

BI:37EU

Resistance makes the difference

1 June 2021



The International Bremia Evaluation Board for the EU (IBEB-EU) recently announced a new race of Bremia, BI:37EU. Our tests confirm that a large part of the Enza Zaden lettuce portfolio is resistant to this new race. Many of our varieties even are resistant to the full range BI:16-37EU. This document gives you an overview of all our lettuce varieties that have this new Bremia BI:37EU resistance. For more information, please visit our website enzazaden.com.



Variety	Resistance	
	HR	IR
Babyleaf		
Alecto	BI:16-37EU/BI:1-9US	LMV:1
Batdark	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Cavendish	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Coda	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Deronda	BI:16-37EU/BI:1-9US/Nr:0	
Diablotin	BI:16-37EU/BI:1-9US	
E01K.30853	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1/Ss
Greenaly	BI:16-37EU/BI:1-9US/Nr:0	
Kailua (E01K.30571)	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Oaking	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Poneloya	BI:16-37EU/BI:1-8US/Nr:0	LMV:1
Preluda	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Rosalo	BI:16-37EU/BI:1-9US/Nr:0	
Running	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Sadawi	BI:16-37EU/BI:1-8US/Nr:0/TBSV	
Taco	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Tannin	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Tantra	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Vida	BI:16-37EU/BI:1-9US/Nr:0	

HR: High Resistance | IR: Intermediate Resistance | For explanation of the codes of resistances, see the last page of this leaflet.

Varieties marked are also available as organic seed from www.vitalisorganicseeds.com. Current information concerning the resistances is available on www.enzazaden.com.

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Batavia Greenhouse		
E01A.30793	Bl:16-37EU/Bl:1-9US/Nr:0	
E01A.30799	Bl:16-37EU/Bl:1-9US	
E01A.30800	Bl:16-37EU/Nr:0	LMV:1
E01A.30805	Bl:16-37EU/Bl:1-9US	
E01A.30867	Bl:16-37EU/Bl:1-9US/Nr:0	
Ferega	Bl:16-37EU/Bl:1-9US/TBSV	
Batavia Outdoor		
E01F.30763	Bl:16-37EU/Bl:1-9US/Nr:0	LMV:1
Butterhead Greenhouse		
Alleria	Bl:16-37EU/Bl:1-9US/Nr:0/TBSV	
Amica	Bl:16-26,28-35,37EU/Bl:1-9US/Nr:0	
Caneira	Bl:16-37EU/Bl:1-9US/Nr:0/TBSV	
Casey	Bl:16-37EU/Bl:1-9US/Nr:0/Pb	
E01B.30770	Bl:16-37EU/Bl:1-9US/TBSV	
E01B.30775	Bl:16-37EU/Bl:1-9US/Nr:0/TBSV	
Espelo	Bl:16-37EU/Bl:1-9US/TBSV	
Espirando	Bl:16-26,28-35,37EU/Bl:1-9US/Nr:0	
Jones (E01B.11914)	Bl:18,22,24,25,28-30,33-35,37EU/Fol:1,4	LMV:1
Marbelo	Bl:16-37EU/Bl:1-9US/Nr:0	
Temira	Bl:16-26,28-37EU/Bl:1-9US	
Butterhead Outdoor		
Aferdita	Bl:16-37EU/Bl:1-9US/Nr:0	LMV:1
Analena	Bl:16-25,27-35,37EU/Bl:1-9US/Nr:0/Pb	LMV:1
Analora	Bl:16-35,37EU/Bl:1-8US/Nr:0	LMV:1
Analotta	Bl:16-37EU/Bl:1-9US/Nr:0	LMV:1
Anandra	Bl:16-35,37EU/Bl:1-8US/Nr:0	LMV:1

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Butterhead Outdoor		
Cuervo	BI:16-25,27-35,37EU/BI:1-9US/Nr:0	
Dicata	BI:16-37EU/BI:1-9US/Nr:0/Pb	LMV:1
Fusandra (E01D.30639)	BI:16-33,37EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Ilona	BI:16-37EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1
Lidetta	BI:16-26,28-30,32-35,37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Milagro	BI:16-35,37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Ovation	BI:17,18,22,24,25,28-30,33-35,37EU/BI:1	LMV:1
Polyeva	BI:16-30,32-35,37EU/BI:1-8US/Nr:0	LMV:1
Sinisa (E01D.30649)	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Takoda	BI:16-37EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1
Valea (E01D.30748)	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Iceberg		
Adanto	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Alesso	BI:16-37EU/BI:1-9US/Nr:0	
Berruguete	BI:16-37EU/BI:1-9US/Nr:0	
Casemiro	BI:16-37EU/BI:1-9US/Nr:0	
Cimano (E01E.11415)	BI:16-37EU/BI:1-9US/Nr:0	
Damion	BI:16-37EU/BI:1-9US	
Danilo	BI:16-37EU/BI:1-9US/Nr:0	
Dillon	BI:16-37EU/BI:1-9US/Nr:0/Pb	
E01E.11400	BI:16-37EU/BI:1-9US/Nr:0	
Eduardo	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Elmundo	BI:16-37EU/BI:1-9US/Nr:0	
Farito	BI:16-37EU/BI:1-9US/Nr:0	
Federico	BI:16-37EU/BI:1-9US/Nr:0	
Firmino	BI:16-37EU/BI:1-9US/Pb	
Firmino Mascherano	BI:16-37EU/BI:1-9US/Pb	

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Iceberg		
Gardist	BI:16-37EU/BI:1-9US/Nr:0	
Gido (E01E.10839)	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Glendana	BI:16-37EU/BI:1-9US	
Gonzalo	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Hagnus	BI:16-37EU/BI:1-9US	
Kravitz	BI:16-37EU/BI:1-9US	LMV:1
Ludmila	BI:16-37EU/BI:1-9US	
Nahifa (E01E.11302)	BI:16-37EU/BI:1-9US/Nr:0	
Napelo (E01E.11136)	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Philemo	BI:16-37EU/BI:1-9US/Nr:0	
Rodolfo	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Ronodinla	BI:16-37EU/BI:1-9US	
Salvio	BI:16-37EU/BI:1-9US/Nr:0/Pb	
Satiko	BI:16-37EU/BI:1-9US	
Severo	BI:16-37EU/BI:1-9US/Nr:0	
Leafy Greenhouse		
Asakgreen	BI:16-37EU/BI:1-9US/Nr:0/TBSV	LMV:1
Boucan (E01C.30772)	BI:16-37EU/BI:1-9US/Nr:0	
E01C.30880	BI:16-37EU/BI:1-9US/Nr:0	
E01C.30919	BI:16-37EU/BI:1-9US/Nr:0	
Lakan	BI:16-37EU/BI:1-9US/Nr:0/TBSV	
Rosalyn	BI:16-37EU/BI:1-9US/Nr:0/TBSV	
Senso	BI:16-37EU/BI:1-9US/Nr:0	
Leafy Outdoor		
Advisor	BI:16-37EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1
Akane (E01L.30617)	BI:16-37EU/BI:1-9US/Nr:0/TBSV	

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Leafy Outdoor		
Alonix	BI:16-37EU/Bl:1-9US/Nr:0/Pb/TBSV	
Animix	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	LMV:1
Ardeor	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	LMV:1
Avenir	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	LMV:1
Baraaka	BI:16-33,35,37EU/Bl:1-9US/Nr:0/TBSV	
Bellevue	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	LMV:1
Buckley	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	
Candyka	BI:16-35,37EU/Bl:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Ezatrix	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	LMV:1
Ezbruke	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	LMV:1
Ezfrill	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	
Ezme	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	
Green Reef	BI:16-37EU/Bl:1-9US/Nr:0/Pb/TBSV	
Hampton	BI:16-37EU/Bl:1-8US/Nr:0/TBSV	LMV:1
Joba (E01L.30627)	BI:16-37EU/Bl:1-9US/Nr:0	
Keli	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	LMV:1
Lea	BI:16-33,35,37EU/Bl:1-9US/Nr:0	Fol:1
Mathix	BI:16-33,37EU/Bl:1-8US/Nr:0/Pb/TBSV	LMV:1
Stanford	BI:16-37EU/Bl:1-9US/Nr:0/TBSV	
Thea	BI:16-37EU/Bl:1-9US/Nr:0	
Romain Greenhouse		
Scalpay	BI:16-37EU/Bl:1-9US/Fol:1/Nr:0/TBSV	
Romain Outdoor		
Adimar (E01G.11654)	BI:16-37EU/Bl:1-9US/Fol:4/Nr:0/TBSV	LMV:1
Andrade	BI:16-37EU/Bl:1-9US	Ss
Aslan	BI:16-28,30-32,37EU/Bl:1,3-5/Fol:1,4/Nr:0/TBSV	LMV:1
Carterham	BI:16-37EU/Bl:1-9US/Fol:1/Nr:0/Pb	LMV:1

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Romain Outdoor		
Cospenza (E01G.11092)	BI:16-37EU/BI:1-9US/Nr:0/TBSV	Ss
Coventry	BI:16-21,23-26,28-37EU/BI:1-9US/Fol:1/Pb	LMV:1
E01G.70236	BI:16,18-37EU/BI:1-9US/Nr:0/Pb/TBSV	Ss
Invernalia	BI:16-37EU/BI:1-9US/Nr:0	LMV:1
Maureen	BI:16-21,23-26,28-37EU/BI:1-9US/Fol:1,4/Pb	
Moonred	BI:16-26,28-37EU/BI:1-9US/Fol:4/TBSV	LMV:1
Newham	BI:16-21,23-26,28-37EU/BI:1-9US/Nr:0/Pb	LMV:1/Ss
Osiride	BI:16-28,30-32,37EU/BI:1-9US/Fol:1,4	LMV:1
Ovired	BI:16-21,23-26,28-37EU/BI:1-9US/Fol:4	
Truchas	BI:16-26,28-37EU/BI:1-9US/TBSV	LMV:1
Xoana	BI:16-37EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1/Ss

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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	16-37EU/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

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. © Enza Zaden, Enkhuizen, June 2021.