

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.00 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	POD															YIELD										Comments	
				Width mm	Length cm	Thickness mm	Weight g	Ground colour (intensity)	Cross section shape	Curvature 3=slight 7=strong	Stringiness - =absent ++ =present	Parchment - =absent ++ =present	Olesonitey /lignification 3=poor/late 5=weak/medium 7=good/early	Texture of surface 3=smooth 7=rough	Number of grains	Shelf life 3=good 7=poor	Taste 3=good 7=poor	Class %			Month %			Marketable t/ha	Total t/ha	Yield category				
																		I	II	Waste	6	7	8							
Limka	Holand Select	Zeleni Hit + Semenarna	3	17	22	5	16	Z (5)	narrow ovate	1	1	1	6	4	6-8	4	5	83	12	5	38	48	14	49,14	51,50	I				
Priver	Semillas Fito	Picount	3	19	21	5	16	Z (5)	narrow ovate	3	1	1	7	3	6-8	5	5	83	12	5	38	49	13	47,46	49,78	II/1				
Helda	Semillas Fito	Picount	5	19	18	6	16	Z (4)	narrow ovate	2	1	1	4	4	5-7	2	4	75	21	4	31	55	14	44,23	46,16	II/1				
Golden Gate	Holand Select	Zeleni Hit + Semenarna	2	20	21	6	17	Ru (4)	ovate	3	1	1	7	1	6-7	5	6	82	14	4	48	45	7	42,00	43,59	II/2	approx. 20% of plants with green pods			
Perolar	Semillas Fito	Picount	6	19	18	6	15	Z (4)	narrow ovate	1	1	1	6	4	6-8	3	5	74	21	5	20	69	11	41,22	43,26	II/2				
Meraviglia di V. a grano	Sativa	Planta	4	16	18	5	13	Ru (3)	narrow ovate	3	1	1	5	3	4-8	5	5	84	11	5	39	52	9	37,47	39,40	II/2				
Kaimano	Sativa	Planta	6	16	19	5	11	Ru (3)	ovate	4	1	1	6	3	6-8	7	5	79	15	6	31	64	5	23,94	25,41	III				
Barianec	Semenarna	Semenarna	7	17	15	5	8,8	Ru (3)	narrow ovate	2	1	1	3	5	7	5	4	72	21	7	6	87	7	21,88	23,38	III	pods frequently slightly green yellow			
Mean																									38,42		40,31			
LSD (0.05)																									9,09		8,36			

Variety trial: Beans -climbing french beans

Location: Ptuj

Year: 2017

Previous crop: watermelon and melon

Fertilizing: 60 kg/ha N, 120 kg/ha P₂O₅, 220 kg/ha K₂O, 20 kg/ha MgO, 210 kg/ha SO₃

side dressing: 20 kg/ha N, 20 kg/ha P₂O₅, 20 kg/ha K₂O + microelements

Growing in the plastic tunnel; soil covering with black PE mulch; drip irrigation; growing with the support (net)

Planting density: 150 cm x 20 cm, 3 seeds per seeding site; target crop density 80,000 plants/ha

Sowing: 19.04.2017, thinning: 05.05.2017 and 24.05.2017, harvesting: 16.06. - 21.08.2017 , 15 harvests

Trial layout: randomized blocks in 3 repetitions, experimental plot 1.80 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	Branching 3=weak 7=strong	POD										YIELD								Comments								
					Width mm	Length cm	Thickness mm	Weight g	Ground colour (intensity)	Curvature 3=slight 7=strong	Stringiness - =absent + =present	Parchment - =absent + =present	Texture of surface 3=smooth 7=rough	Number of grains	Class %			Month %			Marketable t/ha	Total t/ha		Yield category							
															I	II	Waste	6	7	8											
Priver	Semillas Fito	Picount	4	5	19	24	5	17,6	Z (4)	1	1	1	4	7-9	84	10	6	32	41	27	72,52	77,07	II/1								
Limka	Holand Select	Zeleni Hit + Semenarna	2	5	19	23	5	20	Z (4)	2	1	1	3	7-9	84	11	5	52	27	21	71,48	75,70	II/1								
Helda	Semillas Fito	Picount	3	6	18	18	6	17,6	Z (4)	2	1	1	3	6-8	84	11	5	44	43	13	64,07	67,19	II/2	pods frequently deformed (hook-shaped) due to poor pollination							
Golden Gate	Holand Select	Zeleni Hit + Semenarna	3	4	21	21	5	21	Ru (3)	2	1	1	1	6-8	80	13	7	43	34	23	63,08	67,84	II/2	approx. 5% of plants with green pods							
Meraviglia di V. a grano	Sativa	Planta	4	3	18	21	4	15,6	Ru (4)	3	1	1	1	8-10	81	13	6	41	38	21	58,73	62,20	II/2	pods frequently deformed (hook-shaped) due to poor pollination							
Barianec	Semenarna	Semenarna	7	6	18	14	5	10,6	Ru (2)	2	1	1	3	5-7	86	11	3	24	56	20	51,66	53,56	II/2	approx. 3% of plants with green pods; pods frequently slightly green yellow							
Perolar	Semillas Fito	Picount	6	5	19	17	6	14,6	Z (4)	2	1	1	3	6-8	81	8	11	36	59	5	44,94	50,33	II/3								
Kaimano	Sativa	Planta	5	5	17	18	4	13,4	Ru (3)	2	1	1	1	7-9	79	13	8	44	41	15	44,63	48,48	II/3	approx. 3% of plants with green pods							
Mean																							58,89			62,80					
LSD (0.05)																							17,61			17,12					

Variety trial: Beans -climbing french beans

Location: Vrtojba

Year: 2017

Previous crop: pepper

Fertilizing: 25 kg/ha N, 60 kg/ha P₂O₅, 120 kg/ha K₂O

side dressing: 25 kg/ha N, 18 kg/ha P₂O₅, 56 kg/ha K₂O, 6 kg/ha MgO

Growing in the open field; soil covering with black PE mulch; drip irrigation; growing with the support (net)

Planting density: 150 cm x 20 cm, 3 seeds per seeding site; target crop density 80,000 plants/ha

Sowing: 20.04.2017, thinning: 12.05.2017, harvesting: 22.06. - 08.08.2017, 12 harvests

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.00 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	Branching 3=weak 7=strong	POD										YIELD										Comments							
					Width mm	Length cm	Thickness mm	Weight g	Ground colour (intensity)	Cross section shape	Curvature 3=slight 7=strong	Texture of surface 3=smooth 7=rough	Number of grains	Class %			Month %			Marketable t/ha	Total t/ha	Yield category										
														I	II	Waste	6	7	8													
Priver	Semillas Fito	Picount	3	5	15	17	4	9	Z (6)	narrow ovate	2	4	6-8	93	4	3	35	47	18	42,11	43,28	I										
Helda	Semillas Fito	Picount	4	6	18	14	6	12	Z (5)	narrow ovate	3	3	5-7	90	7	3	30	58	12	38,36	39,69	I										
Limka	Holand Select	Zeleni Hit + Semenarna	3	4	16	18	5	12	Z (6)	narrow ovate	2	2	5-7	91	5	4	41	46	13	35,20	36,51	II/1										
Golden Gate	Holand Select	Zeleni Hit + Semenarna	5	4	17	16	5	11	Ru (5)	narrow ovate	4	1	4-6	77	11	12	22	73	5	30,83	34,89	II/2	approx. 5% of plants with green pods									
Meraviglia di V. a grano	Sativa	Planta	6	2	16	17	5	11	Ru (5)	narrow ovate	3	2	6-8	83	12	5	20	77	3	27,36	28,83	II/3	approx. 3% of plants with green pods									
Perolar	Semillas Fito	Picount	6	6	20	14	5	14	Z (5)	narrow ovate	2	4	4-6	81	12	7	16	72	12	25,55	27,58	II/3										
Kaimano	Sativa	Planta	5	7	17	16	5	8,8	Ru (3)	narrow ovate	3	2	5-7	80	9	11	24	72	4	23,68	26,73	III										
Barianec	Semenarna	Semenarna	7	8	16	12	4	6,6	Ru (2)	narrow ovate	2	4	5-7	86	10	4	13	70	17	22,03	22,96	III	pods frequently slightly green yellow									
Mean																													30,64	32,56		
LSD (0.05)																													5,29	5,28		