



## Sowing frequency of pea

The organic pea sowing frequency experiment was carried out in the summer of 2022 at the Mustiala teaching and research farm. The soil type of the test block was sandy loam with abundant loam, with a pH of 6.1. There was some scarcity of nutrients in terms of potassium, phosphorus and manganese. The pre-plant was RGT Planet barley.

The block was fertilized last autumn with cattle slurry at 15 t/ha. Sowing was carried out on 24.5. and seedling growth with post-sowing rains was steady. The vegetation did not suffer much from weeds. Threshing and weighing of the test plots were done on August 27. with the moisture content of the pea being 19.1%.

The result of this farm-scale experiment shows that with a high seeding density (140 pcs/m<sup>2</sup>), the best yield would be obtained. The yield increase compared to the growth of the lowest seeding density (80 pcs/m<sup>2</sup>) is 318 kg/ha higher. Taking into account the larger amount of seed needed in a denser growth, the yield increase at that time is 124 kg/ha.

Pea Astronaute				
Fixed test areas 128 m x 5 m = 640 m <sup>2</sup>			moisture %	
			19,1	16,0
sowing frequency	threshing moisture %	weighing kg	kg/ha	kg/ha
80 pcs/m <sup>2</sup>	19,1	315	4922	<b>4769</b>
110 pcs/m <sup>2</sup>	19,1	306	4781	<b>4633</b>
140 pcs/m <sup>2</sup>	19,1	336	5250	<b>5087</b>