green.
- Large-medium head size and frame.
- Cold tolerant.
- Good uniformity.

Diegola

- A cool season variety.
- Large frame and good wrap for head protection.
- Produces highly uniform, round heads even under cool conditions.

Icemaker

- Large iceberg with high leaf count.
- Good Big Vein tolerance.
- Sure heading with good uniformity.

Berruguete | NEW

- True Spring variety.
- Large-medium head size and frame.
- Cold tolerant and versatile.
- Good uniformity and cut out.
- Strong against Big Vein.

Pedrola | STANDARD

- A market standard for the shoulder season.
- Versatile for growing situations that require more size with greater vigour.
- Reliable performer in variable conditions of autumn/early winter and spring.
- Produces large, round heads that sit up off of the ground.
- High cut-out rates and high uniformity.
- Large frame and head size, good head protection.



Diegola



Berruguete



Pedrola

Iceberg



Blas



Glendana



Nolaf

Summer into autumn shoulder

Blas

- Summer iceberg.
- Slow bolting and good internal tipburn tolerance.
- Good field standing ability.
- For summer into autumn production.

Glendana | STANDARD

- Medium sized iceberg.
- Very uniform and adaptable variety with good heat tolerance, also performs well in cooler climates.
- Excellent internal characteristics with a dense heart and a very low core.
- Medium to late maturing, very strong against tipburn and bolting.
- Large frame, round head shape, good leaf cover.

Kravitz (E10E.11220) | NEW

- Medium-sized iceberg.
- For harvesting in autumn.
- Faster maturing.
- Good tolerance to pinking.
- Fast filling and sure heading.

Nolaf (E10E.11266) | NEW

- Medium size, dark green iceberg.
- Autumn to late autumn variety.
- Sure heading and fast maturing.

Witiza (E10E.11224) | NEW

- Medium to large-sized iceberg.
- Best suited for autumn harvest.
- Highly uniform.
- Sure heading smooth leaf variety.
- Dark green.

Autumn - Winter

Botiola | STANDARD

- A winter standard.
- Large sized variety that grows very well throughout winter.
- Delivers reliable packout.
- Forms firm heads with good volume and high weight, even under adverse conditions.

Bombola

- A large lettuce that produces very uniform heads.
- Performs excellent in winter, especially WA and Queensland.
- Large frame, with good protection from frosts.
- Dark green and glossy.

Tesela

- Large iceberg for winter production.
- Large frame, with good frost tolerance.
- Dark green colour, glossy leaf.
- Slow maturing.

Waltz

- Shoulder production, but best suited to autumn/late autumn.
- Large heads and frame.
- Reliable production with good harvestability.

Alquibla

- For winter production Queensland (Pedrola slot).
- Medium to large heads, dark green colour.
- Good field standing ability.



Botiola




Alquibla




Recommended iceberg harvest schedule Australia:

	Variety name	January					February				March				April					May				
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
Victoria and WA	Summer into Autumn	Blas																						
		Glendana STANDARD																						
		Kravitz (E10E.11220) NEW																						
		Nolaf (E10E.11266) NEW																						
		Witiza (E10E.11224) NEW																						
	Cool season (Winter)	Waltz																						
		Botiola STANDARD																						
		Tesela																						
		Bombola																						
		Greco NEW																						
		Diegola																						
	Spring into Summer	Icemaker																						
		Berruguete NEW																						
		Pedrola STANDARD																						
Queensland	Winter into Spring	Pedrola STANDARD																						
		Bombola																						
		Waltz																						
		Alquibla																						
		Glendana STANDARD																						

 = Harvest slot

	June				July					August				September					October				November				December			
	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Victoria and WA																														
Queensland																														

 = Harvest slot

Variety name	Resistances		Size			Season				Growing system
	HR	IR	S	M	L	Sp	Su	Au	Wi	
Blas	Bl:16,21,23,32EU/1-6US/Nr:0	Fol:1		x	x					OF
Glendana STANDARD	Bl:16-36EU/1-9US			x	x					OF
Kravitz (E10E.11220) NEW	Bl:16-36EU/1-9US	LMV:1		x	x					OF
Nolaf (E10E.11266) NEW	Bl:16-36EU/1-9US/Nr:0			x	x					OF
Witiza (E10E.11224) NEW	Bl:16-36EU/1-9US/Nr:0				x					OF
Waltz	Bl:16-27,29,32,34,36EU/1-8US/Nr:0	LMV:1			x					OF
Botiola STANDARD	Bl:16-27,29,32,34,36EU/1-8US				x					OF
Bombola	Bl:16,21,23,32EU/1-6US				x					OF
Tesela	Bl:16-27,29,32,34,36EU/1-8US	LMV:1			x					OF
Alquibla	Bl:16-27,29,32,34,36EU/1-8US			x						OF
Greco NEW	Bl:16-36EU/1-9US				x					OF
Diegola	Bl:16-27,29,32,34,36EU/1-9US				x					OF
Icemaker	Bl:16-36EU/1-9US/Nr:0			x						OF
Berruguete NEW	Bl:16-36EU/1-9US/Nr:0				x					OF
Pedrola STANDARD	Bl:16-27,29,32,34,36EU/1-8US/Nr:0	LMV:1			x					OF

Size: S=Small M=Medium L=Large | Growing system: OF = Open field | = Ideal climate = Mild climate
Season: Sp=Spring Su=Summer Au=Autumn Wi=Winter

HR: High Resistance | IR: Intermediate Resistance | For explanation of the codes of resistances, see the table below.
Current information concerning the resistances is available on www.enzazaden.com.



Resistances

Resistances in varieties of our crops will be coded (see for explanation our coding list at www.enzazaden.com), unless indicated otherwise. In case a variety is resistant to more than one pathogen, the individual resistance codes will be separated by the symbol "/".

- If in a resistance code of a certain variety reference is made to certain strains for which the resistance is claimed, this means that no resistance is claimed to other strains of the same pathogen.
- If in a resistance code no reference is made to strains of the pathogen for which the resistance is claimed, this means that resistance is claimed only to certain not further specified strains of the pathogen and herewith disclaiming any guarantee that the variety will not be infected by the said pathogen.

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 plant 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.

Tolerance (T) – the ability of a plant variety to endure abiotic stress without serious consequences for growth, appearance and yield.

Explanation of used abbreviations

	Code	English name	Scientific name pathogen ISF	Races/Strains	Level of resistance
Viruses	LMV	Lettuce mosaic	Lettuce mosaic virus	1	IR
	TBSV	Lettuce die-back	Tomato bushy stunt virus		HR
Bacteria	Ss	Corky root	Sphingomonas suberifaciens (ex Rhizomonas suberifaciens)		IR
Fungi	Bl	Downy mildew	Bremia lactucae	16-36EU/1-9US	HR
	Fol	Fusarium wilt	Fusarium oxysporum f.sp. lactucae	1	IR/HR
Insects	Nr	Lettuce leaf aphid	Nasonovia ribisnigri	0	HR
	Pb	Lettuce root aphid	Pemphigus bursarius		HR

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.com.



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