

Variety trial:**Leek****Location:****Jablje - 1. harvest****Year:****2016**

Previous crop: peas

Fertilization: 40 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

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

Planting density: 30 cm x 20 cm; 100.000 plants/ha, transplanting into three-row stripes

Sowing: 11.03.2016, transplanting: 10.05.2016, harvesting: 25.08.2016

Trial layout: randomized block design in 3 repetitions, plot size 1,80 m²

VARIETY	Origin	Supplier	PLANT				SHAFT					YIELD		
			Height cm	Leaves colour	Colour intensity 3=light 7=dark	Length cm	Height cm	Width cm	Bulbing 3=weak 7=strong	Blanching 3=good 7=poor	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category
Volta F1	Seminis	Semenarna	69	Z	3	33	20	4,0	3	4	291	21,04	21,19	I
Domači dolgi	Royal Seeds	Semina	103	RuZ	6	53	33	4,2	2	6	284	18,75	19,20	I
Varna	Seminis-RS	Semenarna	94	RuZ	6	54	34	4,4	3	2	327	18,75	19,04	I
Sevilla	Syngenta	Semina	79	SZ	3	34	20	4,0	4	4	228	16,25	16,68	II/2
Lancia	Bejo Zaden	Agrocasol plus	74	Z	4	33	18	4,1	3	7	236	15,73	16,34	II/2
Nestor F1	Esasem	Cabo d.o.o.	68	SZ	3	30	18	3,5	4	8	194	13,88	14,17	II/3
Lancelot	Bejo Zaden	Agrocasol plus	59	SZ	3	27	16	4,2	2	3	244	13,03	13,89	II/3
Axima	Vitalis Biologische Zaden	Zeleni hit	63	SZ	5	30	16	3,9	5	7	205	12,67	13,37	III
Forrest	Bejo Zaden	Agrocasol plus	61	SZ	5	21	11	3,4	3	6	151	9,30	10,05	III
Mean												15,49	15,99	
LSD (0.05)												2,78	2,49	

Variety trial: Leek
Location: Jablje - 2. harvest
Year: 2016

Previous crop: peas

Fertilization: 40 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

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

Planting density: 30 cm x 20 cm; 100.000 plants/ha, transplanting into three-row stripes

Sowing: 11.03.2016, transplanting: 10.05.2016, harvesting: 08.09.2016

Trial layout: randomized block design in 3 repetitions, plot size 1,80 m²

VARIETY	Origin	Supplier	PLANT		SHAFT					YIELD		
			Height cm	Length cm	Height cm	Width cm	Bulbing 3=weak 7=strong	Blanching 3=good 7=poor	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category
Domači dolgi	Royal Seeds	Semina	109	58	39	4,6	8	2	321	20,55	21,67	I
Varna	Seminis-RS	Semenarna	101	53	36	4,6	8	4	320	19,89	20,89	I
Volta F1	Seminis	Semenarna	71	39	21	3,9	/	/	260	16,36	16,77	II/1
Lancia	Bejo Zaden	Agrocasol plus	76	38	21	3,9	2	4	251	14,81	15,52	II/2
Sevilla	Syngenta	Semina	71	39	23	3,7	6	5	204	13,77	14,18	II/2
Lancelot	Bejo Zaden	Agrocasol plus	66	34	19	3,8	5	5	195	13,28	13,76	II/2
Axima	Vitalis Biologische Zaden	Zeleni hit	68	32	16	3,7	3	5	195	10,84	11,29	III
Forrest	Bejo Zaden	Agrocasol plus	65	27	12	3,7	7	6	171	9,41	10,17	III
Nestor F1	Esasem	Cabo d.o.o.	75	43	19	3,2	3	8	164	8,81	9,96	III
Mean										14,19	14,91	
LSD (0.05)										2,78	2,68	

Variety trial: Leek
Location: Jablje - 3. harvest
Year: 2016

Previous crop: peas

Fertilization: 40 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

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

Planting density: 30 cm x 20 cm; 100.000 plants/ha, transplanting into three-row stripes

Sowing: 11.03.2016, transplanting: 10.05.2016, harvesting: 22.09.2016

Trial layout: randomized block design in 3 repetitions, plot size 1,80 m²

VARIETY	Origin	Supplier	PLANT		SHAFT					YIELD		
			Height cm	Length cm	Height cm	Width cm	Bulbing 3= <i>weak</i> 7= <i>strong</i>	Blanching 3= <i>good</i> 7= <i>poor</i>	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category
Domači dolgi	Royal Seeds	Semina	111	62	42	4,6	7	2	372	20,71	21,40	I
Varna	Seminis-RS	Semenarna	103	68	44	4,6	8	3	382	18,89	20,15	I
Lancia	Bejo Zaden	Agrocasol plus	78	42	25	4,1	6	1	293	17,19	17,81	I
Volta F1	Seminis	Semenarna	81	37	24	3,5	3	3	219	13,56	14,46	II/2
Sevilla	Syngenta	Semina	82	38	20	3,7	5	4	225	13,22	13,63	II/2
Lancelot	Bejo Zaden	Agrocasol plus	70	37	20	4,0	4	2	234	12,94	13,69	II/2
Axima	Vitalis Biologische Zaden	Zeleni hit	69	33	19	3,4	7	2	169	10,48	11,44	III
Nestor F1	Esasem	Cabo d.o.o.	80	38	23	3,5	4	5	207	9,05	10,45	III
Forrest	Bejo Zaden	Agrocasol plus	59	29	14	3,5	7	5	169	8,42	9,20	III
Mean										13,83	14,69	
LSD (0.05)										3,12	2,72	

Variety trial:**Leek****Location:****Jablje - 4. harvest****Year:****2016**

Previous crop: peas

Fertilization: 40 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

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

Planting density: 30 cm x 20 cm; 100.000 plants/ha, transplanting into three-row stripes

Sowing: 11.03.2016, transplanting: 10.05.2016, harvesting: 06.10.2016

Trial layout: randomized block design in 3 repetitions, plot size 1,80 m²

VARIETY	Origin	Supplier	PLANT		SHAFT					YIELD		
			Height cm	Length cm	Height cm	Width cm	Bulbing 3= <i>weak</i> 7= <i>strong</i>	Blanching 3= <i>good</i> 7= <i>poor</i>	Marketable part weight g	Marketable t/ha	Total t/ha	Yield category
Domači dolgi	Royal Seeds	Semina	119	62	40	4,1	8	3	297	23,25	23,52	I
Varna	Seminis-RS	Semenarna	109	69	44	4,4	8	3	350	18,26	19,93	I
Lancia	Bejo Zaden	Agrocasol plus	82	46	26	3,7	3	3	267	17,58	17,73	I
Volta F1	Seminis	Semenarna	86	46	25	3,3	2	2	226	14,96	15,33	II/2
Sevilla	Syngenta	Semina	84	40	21	3,5	3	1	199	13,46	13,91	II/2
Axima	Vitalis Biologische Zaden	Zeleni hit	76	41	21	3,8	5	4	209	12,84	13,39	II/3
Lancelot	Bejo Zaden	Agrocasol plus	75	39	21	3,6	3	1	220	11,80	12,51	II/3
Forrest	Bejo Zaden	Agrocasol plus	63	29	15	3,4	6	4	166	9,44	9,87	III
Nestor F1	Esasem	Cabo d.o.o.	89	41	25	2,6	2	4	138	8,93	9,89	III
Mean										14,50	15,12	
LSD (0.05)										2,94	2,75	

Variety trial:

Leek

Location:

Jablje - total

Year:

2016

Previous crop: peas

Fertilization: 40 t/ha stable manure, 102 kg/ha N, 60 kg/ha P₂O₅, 270 kg/ha K₂O

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

Planting density: 30 cm x 20 cm; 100.000 plants/ha, transplanting into three-row stripes

Sowing: 11.03.2016, transplanting: 10.05.2016, harvesting: 25.08., 08.09., 22.09. and 06.10.2016

Trial layout: randomized block design in 3 repetitions, plot size 7,20 m²

VARIETY	Origin	Supplier	YIELD		
			Marketable t/ha	Total t/ha	Yield category
Domači dolgi	Royal Seeds	Semina	20,76	21,40	I
Varna	Seminis-RS	Semenarna	18,93	19,99	I
Volta F1	Seminis	Semenarna	16,43	16,89	II/1
Lancia	Bejo Zaden	Agrocasol plus	16,33	16,85	II/1
Sevilla	Syngenta	Semina	14,16	14,59	II/2
Lancelot	Bejo Zaden	Agrocasol plus	12,66	13,37	II/3
Axima	Vitalis Biologische Zaden	Zeleni hit	11,71	12,38	III
Nestor F1	Esasem	Cabo d.o.o.	10,16	11,11	III
Forrest	Bejo Zaden	Agrocasol plus	9,14	9,83	III
Mean			14,48	15,16	
LSD (0.05)			2,10	1,96	