

# Our lettuce varieties with resistance to BI:33EU

22 May 2017





ENZA ZADEN



The International Bremia Evaluation Board for the EU (IBEB-EU) recently announced a new race of Bremia, BI:33EU. Our tests confirm that a large part of the Enza Zaden lettuce portfolio is resistant to this new race and also resistant to the full range of Bremia races BI:16-33EU. This document gives you an overview of all our lettuce varieties that have this new Bremia BI:33EU resistance. For more information, please visit our website [enzazaden.com](http://enzazaden.com).

Variety	Type	Resistance	
		HR	IR
<b>Greenhouse Lettuce</b>			
Ferega	 Batavia	BI:16-33EU/TBSV	
Zoraga (E01A.30410)	 Batavia	BI:16-33EU/TBSV	
Alega	Butterhead	BI:16-33EU	
Amica	Butterhead	BI:16-26,28-33EU/Nr:0	
Brighton	 Butterhead	BI:16-33EU	
Carter	Butterhead	BI:16-33EU	
Coby	Butterhead	BI:16-33EU	
Espelo (E01B.30276)	 Butterhead	BI:16-33EU/TBSV	
Espirando	 Butterhead	BI:16-26,28-33EU/Nr:0	
Fairly	 Butterhead	BI:16-33EU/Nr:0	
Fakto	 Butterhead	BI:16-33EU	
Marbello (E01B.30165)	 Butterhead	BI:16-33EU/Nr:0	
Temira	Butterhead	BI:16-26,28-33EU	
Tunlo	Butterhead	BI:16-33EU/Nr:0/TBSV	
E01C.30377	Oakleaf red	BI:16-33EU/Nr:0/TBSV	
Azory	Lollo Bionda	BI:16-33EU/Nr:0	
Jokary (E01C.30304)	 Lollo Bionda	BI:16-33EU/Nr:0	
Heathrow	Curly green	BI:16-33EU	
Skye	Little Gem green	BI:16-33EU/Nr:0/TBSV	LMV:1
Stonsay	Little Gem green	BI:16-33EU/TBSV	
Tregoney	 Little Gem green	BI:16-33EU/Nr:0/TBSV	

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  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).








# Our lettuce varieties with resistance to BI:33EU

ENZA ZADEN





22 May 2017



Variety	Resistance	
	HR	IR
<b>Butterhead</b>		
Analena 	BI:16-25,27-33EU/Nr:0	LMV:1
Analora 	BI:16-33EU/Nr:0	LMV:1
Analotta (E01D.30136) 	BI:16-33EU/Nr:0	LMV:1
Anandra 	BI:16-33EU/Nr:0	LMV:1
Cuervo	BI:16-25,27-33EU/Nr:0	
Donela 	BI:16-33EU/Nr:0	
Festalora (E01D.30208)	BI:16-33EU/Nr:0/Pb/TBSV	LMV:1/Fol:1
Kraken (E01D.30340)	BI:16-33EU/Nr:0/Pb/TBSV	LMV:1
Lidetta	BI:16-26,28-30,32,33EU/Nr:0/TBSV	LMV:1
Margarita	BI:17,18,22,24,25,28-30,33EU	LMV:1
Ovation	BI:17,18,22,24,25,28-30,33EU	LMV:1
Polyeva	BI:16-30,32,33EU/Nr:0	LMV:1
Vitrine (E01D.30339)	BI:16-33EU/Nr:0/Pb/TBSV	LMV:1/Fol:1
<b>Iceberg</b>		
E01E.10655	BI:16-33EU/Nr:0	
E01E.10659	BI:16-33EU/Nr:0	
E01E.10499	BI:16-33EU/Nr:0	
E01E.10518	BI:16-33EU	
E01E.10398 	BI:16-33EU/Nr:0/Pb	
E01E.10524	BI:16-33EU/Nr:0	
E01E.10756	BI:16-33EU	
E01E.10619	BI:16-33EU/Nr:0/Pb	
Alesso (E01E.10317)	BI:16-33EU/Nr:0/Pb	
Asoka (E01E.10502)	BI:16-33EU	
Buda 	BI:16-33EU/Nr:0	
Canavo (E01E.10627)	BI:16-33EU/Nr:0	
Cellist	BI:16-33EU/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  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).

# Our lettuce varieties with resistance to BI:33EU

ENZA ZADEN





22 May 2017



Variety	Resistance	
	HR	IR
<b>Iceberg</b>		
Clarist 	BI:16-33EU/Nr:0/Pb	
Damion	BI:16-33EU	
Dillon 	BI:16-33EU/Nr:0/Pb	
Eduardo 	BI:16-33EU/Nr:0	
Elmundo 	BI:16-33EU/Nr:0	
Enola	BI:16-33EU	LMV:1
Farito	BI:16-33EU/Nr:0	
Federico	BI:16-33EU/Nr:0	
Foundation	BI:16-33EU	
Gardist	BI:16-33EU/Nr:0	
Gemela 	BI:16-33EU/Nr:0	
Glendana	BI:16-33EU	
Icemaker	BI:16-33EU/Nr:0	
Initiation	BI:16-33EU	
Ludmila	BI:16-33EU	
Mercurio	BI:16-33EU/Pb	
Mossation (E01E.10302)	BI:16-33EU/Nr:0	
Pelayo (E01E.10137) 	BI:16-33EU/Nr:0	
Ronodinla	BI:16-33EU	
Sandpiper	BI:16-33EU/Nr:0	
Severo 	BI:16-33EU/Nr:0	
Trelation (E01E.10401)	BI:16-33EU/Nr:0	
Vytalist 	BI:16-33EU/Nr:0/Pb	
<b>Batavia</b>		
Flexila (E01F.30350) 	BI:16-33EU/Nr:0/TBSV	LMV:1/Fol:1
Olana 	BI:16-33EU/Nr:0/TBSV	LMV:1
Ozeka (E01F.30352) 	BI:16-33EU/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.

Varieties marked  are also available as organic seed from  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).








# Our lettuce varieties with resistance to BI:33EU

22 May 2017





ENZA ZADEN



Variety	Type	Resistance	
		HR	IR
<b>Romaine</b>			
E01G.10647	Romaine green	BI:16-33EU/Nr:0/TBSV	
Rainier 	Romaine green	BI:16-27,29,30,32,33EU/Nr:0/TBSV	Ss
Tuolomne 	Romaine green	BI:16-27,29,30,32,33EU/Nr:0/TBSV	Ss
Velvet	Romaine green	BI:17,18,22,24,25,28-30,33EU	
Ovired 	Romaine red	BI:16-21,23-26,28-33EU	
E01G.10568	Romaine red	BI:16-33EU/Nr:0	LMV:1
Xalbadora (E01G.10273) 	Mini green	BI:16-33EU/Nr:0/TBSV	LMV:1
Xamena 	Mini green	BI:16-33EU/Nr:0/TBSV	LMV:1/Ss
Ximenes (E01G.10477) 	Mini green	BI:16-33EU/Nr:0/TBSV	LMV:1
Xiomara (E01G.10515) 	Mini green	BI:16-33EU/Fol:1/Nr:0/TBSV	LMV:1
Xisca (E01G.10479)	Mini green	BI:16-33EU/Fol:1/Nr:0/TBSV	LMV:1
Xolani (E01G.10514)	Mini green	BI:16-33EU/Fol:1/Nr:0/TBSV	LMV:1
Moonred 	Mini red	BI:16-26,28-33EU/TBSV	LMV:1
Almadraba (E01G.10374)	Little Gem green	BI:16-33EU/Fol:1	LMV:1
Archway	Little Gem green	BI:16-33EU	
Coventry	Little Gem green	BI:16-21,23-26,28-33EU/Pb	LMV:1
Maureen 	Little Gem green	BI:16-21,23-26,28-33EU/Fol:1/Pb	
E01G.10449	Little Gem dark green	BI:16-33EU/Fol:1/Nr:0	LMV:1
Alborada 	Little Gem dark green	BI:16-33EU/Fol:1/Nr:0/TBSV	
Alcazaba 	Little Gem dark green	BI:16-33EU/Nr:0	LMV:1/Ss
Andrade	Little Gem dark green	BI:16-33EU	Ss
Carterham 	Little Gem dark green	BI:16-33EU/Nr:0/Pb	LMV:1
Downham	Little Gem dark green	BI:16-21,23-26,28-33EU/Nr:0/Pb	LMV:1/Ss
Hampole	Little Gem dark green	BI:16-33EU/Fol:1/Nr:0	LMV:1
Newham 	Little Gem dark green	BI:16-21,23-26,28-33EU/Nr:0/Pb	LMV:1/Ss
E01G.10721	Little Gem red	BI:16-33EU/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.

Varieties marked  are also available as organic seed from  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).

# Our lettuce varieties with resistance to BI:33EU

22 May 2017





ENZA ZADEN



Variety	Type	Resistance	
		HR	IR
<b>Romaine</b>			
E01G.10723	Little Gem red	BI:16-33EU/Nr:0/TBSV	LMV:1
Truchas 	Little Gem red	BI:16-33/TBSV	LMV:1
<b>Babyleaf</b>			
E01K0636	Romaine green	BI:16-33EU/Nr:0	LMV:1
Deronda	Romaine red	BI:16-33EU/Nr:0	
Redza	Romaine red	BI:16-21,23-26,28-33EU	
Tamarindo 	Romaine red	BI:16-33EU	
Vida (E01K.30071)	Romaine red	BI:16-33EU/Nr:0	
E01K.30057	Green Leaf/Batavia	BI:16-33EU/Nr:0	LMV:1
Celinet 	Green Leaf/Batavia	BI:16-33EU/Nr:0/TBSV	LMV:1
Kiret (E01K.30259)	Green Leaf/Batavia	BI:16-33EU/Nr:0/TBSV	
Diablotin	Red Leaf/Batavia	BI:16-33EU	
Capsule	Oakleaf green	BI:16-33EU	
Clearwater (E01K.30358) 	Oakleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Oaking 	Oakleaf green	BI:16-33EU/Nr:0	LMV:1
Cavendish (E01K.30356)	Oakleaf red	BI:16-33EU/Nr:0/TBSV	LMV:1
Poneloya	Oakleaf red	BI:16-33EU/Nr:0	LMV:1
Sadawi 	Oakleaf red	BI:16-33EU/Nr:0/TBSV	
Rosfol	Lollo Rossa	BI:16-33EU/Nr:0	
Rosalo 	Lollo Rossa	BI:16-33EU/Nr:0	
Greenaly	Eazyleaf green	BI:16-33EU/Nr:0	
Taco (E01K.30099)	Eazyleaf green	BI:16-33EU/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.

Varieties marked  are also available as organic seed from  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).

# Our lettuce varieties with resistance to BI:33EU

22 May 2017





ENZA ZADEN



Variety	Type	Resistance	
		HR	IR
<b>Oakleaf</b>			
Alzevir (E01L.30443)	Oakleaf green	BI:16-33EU/Nr:0	LMV:1
Avenir 	Oakleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Elixir	Oakleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Palmir	Oakleaf green	BI:16-21,23-26,28-33EU/Nr:0	LMV:1
Plezir 	Oakleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Verdetrix	Oakleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Bellevue 	Oakleaf red	BI:16-33EU/Nr:0/TBSV	LMV:1
Cadix	Oakleaf red	BI:16-33EU/Nr:0/TBSV	LMV:1
Mathix 	Oakleaf red	BI:16-33EU/Nr:0/Pb/TBSV	LMV:1
Opalix (E01L.30216) 	Oakleaf red	BI:16-33EU/Nr:0/TBSV	LMV:1
Stelix (E01L.30313) 	Oakleaf red	BI:16-33EU/Nr:0/TBSV	LMV:1
<b>Lollo</b>			
Dabi 	Lollo Bionda	BI:16-33EU/Nr:0	LMV:1/Fol:1
Ilema 	Lollo Bionda	BI:16-33EU/Nr:0/Pb/TBSV	LMV:1/Fol:1
Vili	Lollo Bionda	BI:16-33EU/Nr:0/TBSV	LMV:1/Fol:1
Azirka (E01L.30190) 	Lollo Rossa	BI:16-33EU/Nr:0/TBSV	LMV:1
Candyka (E01L.30319)	Lollo Rossa	BI:16-33EU/Nr:0/TBSV	LMV:1/Fol:1
Lea 	Lollo Rossa	BI:16-33EU/Nr:0	Fol:1
Liv (E01L.30075)	Lollo Rossa	BI:16-33EU/Nr:0	Fol:1
Loka 	Lollo Rossa	BI:16-33EU/Nr:0/TBSV	Fol:1
<b>Eazy leaf®</b>			
Advisor (E01L.30172)	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Ardeor (E01L.30328)	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Ezatrix	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Ezfrill	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	
Ezrilla (E01L.30080) 	Eazyleaf green	BI:16-33EU/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.

Varieties marked  are also available as organic seed from  | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).

# Our lettuce varieties with resistance to BI:33EU

22 May 2017



ENZA ZADEN



Variety	Type	Resistance	
		HR	IR
Ezthana (E01L.30182)	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Eztron (E01L.30174)	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Green Reef	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	
Greenwood	Eazyleaf green	BI:16-33EU/Nr:0	LMV:1
Hampton	Eazyleaf green	BI:16-33EU/Nr:0/TBSV	LMV:1
Skilton	Eazyleaf green	BI:16-33EU/Nr:0	LMV:1
E01L.30286	Eazyleaf red	BI:16-33EU/Nr:0/TBSV	
E01L.30287	Eazyleaf red	BI:16-33EU/Nr:0/TBSV	
Boynton	Eazyleaf red	BI:16-33EU/Nr:0/TBSV	
Brentwood	Eazyleaf red	BI:16-33EU/Nr:0	Fol:1
Buckley	Eazyleaf red	BI:16-33EU/Nr:0/TBSV	
Ezbruke	Eazyleaf red	BI:16-33EU/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.  
 Varieties marked are also available as organic seed from | Current information concerning the resistances is available on [www.enzazaden.com](http://www.enzazaden.com).

## 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	16-33EU	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, May 2017.