

Variety trial: Bean - dwarf for dry beans

Location: Jablje

Year: 2018

Previous crop: chicory

Fertilizing: 20 t/ha stable manure, 240 kg/ha K₂O

side dressing: 28 kg/ha N, 80 kg/ha P₂O₅, 120 kg/ha K₂O

Growing in the open field

Sowing density: 4 cm x 70 cm; target crop density: 300,000 plants/ha

Sowing: 26.04.2018, harvesting: 01.08.- 05.08.2018

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.50 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	PLANT			POD		GRAIN						YIELD			Comments	
				Height cm	Height to 1st pod cm	Number of pods	Number of grains	Opening of dry pod 3=easy 7=hard	Width cm	Length cm	Thickness mm	Main colour	Secondary colour	Shape	1000 dry seeds weight g	Marketable t/ha	Total t/ha		Yield category
Aiace	Sativa	Planta	5	57	14	7	6	2	9	17	7	Ok	Rd	elliptic	646	2,44	3,04	I	seeds falling off
Češnjevec	Semenarna	Semenarna	3	45	15	10	4	6	8	12	7	Ok	Rd	oval to elliptic	455	1,99	2,33	II/1	
Ulisse	Sativa	Planta	4	51	12	9	5	3	9	14	8	Ok	Rd	elliptic	589	1,78	2,73	II/2	
Buran	Sativa	Planta	4	53	14	9	5	4	10	15	7	Ok	Rd	oval	592	1,37	2,32	II/2	
Ettore	Sativa	Planta	5	60	13	7	5	2	9	16	7	Ok+Rj	Rd	flat elliptic	653	1,35	1,90	II/2	
Etna	Seminis	Semenarna	4	50	14	9	5	3-5+9	8	13	7	Ok	Rd	oval to elliptic	547	1,30	1,82	II/2	5% of types - climbing, late
Achille	Sativa	Planta	5	63	10	9	6	3	9	17	7	Ok-Rj	Rd	flat elliptic	608	1,14	1,63	II/3	lodging
Prepeličar Tomačevski	Amarant	Amarant	5	52	13	5	5	5	9	13	7	Ok	V	oval	479	0,92	1,19	III	
Mean															1,54	2,12			
LSD (0.05)															0,54	0,73			

Variety trial: Bean - dwarf for dry beans

Location: Ivanci

Year: 2018

Previous crop: cabbage

Fertilizing: 77 kg/ha N, 39.6 kg/ha P₂O₅, 200 kg/ha K₂O, 230 kg/ha CaO
side dressing: /

Growing in the open field

Sowing density: 4 cm x 70 cm; target crop density: 300,000 plants/ha

Sowing: 25.04.2018, harvesting: 20.07.- 31.07.2018

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.50 m²

VARIETY	Origin	Supplier	PLANT			POD		GRAIN							YIELD			Comments
			Height cm	Height to 1st pod nodium cm	Number of pods	Number of grains	Opening of dry pod 3=easy 7=hard	Width cm	Length cm	Thickness mm	Main colour	Secondary colour	Shape	1000 dry seeds weight g	Marketable t/ha	Total t/ha	Yield category	
Topolovec	Osvald	Osvald	52	11	14	4	3	8	16	7	Rj	/	elliptic	599	4,03	4,18	I	
Prepeličar Tomačevski	Amarant	Amarant	50	9	11	4	4	9	12	7	Ok	V	oval	517	3,40	3,46	II/1	
Etna	Seminis	Semenarna	53	11	13	5	2+3	9	15	8	Ok	Rd	oval to elliptic	594	3,29	3,50	II/2	5% of types - climbing, late
Buran	Sativa	Planta	52	8	13	/	3	9	13	7	Ok	Rd	oval	622	3,09	3,25	II/2	
Ettore	Sativa	Planta	52	8	17	5	3	9	16	7	Ok+Rj	Rd	flat elliptic	768	2,88	3,10	II/2	
Češnjevec	Seminis	Semenarna	48	10	14	4	5	8	12	7	Ok	Rd	oval to elliptic	489	2,86	3,00	II/2	
Ulisse	Sativa	Planta	50	10	12	5	2	9	15	8	Ok	Rd	elliptic	607	2,84	3,09	II/2	
Aiace	Sativa	Planta	52	12	9	5	3	8	16	7	Ok	Rd	elliptic	644	2,41	2,63	II/3	stronger bacterial infection
Achille	Sativa	Planta	56	10	8	4	2	9	18	6	Ok-Rj	Rd	flat elliptic	673	2,38	2,67	II/3	
Mean															3,02	3,21		
LSD (0.05)															0,66	0,67		

Variety trial: Bean - dwarf for dry beans

Location: Ptuj

Year: 2018

Previous crop: lettuce

Fertilizing: 30 kg/ha N, 60 kg/ha P₂O₅, 111 kg/ha K₂O

side dressing: /

Growing in the open field

Sowing density: 4 cm x 70 cm; target crop density: 300,000 plants/ha

Sowing: 25.04.2018, harvesting: 30.07.- 09.08.2018

Trial layout: randomized blocks in 3 repetitions, experimental plot 3.50 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	PLANT			POD		GRAIN							YIELD			Comments
				Height cm	Height to 1st pod nodium cm	Number of pods	Number of grains	Opening of dry pod 3=easy 7=hard	Width cm	Length cm	Thickness mm	Main colour	Secondary colour	Shape	1000 dry seeds weight g	Marketable t/ha	Total t/ha	Yield category	
Ettore	Sativa	Planta	5	47	9	8	5	4	10	17	7	Ok+Rj	Rd	flat elliptic	750	3,06	3,39	I	
Achille	Sativa	Planta	5	39	10	7	5	3	10	18	7	Ok-Rj	Rd	flat elliptic	723	2,59	2,88	I	
Buran	Sativa	Planta	4	43	10	5	5	4	9	15	8	Ok	Rd	oval	616	2,20	2,46	II/1	seeds falling off
Etna	Seminis	Semenarna	3	39	10	8	5	4	9	15	7	Ok	Rd	oval to elliptic	564	1,66	1,90	II/2	5% of types - climbing, late
Aiace	Sativa	Planta	4	41	13	6	5	2	8	16	7	Ok	Rd	elliptic	634	1,64	1,82	II/2	
Prepeličar Tomačevski	Amarant	Amarant	4	40	9	4	4	6	9	12	7	Ok	V	oval	459	1,57	1,68	II/3	
Češnjevec	Semenarna	Semenarna	2	34	12	7	3	4	8	13	7	Ok	Rd	oval to elliptic	489	1,56	1,66	II/3	
Ulisse	Sativa	Planta	3	38	10	9	5	5	9	15	7	Ok	Rd	elliptic	580	0,91	1,11	III	
Mean																1,90	2,11		
LSD (0.05)																0,57	0,62		

Variety trial: Bean - dwarf for dry beans
Location: Vrtojba
Year: 2018

Previous crop: pepper

Fertilizing: 40 t/ha stable manure, 15 kg/ha N, 30 kg/ha P₂O₅, 60 kg/ha K₂O
 side dressing: /

Growing in the open field

Sowing density: 3 cm x 70 cm; target crop density: 285,710 plants/ha

Sowing: 20.04.2018, harvesting: 23.07.- 06.08.2018

Trial layout: randomized blocks in 3 repetitions, experimental plot 2.80 m²

VARIETY	Origin	Supplier	Earliness 3=early 7=late	PLANT			POD		GRAIN							YIELD			Comments
				Height cm	Height to 1st pod nodium cm	Number of pods	Number of grains	Opening of dry pod 3=easy 7=hard	Width cm	Length cm	Thickness mm	Main colour	Secondary colour	Shape	1000 dry seeds weight g	Marketable t/ha	Total t/ha	Yield category	
Buran	Sativa	Planta	4	41	12	11	5	2	9	14	7	Ok	Rd	oval	621	5,32	5,93	I	
Ettore	Sativa	Planta	6	45	10	7	5	2	10	16	7	Ok+Rj	Rd	flat elliptic	687	4,95	5,58	II/1	
Topolovec	Osvald	Osvald	2	51	/	11	4	4	8	16	7	Rj	/	elliptic	579	4,84	5,16	II/1	
Ulisse	Sativa	Planta	3	46	/	10	6	6	9	14	7	Ok	Rd	elliptic	582	4,79	5,01	II/1	
Etna	Seminiš	Semenarna	4	51	14	13	6	5+8	9	14	7	Ok	Rd	oval to elliptic	512	4,27	5,05	II/2	5% of types - climbing, late
Achille	Sativa	Planta	6	48	12	8	4	2	9	17	6	Ok-Rj	Rd	flat elliptic	457	3,81	4,21	II/2	
Prepeličar Tomačevski	Amarant	Amarant	5	49	10	8	4	4	9	13	7	Ok	V	oval	497	3,75	3,91	II/2	
Češnjevec	Semenarna	Semenarna	3	48	/	10	4	7	8	12	7	Ok	Rd	oval to elliptic	416	3,25	3,36	II/3	virotic
Aiace	Sativa	Planta	4	49	12	9	6	4	9	16	7	Ok	Rd	elliptic	604	3,00	3,32	III	stronger bacterial infection, infection with <i>Colletotrichum lindemuthianum</i>
Mean															4,22	4,61			
LSD (0.05)															1,01	0,97			