

ATLAS (FZB24) – trial on potatoes (summary) 2008

Variety: *Maris Piper*
Date of Planting: 17.10.2007
Place: Israel
Application: by spraying
Treatment: 1. Direct coating of seed tubers – Atlas (liquid formulation) was applied to tubers 48 hours before planting, by spraying 100gr Atlas in 1 lit water/1000kg tubers
2. placement alongside tubers at planting – Atlas was sprayed with backpack sprayer in the rate of 1 kg/Ha
3. untreated control
 Each treatment was replicated 5 times.
Harvest: 06.03.2008 (Field was destroyed by frost on 15.1.2008)

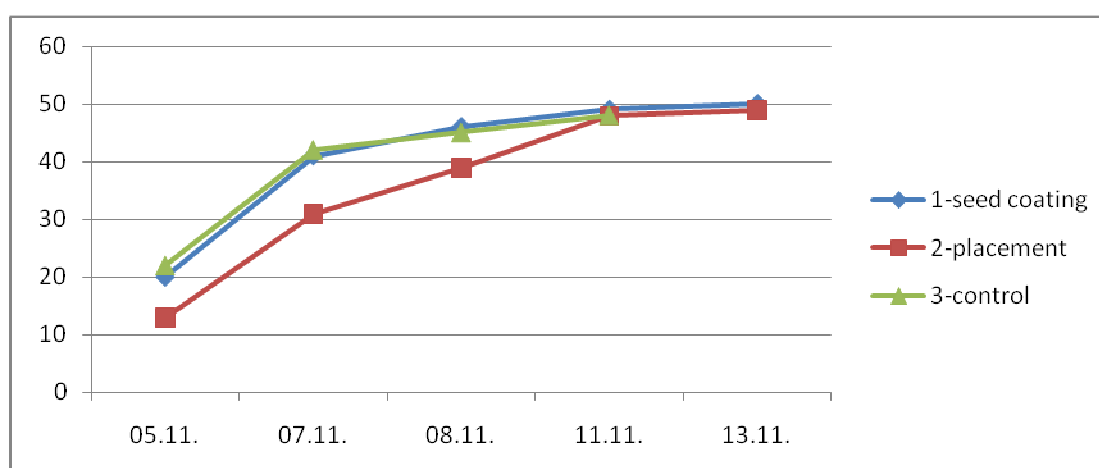


Table 1 – emergence assessment

Avg. Number of emerging plants per plot

Date:	5.11.07	7.11.07	8.11.07	11.11.07	13.11.07
Treatments*					
1- seed coating	20	41	46	49	50
2- placement	13	31	39	48	49
3- control	22	42	45	48	49

Table 2 - Yield assessment

Avg. yield (kg/1000 sqm), graded tubers.

Tuber size:	<35 mm	35-45 mm	45-50 mm	>50 mm	distorted	Total weight
Treatments*						
1- seed coating	122.69	1410.16 a	1290.16	964.15	41.24 b	3828.39
2- placement	98.86	1073.37 b	1369.95	1335.75	47.05 b	3924.97
3- control	106.32	1113.37 b	1186.53	1394.40	81.24 a	3881.87

1000 sqm = 1 Dunam (1/10 of Ha).

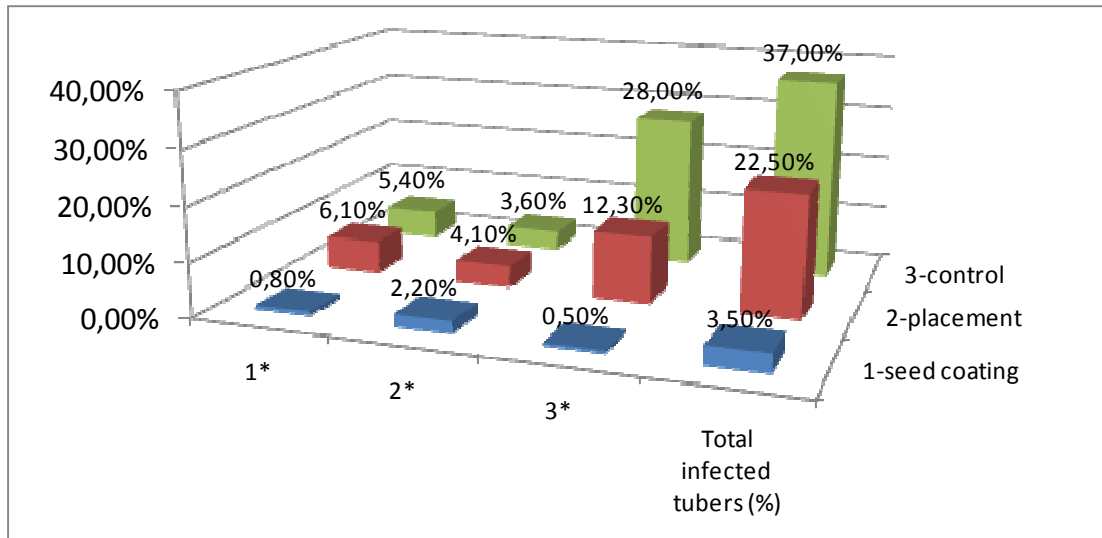


Table 3 – Rhizoctonia assessment

Percentage of infected tubers, according to disease score*

Disease score	1*	2*	3*	Total infected tubers (%)
Treatments*				
1- seed coating	0.8% b	2.2%	0.5% b	3.5% b
2- placement	6.1% a	4.1%	12.3% ab	22.5% ab
3- control	5.4% a	3.6%	28.0% a	37.0% a
LSD:	3.722	NS	19.930	22.506

***Disease score:** % cover of tuber surface with Rhizoctonia lesions

- 1 <3%
- 2 3%-15%
- 3 >15%



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