

BI:41EU

Resistance makes the difference

ENZA ZADEN



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



Variety	Resistance	
	HR	IR
Batavia		
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	
Babyleaf		
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
Butterhead		
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

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

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	HR	IR
Butterhead		
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
Vitrine	BI:29-36,38-41EU/BI:1-9US/Nr:0/Pb/TBSV	LMV:1/Fol:1
Eazyleaf		
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
Iceberg		
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	
Leaf Lettuce GH		
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	
Little Gem		
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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July 1 - 2024



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	HR	IR
Little Gem		
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	
Lollo		
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
Mini Romaine		
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
Oakleaf		
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
Romaine		
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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Romaine		
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