

Comparison of pumpkin production in 2017 and 2018

Parameters	Year 2017	Year 2018	Differences
The surface of the field with pumpkins	3455,60 m ²	6155,75 m ²	This year, we planted nearly twice as many areas as last year.
Number of pumpkins	5982	8257	This year there was more pumpkin, but only because of the larger area, otherwise the yield was smaller.
The number of pumpkins we measured	280 (4,68%)	380 (4,6%)	In the two years we measured the same amount of pumpkins by percentages.
The largest measured diameter of the pumpkin	29 cm	30 cm	There were no major deviations in the diameter of the largest pumpkin.
Minimum measured diameter of the pumpkin	9 cm	8,5 cm	There were no major deviations in the diameter of the smallest pumpkin.
The average diameter measured pumpkin	20,63 cm	20,36 cm	On average, the diameter of pumpkins this year was lower by 1.3%.
Maximum measured pumpkin weight	6,35 kg	8,89 kg	This year, the largest measured pumpkin was 40% more heaviest than last year.
Minimum measured pumpkin weight	0,47 kg	0,18 kg	This year, the smallest measured pumpkin was 62% lighter than last year.
Average measured pumpkin weight	2,97 kg	3,12 kg	This year the average weight of the measured pumpkins was 5% higher than last year.
Weight of all pumpkins	17,77 t	25,76 t	This year, the harvest increased by 45% due to the higher number of pumpkins.
Weight of pumpkin per hectare	51,42 t/ha	41,85 t/ha	Measured per hectare last year the yield was higher. The cause is less rain during growth.
Average weight of pumpkin per square meter	5,14 kg/m ²	4,19 kg/m ²	This year, the crop was 18.5% lower per m ² .
Number of pumpkins per square meter	1,73 pumpkin/m ²	1,34 pumpkin/m ²	This year, there was 22.5% less pumpkin per m ² , which was also seen in the production of dry seeds.
Crop of dried pumpkin seeds	170 kg	250 kg	This year's yield was higher, but only due to the larger area of the pumpkin.
Crop of dried pumpkin seeds per ha	492 kg (~ 60% Slovenian average)*	406 kg (less than 50% of the Slovenian average)*	In the year 2018, the production of dry curds decreased by 17.5%. They reached only about 50% of the yield of the Slovenian average.

* The average yield of dry pumpkin seeds in Slovenia per ha is 800 to 1000 kg.

The ratio between the weight of pumpkin and the weight of seeds in 2018

In 2018 we measured the proportion of seeds in pumpkins. In carrying out the measurements, we found that the weight of the pumpkin has a significant influence on the proportion of seeds, but the proportion does not increase due to the increase in the weight of the pumpkin, but the exact opposite. Most of the pumpkins that were lighter had a significant proportion of seeds. Thus, the largest proportion of seeds (7.32%) was the smallest pumpkin (1.23 kg), while the smallest share (0.96%) had a pumpkin which weighed 6.23 kg. According to the measurements, the ideal pumpkin weight would be 3.64 kg.

Parameters	Year 2018
Number of pumpkins	125
Weight of pumpkins	521,75 kg
Maximum measured pumpkin weight	10,72 kg
Minimum measured pumpkin weight	1,23 kg
Average measured pumpkin weight	4,17 kg
Weight of wet seeds	17,02 kg
Average measured wet seeds weight	140 g
Average proportion of seeds per pumpkin	3,26%
The largest share on the pumpkin	7,32%
The smallest share on the pumpkin	0,96%