

Variety trial:

Location:

Year:

Beans - climbing french beans; treatment with R. phaseoli

Jablje

2017

Previous crop: lettuce

Fertilizing: 20 kg/ha N, 150 kg/ha K₂O, 21 kg/ha SO₃

side dressing: fertigation: 114 kg/ha N, 36 kg/ha P₂O₅, 180 kg/ha K₂O, 18 kg/ha MgO

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: 21.04.2017 and 25.04.2017 , thinning: 09.05.2017, harvesting: 20.06. - 14.08.2017, 13 harvests

Trial layout: randomized blocks in 4 repetitions, experimental plot 3.00 m²

VARIETY and TREATMENT with Rhizobium phaseoli 0=without R. phaseoli Rp=treatment with R. phaseoli	Origin	Supplier	Earliness 3=early 7=late	YIELD											
				Class %			Month %			First harvest t/ha		Marketable t/ha		Total t/ha	
				I.	II.	Waste	6	7	8						
0 Golden Gate	Holland Select	Semenarna	2	80	15	5	50	39	11	6,17	a	34,55	bc	36,55	bc
0 Limka	Holland Select	Semenarna	4	83	14	3	36	45	19	3,80	a	45,36	a	46,87	a
Rp Golden Gate	Holland Select + NS Seme	Semenarna + NS Seme	2	81	15	4	55	34	10	6,05	a	29,83	c	31,00	c
Rp Limka	Holland Select + NS Seme	Semenarna + NS Seme	4	87	10	3	38	48	14	2,90	a	38,84	b	40,00	b
Mean										4,73		37,15		38,60	
LSD_{Fisher} (0,05)										n.s.		6,08		6,09	
Treatment mean															
0										4,98	a	39,95	a	41,71	a
Rp										4,48	a	34,34	b	35,50	b
LSD_{Fisher} (0,05)										2,07		4,30		4,30	
Variety mean															
Golden Gate										6,11	a	32,19	b	33,78	b
Limka										3,35	b	42,10	a	43,43	a
LSD_{Fisher} (0,05)										2,07		4,30		4,30	

* statistically significant different values within certain yield categories are marked with different letters

Variety trial: Beans - climbing french beans; treatment with R. phaseoli
Location: Ivanci
Year: 2017

Previous crop: rye

Fertilizing: 30 kg/ha N, 60 kg/ha P₂O₅, 120 kg/ha K₂O

side dressing: fertigation: Algovital plus - 4 l/ha; foliar: 1.6 kg/ha N, 0.4 kg/ha P₂O₅, 0.5 kg/ha K₂O, 0.5 kg/ha B, 2.7 kg/ha C

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: 04.05.2017, thinning: 18.05.2017 and 30.5.2017, harvesting: 03.07. - 05.09.2017, 9 harvests

Trial layout: randomized blocks in 5 repetitions, experimental plot 3.00 m²

VARIETY and TREATMENT with Rhizobium phaseoli 0=without R. phaseoli Rp=treatment with R. phaseoli	Origin	Supplier	Earliness 3=early 7=late	YIELD											
				Class %			Month %			First harvest t/ha		Marketable t/ha		Total t/ha	
				I.	II.	Waste	6	7	8						
0 Golden Gate	Holland Select	Semenarna	2	66	26	8	49	18	33	2,94	a	20,80	a	22,66	a
0 Limka	Holland Select	Semenarna	2	77	19	4	55	18	27	2,81	a	19,09	a	19,89	a
Rp Golden Gate	Holland Select + NS Seme	Semenarna + NS Seme	2	62	32	6	52	18	30	2,89	a	18,94	a	20,19	a
Rp Limka	Holland Select + NS Seme	Semenarna + NS Seme	2	78	17	4	56	23	22	2,88	a	20,87	a	21,77	a
Mean										2,88		19,92		21,13	
LSD_{Fisher} (0,05)										n.s.		n.s.		n.s.	
Treatment mean															
0										2,87	a	19,94	a	21,27	a
Rp										2,88	a	19,90	a	20,98	a
LSD_{Fisher} (0,05)										n.s.		n.s.		n.s.	
Variety mean															
Golden Gate										2,91	a	19,87	a	21,42	a
Limka										2,84	a	19,98	a	20,83	a
LSD_{Fisher} (0,05)										n.s.		n.s.		n.s.	

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