

## Resistance makes the difference



October 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>		
Afabila	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Agila	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1/Fol:1,4
Aveleda	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Bonalisa ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Elmaria	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Equila	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Flexila	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Olana ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Orane ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Ozeka ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Rebaila	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1,4
Sesmaria	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Zoraga	BI:29-36,38-41EU/BI:1-9US/TBSV	
<b>Babyleaf</b>		
Celinet ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Clearwater ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Kiret ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	
Sycamore	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
<b>Butterhead</b>		
Alega	BI:29-36,38-41EU/BI:1-9US	
Amica	BI:29-35,37,38,40,41EU/BI:1-9US/Nr:0	
Analena ✨	BI:29-35,37,38,40,41EU/BI:1-9US/Nr:0/Pb	LMV:1
Analora ✨	BI:29-35,37,38,40,41EU/BI:1-8US/Nr:0	LMV:1
Anandra	BI:29-35,37,38,40,41EU/BI:1-8US/Nr:0	LMV:1
Brighton ✨	BI:29-36,38-41EU/BI:1-9US	
Cuervo	BI:29-35,37,38,40,41EU/BI:1-9US/Nr:0	
Donela ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Espirando	BI:29-35,37,38,40,41EU/BI:1-9US/Nr:0	
Evans	BI:29-36,38-41EU/BI:1-8US/Pb	
Jones	BI:29,30,33-35,37,38,40,41EU/Fol:1,4	LMV:1
Kraken	BI:29-36,38-41EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1
Marciano	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1

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	HR	IR
<b>Butterhead</b>		
Milagro	BI:29-35,37,38,40,41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Ovation	BI:29,30,33-35,37,38,40,41EU/BI:1	LMV:1
Polyeva	BI:29,30,32-35,37,38,40,41EU/BI:1-8US/Nr:0	LMV:1
Vitrinea ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1/Fol:1
<b>Eazyleaf</b>		
Divisor	BI:29-36,38-41EU/BI:1-9US/TBSV	
Budgee	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	
Burgandy	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Bushmaster	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
EOIL.30602	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	Ss/Fol:4
Ezpark	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
Ezrilla	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Eztron	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Heathrow	BI:29-36,38-41EU/BI:1-9US	
Skilton	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
Wildebeast	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
<b>Iceberg</b>		
Asoka ✨	BI:29-36,38-41EU/BI:1-9US/Fol:4	
Buda ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Cellist	BI:29-36,41EU/Nr:0	
Greco	BI:29-36,38-41EU/BI:1-9US	
Icemaker	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Nolaf	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Pelayo ✨	BI:29-36,38-41EU/BI:1-9US	
Piedade	BI:29-36,38-41EU/BI:1-9US	LMV:1
Quetglas ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Sancho	BI:29-36,38-41EU/BI:1-9US	
Troquel	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Witiza	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Zapata	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Zuloaga	BI:29-36,38-41EU/BI:1-9US	
<b>Leaf Lettuce GH</b>		
Chikadee	BI:29-36,38-41EU/BI:1-9US/	
Crispenza	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	
Nighthawk	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Jokary	BI:29-36,38-41EU/BI:1-9US/Nr:0	Fol:1,4
Litska	BI:29-36,38-41EU/BI:1-9US/TBSV	
<b>Little Gem</b>		
Akelarre	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1
Akiens	BI:29-36,38-41EU/BI:1-9US/Fol:1,4/Nr:0	LMV:1
Akre	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1

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	HR	IR
<b>Little Gem</b>		
Alandalus	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1
Alatesta	BI:29-36,38-41EU/BI:1-9US/Fol:1,4	LMV:1
Alatriste	BI:29-36,38-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	LMV:1
Alborada ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	
Alcazaba ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
Alfon	BI:29-36,38-41EU/BI:1-9US/Fol:1,4	LMV:1
Alfonsina	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Alfulvera	BI:29-36,38-41EU/BI:1-9US/Fol:1,4/Nr:0	LMV:1
Aljona	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Alkernia	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1
Almadraba ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/TBSV	LMV:1
Alpera	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Elizium ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/Pb/TBSV	LMV:1
Hampole	BI:29-36,38-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	LMV:1
Incitatos	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	LMV:1
Stonsay	BI:29-36,38-41EU/BI:1-9US/TBSV	
Tregoney ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	
<b>Lollo</b>		
Azirka ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Brietta ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Labiba ✨	BI:29-36,38-41EU/BI:1-9US/Fol:4/Nr:0/TBSV	LMV:1/Fol:1
Mariella	BI:29-36,38-41EU/BI:1-9US/Nr:0	
Vili	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
<b>Mini Romaine</b>		
Faramir ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/Pb	
Hamita ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1/Fol:4
Xamena ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1/Fol:1
Xalbadora ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Xemerius	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1/Ss
Xeruses ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Ximenes ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	LMV:1
Xiomara ✨	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Xisca	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
<b>Oakleaf</b>		
Admir ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
Alzevir ✨	BI:29-36,38-41EU/BI:1-9US/Nr:0	LMV:1
Stelix	BI:29-34,36,41EU/BI:1-9US/Nr:0/TBSV	LMV:1
<b>Romaine</b>		
Airton	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	
Carayuma	BI:29-36,38-41EU/BI:1-9US/Fol:4/Nr:0/TBSV	
Coliseum	BI:29-36,38-41EU/BI:1-8US	Ss

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<b>Romaine</b>		
E01G.12297	BI:29,30,32-41EU/BI:1-6US/Fol:1,4/Nr:0/TBSV	
Hamberg	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Iblea	BI:29-36,38-41EU/BI:1-8US/TBSV	
Jara*	BI:29-36,38-41EU/BI:1-9US/Fol:1,4/Nr:0/TBSV	
Jarlsberg	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	
Kilnsey	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0	
Loveberg	BI:29-36,38-41EU/BI:1-9US/Fol:1/Nr:0/TBSV	LMV:1
Mbria	BI:29-36,38-41EU/BI:1-9US/Fol:1	
Scilla	BI:29-36,38-41EU/BI:1-8US/Fol:4	
Seaberg	BI:29-36,38-41EU/BI:1-9US/Nr:0/TBSV	

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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	BI	Downy mildew	Bremia lactucae	29-41EU/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](http://www.enzazaden.com). © Enza Zaden, Enkhuizen, October 2024.