

Variety trial: **Lettuce - Slovene varieties**
Location: **Jablje**
Year: **2017 - spring period plastic greenhouse**

Previous crop: tomato, egg plant

Fertilizing: 20 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

side dressing: fertigation: 19 kg/ha N, 6 kg/ha P₂O₅, 20 kg/ha K₂O, 3 kg/ha MgO

Growing in the plastic tunnel

Planting density: 30 cm x 30 cm; 76,920 plants/ha; planting into three-row stripes

Sowing: 01.02.2017, transplanting: 16.03.2017, harvesting: 26.04. - 11.05.2017

Trial layout: randomized blocks in 3 repetitions, experimental plot 2.34 m²

VARIETY	Origin	Supplier	Type MG=butthead KB=batavia KK=iceberg R=leaf V=cos	Bolting 3=late 7=early	PLANT							YIELD			Comments
					Height cm	Width cm	Weight g	Colour (intensity)	Anthocyanin -absent +=present	Density 3=dense 7=lose	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category	
Dalmatinska ledenka	Sativa	Planta	KBg	/	26	41	957	Z (8)	+	4	722	53,62	72,87	I	susceptible for Bremia lactucae
Posavka	Sativa	Planta	KBg	/	29	46	1040	Z (8)	+	4	788	49,65	67,67	I	susceptible for Bremia lactucae
Bistra	Semenarna	Semenarna	KBg	/	27	50	952	Z (4)	+	4	601	44,88	74,08	I	very large heads are turning over; slightly susceptible for tipburn
Trnovska ledenka	Vrtnarstvo Pustovrh	Vrtnarstvo Pustovrh	KBg	/	22	34	790	Z (4)	+	3	648	40,91	55,50	I	slightly susceptible for tipburn
Šempeterka	Osvald	Osvald	KBg	8	29	41	1014	Z (7)	-	5	772	33,14	52,27	II/1	susceptible for Bremia lactucae
Marija	Sativa	Planta	KBg	8	24	40	772	Z (4)	-	4	558	33,08	54,18	II/1	slightly ununiform; susceptible for Bremia lactucae
Ljubljanska ledenka	KIS	KIS	KBg	/	20	36	622	Z (3)	-	4	450	31,62	43,16	II/1	susceptible for Bremia lactucae
Belokriška	KIS	KIS	KBg	/	24	41	701	Z (3)	-	5	540	31,60	47,69	II/1	
Mima	Semenarna	Semenarna	KBr	9	44	53	958	Z (7)	-	7	712	29,91	68,75	II/2	
Pavlinčica	Verti	Verti	KBg	/	21	37	651	Z (4)	-	3	506	29,66	45,41	II/2	slightly susceptible for tipburn; more susceptible for Botrytis sp.
Vegorka	Semenarna	Semenarna	KBg	7	27	49	931	Z (4)	+	6	629	29,39	57,91	II/2	slightly ununiform; very large heads are turning over; susceptible for Bremia lactucae; more susceptible for Botrytis sp.
Leda	Semenarna	Semenarna	KBg	/	18	38	581	Z (4)	-	3	441	27,16	37,42	II/2	
Anna	Druzovič	Druzovič	KBg	/	19	33	531	Z	/	2	391	18,81	33,50	II/3	
Mean												34,88	54,65		
LSD (0.05)												11,14	8,86		

Year:

Jablje

2017 - spring period open field 1

Previous crop: celery, carrot

Fertilizing: 20 t/ha stable manure, 28 kg/ha N, 80 kg/ha P_2O_5 , 120 kg/ha K_2O

side dressing: 45,9 kg/ha N

Growing in the open field

Planting density: 30 cm x 30 cm; 66,660 plants/ha; planting into three-row stripes

Sowing: 01.02.2017, transplanting: 21.03.2017, harvesting: 19.05 - 01.06.2017

Trial layout: randomized blocks in 3 repetitions, experimental plot 2.7 m²

VARIETY	Origin	Supplier	Type MG=butthead KB=batavia KK=iceberg R=leaf V=cos	Earliness 3=early 7=late	Bolting 3=late 7=early	PLANT								Standing ability (4 °C, 90% RH) 3=good 7=poor	YIELD			Comments
						Height cm	Width cm	Weight g	Colour (intensity)	Anthocyanin +=absent +=present	Density 3=dense 7=lose	Blistering of leaves 3=weak 7=strong	Marketable part weight g		Marketable t/ha	Total t/ha	Yield category	
Pavlinčica	Verti	Verti	KBg	3	6	18	34	618	Z (5)	-	2	7	503	5	33,89	43,02	I	
Bistra	Semenarna	Semenarna	KBg	7	5	20	36	796	RuZ (5)	+	7	5	561	6	33,39	48,31	I	slightly rotting, sunscald on top of the heads
Leda	Semenarna	Semenarna	KBg	3	4	17	33	622	Z (4)	-	2	7	510	5	33,15	41,06	I	
Trnovska ledenka	Vrtnarstvo Pustovrh	Vrtnarstvo Pustovrh	KBg	4	4	22	34	816	Z (4)	+	2	5	611	5	33,09	46,93	I	
Posavka	Sativa	Planta	KBg	4	6	22	38	832	Z (7)	+	5	5	573	7	30,20	51,09	I	rotting, bolting
Marija	Sativa	Planta	KBg	4	7	21	37	720	RuZ (4)	-	6	6	565	6	29,69	44,07	I	open heads, susceptible for Bremia lactucae
Vegorka	Semenarna	Semenarna	KBg	5	5	26	42	758	RuZ (5)	+	8	4	511	7	29,31	49,39	I	ununiform, rotting
Dalmatinska ledenka	Sativa	Planta	KBg	5	6	21	36	757	Z (7)	+	6	6	519	7	24,99	53,37	II/2	rotting, bolting
Ljubljanska ledenka	KIS	KIS	KBg	3	4	19	35	602	RuZ (3)	-	2	7	443	5	24,54	36,00	II/2	
Belokriška	KIS	KIS	KBg	4	5	19	34	586	RuZ (4)	-	3	5	413	5	24,31	42,05	II/2	
Anna	Druzovič	Druzovič	KBg	2	4	16	31	504	RuZ (6)	+	1	8	390	/	23,83	30,27	II/2	
Šempeterka	Osvald	Osvald	KBg	/	8	22	38	688	Z (7)	-	6	6	473	4	20,11	48,52	II/2	open heads, slightly ununiform, bolting, rotting
Mima	Semenarna	Semenarna	KBr	5	9	32	42	806	Z (7)	-	7	8	632	/	18,30	46,92	II/3	bolting
Mean															27,60	44,69		
LSD (0.05)															6,24	5,41		

Variety trial: **Lettuce - Slovene varieties**
Location: **Jablje**
Year: **2017 - spring period open field 2**

Previous crop: crimson clover

Fertilizing: 40 t/ha stable manure, 28 kg/ha N, 80 kg/ha P₂O₅, 120 kg/ha K₂O

side dressing: /

Growing in the open field; soil covering with black PE mulch

Planting density: 30 cm x 30 cm; 66,660 plants/ha; planting into three-row stripes

Sowing: 07.03.2017, transplanting: 10.04.2017, harvesting: 02.06 - 08.06.2017

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.15 m²

VARIETY	Origin	Supplier	Type MC=buttonhead KB=batavia KK=iceberg R=leaf V=cos	Earliness 3=early 7=late	Bolting 3=late 7=early	PLANT							YIELD			Comments
						Height cm	Width cm	Weight g	Colour (intensity)	Anthocyanin -absent +=present	Density 3=dense 7=lose	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category	
Posavka	Sativa	Planta	KBg	6	7	27	39	870	Z (7)	+	5	653	42,38	53,47	I	
Bistra	Semenarna	Semenarna	KBg	6	5	23	45	953	Z (5)	+	6	708	40,43	59,39	I	heads are opening, some tipburn
Unicum	Semenarna	Semenarna	KBg	5	7	29	43	886	Z (4)	+	6	700	38,36	52,66	I	slightly ununiform
Šempeterka	Osvald	Osvald	KBg	5	7	25	42	845	Z (7)	-	7	657	37,23	49,51	I	poor head formation
Pavlinčica	Verti	Verti	KBg	4	7	19	37	745	Z (4)	-	5	580	35,40	45,92	II/1	
Mima	Semenarna	Semenarna	KBr	5	8	31	43	765	Z (8)	-	6	580	34,74	46,24	II/1	
Dalmatinska ledenka	Sativa	Planta	KBg	6	6	27	40	932	Z (7)	+	5	709	34,06	49,01	II/2	susceptible for Bremia lactucae
Leda	Semenarna	Semenarna	KBg	5	4	17	30	675	Z (4)	-	3	549	33,87	43,89	II/2	
Marija	Sativa	Planta	KBg	5	7	23	38	751	Z (3)	-	6	583	31,51	45,91	II/2	open heads
Trnovska ledenka	Vrtnarstvo Pustovrh	Vrtnarstvo Pustovrh	KBg	4	4	17	31	681	Z (4)	+	2	555	30,48	40,77	II/2	
Malbo	S&G	Cvetlice Dornig	KBg	4	2	19	33	735	Z (4)	-	1	573	28,57	45,97	II/3	some decay
Anna	Druzovič	Druzovič	KBg	2	5	18	33	594	Z (5)	+	1	486	22,87	38,20	III	some decay
Vegorka	Semenarna	Semenarna	KBg	6	6	28	43	757	Z (4)	+	8	583	22,44	49,50	III	slightly ununiform; weak formation of heads, very large plants are turning over; internal head decay
Belokriška	KIS	KIS	KBg	4	/	19	39	533	Z (3)	-	5	416	20,03	34,86	III	heads are opening, fast decay
Ljubljanska ledenka	KIS	KIS	KBg	3	5	20	38	622	Z (2)	-	3	485	19,31	35,61	III	fast decay; susceptible for Bremia lactucae
Mean													31,44	46,06		
LSD (0.05)													5,29	3,86		

Year:

Jablje

2017 - spring period open field 3

Previous crop: crimson clover

Fertilizing: 40 t/ha stable manure, 28 kg/ha N, 80 kg/ha P_2O_5 , 120 kg/ha K_2O

side dressing: /

Growing in the open field; soil covering with black PE mulch

Planting density: 30 cm x 30 cm; 66,660 plants/ha; planting into three-row stripes

Sowing: 03.04.2017, transplanting: 04.05.2017, harvesting: 13.06. - 23.06.2017

Trial layout: randomized blocks in 3 repetitions, experimental plot 2.7 m²

VARIETY	Origin	Supplier	Bolting 3=late 7=early	PLANT					YIELD			Comments
				Height cm	Width cm	Weight g	Density 3=dense 7=lose	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category	
Šempeterka	Osvald	Osvald	8	29	43	1010	8	835	44,85	61,57	I	open heads, some rotting
Leda	Semenarna	Semenarna	5	19	35	828	2	690	43,87	53,91	I	
Dalmatinska ledenka	Sativa	Planta	8	30	44	1063	4	880	43,36	60,19	I	bolting
Posavka	Sativa	Planta	8	25	45	1074	3	897	43,01	64,81	I	
Mima	Semenarna	Semenarna	9	33	42	916	8	741	40,67	61,02	II/1	bolting
Trnovska ledenka	Vrtnarstvo Pustovrh	Vrtnarstvo Pustovrh	3	21	37	892	3	728	39,73	51,86	II/1	
Marija	Sativa	Planta	8	24	43	861	7	744	38,47	49,17	II/1	
Pavlinčica	Verti	Verti	7	21	35	779	5	638	37,76	50,10	II/2	
Belokriška	KIS	KIS	3	21	44	923	4	714	35,28	54,42	II/2	bolting, some rotting
Ljubljanska ledenka	KIS	KIS	6	20	37	698	4	548	29,64	45,69	III	weak head formation, rotting
Bistra	Semenarna	Semenarna	5	28	45	953	6	745	28,41	57,36	III	bolting
Anna	Druzovič	Druzovič	4	18	35	615	2	523	28,37	39,01	III	
Vegorka	Semenarna	Semenarna	8	30	45	886	8	744	24,81	61,62	III	slightly ununiform; weak formation of heads; tipburn, rotting and internal head decay
Unicum	Semenarna	Semenarna	8	33	47	1038	5	760	18,72	58,57	III	bolting, rotting
Mean									35,50	54,95		
LSD (0.05)									5,51	5,24		