

## Resistance makes the difference



July 1 - 2024

The International Bremia Evaluation Board for the EU (IBEB-EU) recently announced a new race of Bremia BI:41EU. Our tests confirm that a significant portion of Enza Zaden's lettuce portfolio shows High resistance to this race. This document gives you an overview of all our lettuce varieties with the new Bremia BI:41EU resistance. For more information, please visit our website [enzazaden.com](http://enzazaden.com)



Variety	Resistance	
	HR	IR
<b>Batavia</b>		
Agrela	BI:29-41EU/BI:1-9US/Nr:0	LMV:1/Fol:4
Amaroza	BI:29-41EU/BI:1-9US/Nr:0	LMV:1/Fol:4
Brenniga	BI:29-41EU/Nr:0	
Fortiga	BI:29-41EU/BI:1-9US/Nr:0	
Gylona	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Liboga	BI:29-41EU/BI:1-9US	Fol:4
Oxela	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Sereniga	BI:29-41EU/BI:1-9US/Nr:0	
Tafta	BI:29-41EU/BI:1-9US/Nr:0	LMV:1/Fol:4
<b>Babyleaf</b>		
Alecto	BI:29-41EU/BI:1-9US	LMV:1
Calafior	BI:29-41EU/BI:1-9US/Nr:0	Fol:1
Carpinteria	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Cavendish	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Cersa	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Diablotin	BI:29-41EU/BI:1-9US	
Digitale	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
E01K.31134	BI:29-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1
E01K.31324	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Ferega	BI:29-41EU/BI:1-9US/TBSV	Fol:4
Greenaly	BI:29-41EU/BI:1-9US/Nr:0	
Kailua	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Kinlar	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Ss/Fol:4
Oaking	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Preluda	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Rosalo	BI:29-41EU/BI:1-9US/Nr:0	
Running	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Taco	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Tannin	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Vida	BI:29-41EU/BI:1-9US/Nr:0	
<b>Butterhead</b>		
Aferdita	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Analotta	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Angelique	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Annare	BI:29-41EU/BI:1-9US/TBSV	
Basidra	BI:29-41EU/BI:1-9US/Nr:0	LMV:1

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

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<b>Butterhead</b>		
Bradley	BI:29-41EU/BI:1-9US/Vd:1/Nr:0/TBSV	
Casey	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Dicata	BI:29-41EU/BI:1-9US/Nr:0/Pb	LMV:1
EO1B.31316	BI:29-41EU/BI:1-9US/Nr:0	Fol:1,4
Finley	BI:29-41EU/BI:1-9US/Nr:0	
Ilona	BI:29-41EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1
Malyeva	BI:29-41EU/BI:1-9US/Nr:0	
Miaka (EO1D.31209)	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Oxmo	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
Sinisa	BI:29-41EU/BI:1-9US/Nr:0	LMV:1/Fol:4
Temira	BI:29-41EU/BI:1-9US	
Valea	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
<b>Eazyleaf</b>		
Buckley	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
Ezatrix	BI:29-41EU/BI:1-8US/Nr:0/TBSV	LMV:1/Fol:4
Ezbourne	BI:29-41EU/BI:1-9US/Fol:4/Nr:0/TBSV	LMV:1/Fol:1
Ezflor	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Ezfrill	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
Ezme	BI:29-41EU/BI:1-8US/Nr:0/TBSV	
Green Reef	BI:29-41EU/BI:1-9US/Nr:0/Pb/TBSV	
Hampton	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Rosalyn	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
<b>Iceberg</b>		
Berruguete	BI:29-41EU/BI:1-9US/Nr:0	Fol:4
Casemiro	BI:29-41EU/BI:1-9US/Nr:0	
EO1E.11746	BI:29-41EU/BI:1-9US/Nr:0	
Eduardo	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Ferro	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Firmino	BI:29-41EU/BI:1-9US/Pb	
Firmino Mascherano	BI:29-41EU/BI:1-9US/Pb	
Gido	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Glendana	BI:29-41EU/BI:1-9US	
Kravitz	BI:29-41EU/BI:1-9US/	LMV:1
Lapeza	BI:29-41EU/BI:1-9US/Fol:4	
Lealdo	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Liano	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Ludmila	BI:29-41EU/BI:1-9US	
Morrizon	BI:29-41EU/BI:1-9US/Nr:0	
Nahifa	BI:29-41EU/BI:1-9US/Nr:0	
Napelo	BI:29-41EU/BI:1-9US/Nr:0/Pb	
Ozzy	BI:29-41EU/BI:1-9US/	
Palmarda	BI:29-41EU/BI:1-9US/	
Philemo	BI:29-41EU/BI:1-9US/Nr:0	
Queence	BI:29-41EU/BI:1-9US/Nr:0	
Salvio	BI:29-41EU/BI:1-9US/Nr:0/Pb	

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<b>Iceberg</b>		
Santino	BI:29-41EU/BI:1-9US/Nr:0	
Satiko	BI:29-41EU/BI:1-9US	
Sunberg	BI:29-41EU/BI:1-9US/Nr:0	
Tence	BI:29-41EU/BI:1-9US/	Fol:4
Thibo	BI:29-41EU/BI:1-9US/Nr:0	
Valeriano	BI:29-41EU/BI:1-9US/Nr:0/Pb	
<b>Leaf Lettuce GH</b>		
Arturo	BI:29-41EU/BI:1-9US/Nr:0	
Asakgreen	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Crismina	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
EO1C.31335	BI:29-41EU/BI:1-9US/Nr:0	Fol:4
EO1C.31425	BI:29-41EU/BI:1-9US/Nr:0	Fol:4
Jezero	BI:29-41EU/BI:1-9US/Nr:0	Fol:4
Mandaro	BI:29-41EU/BI:1-9US/	
Senso	BI:29-41EU/BI:1-9US/Nr:0	Fol:4
<b>Little Gem</b>		
Albenitez	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Alfahuara	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Almagrera	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Alquijote	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Antuza	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Barrameda	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/Pb	
Carterham	BI:29-41EU/BI:1-9US/Fol:1/Nr:0/Pb	LMV:1
Coventry	BI:29-41EU/BI:1-9US/Fol:1/Pb	LMV:1
EO1G.12343	BI:29-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Invernalía	BI:29-41EU/BI:1-9US/Nr:0	LMV:1
Maureen	BI:29-41EU/BI:1-9US/Fol:1,4/Pb	
Newham	BI:29-41EU/BI:1-9US/Nr:0/Pb	LMV:1/Ss
Truchas	BI:29-41EU/BI:1-9US/TBSV	LMV:1
<b>Lollo</b>		
Akane	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
Joba	BI:29-41EU/BI:1-9US/Nr:0	
Keli	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Latoya	BI:29-41EU/BI:1-9US	LMV:1/Fol:1,4
Thea	BI:29-41EU/BI:1-9US/Nr:0	
<b>Mini Romaine</b>		
Flintoff	BI:29-41EU/BI:1-9US/Fol:1/Nr:0/Pb/TBSV	
Hajo	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Harro	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	LMV:1
Landred	BI:29-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Moonred	BI:29-41EU/BI:1-9US/Fol:4/TBSV	LMV:1
Ovired	BI:29-41EU/BI:1-9US/Fol:4	Fol:1
Xanbera	BI:29-41EU/BI:1-9US/Fol:1/Nr:0/Pb/TBSV	LMV:1
Xoana	BI:29-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1

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<b>Mini Romaine</b>		
Xovi	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
<b>Oakleaf</b>		
Alonix	BI:29-41EU/BI:1-9US/Nr:0/Pb/TBSV	
Angelix	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:4
Animix	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Azerix	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Bauer	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Infinitix	BI:29-41EU/BI:1-9US/Nr:0	LMV:1/Fol:4
Lenir	BI:29-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
<b>Romaine</b>		
Adimar	BI:29-41EU/BI:1-9US/Fol:4/Nr:0/TBSV	LMV:1
Boudica	BI:29-41EU/BI:1-9US/Nr:0/TBSV	
E01G.11936	BI:29-41EU/BI:1-9US/Fol:1,4	LMV:1
Jonica	BI:29-41EU/BI:1-9US/Fol:4	
Pandrera	BI:29-41EU/BI:1-9US/Fol:1,4/TBSV	LMV:1

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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	29-41EU/1-9USUS	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