



## The Effect of Planting Rate and Periods on the Height of the Ryjik Plant

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ABSTRACT

The article examines the effect of planting time and standards on the height of camelina varieties. It was observed that the delay of planting dates and the increase of planting standards led to the reduction of plant height.

**Keywords:**

Plant height, planting rate, germination, ryjik plant.

Relevance of the topic. Today, more than 200 large and small oil-oil enterprises in our country produce 60 types and more than 200 assortments of oil-oil products. The main raw material of these enterprises is cotton seed, on average 1.2 million tons of technical cotton seed are processed annually and about 200 thousand tons of cottonseed oil are produced. In addition, 90-95 thousand tons of vegetable oil is produced and supplied for the population's consumption annually due to the cultivation of oily raw materials in local conditions and the import of soybean and sunflower grains.

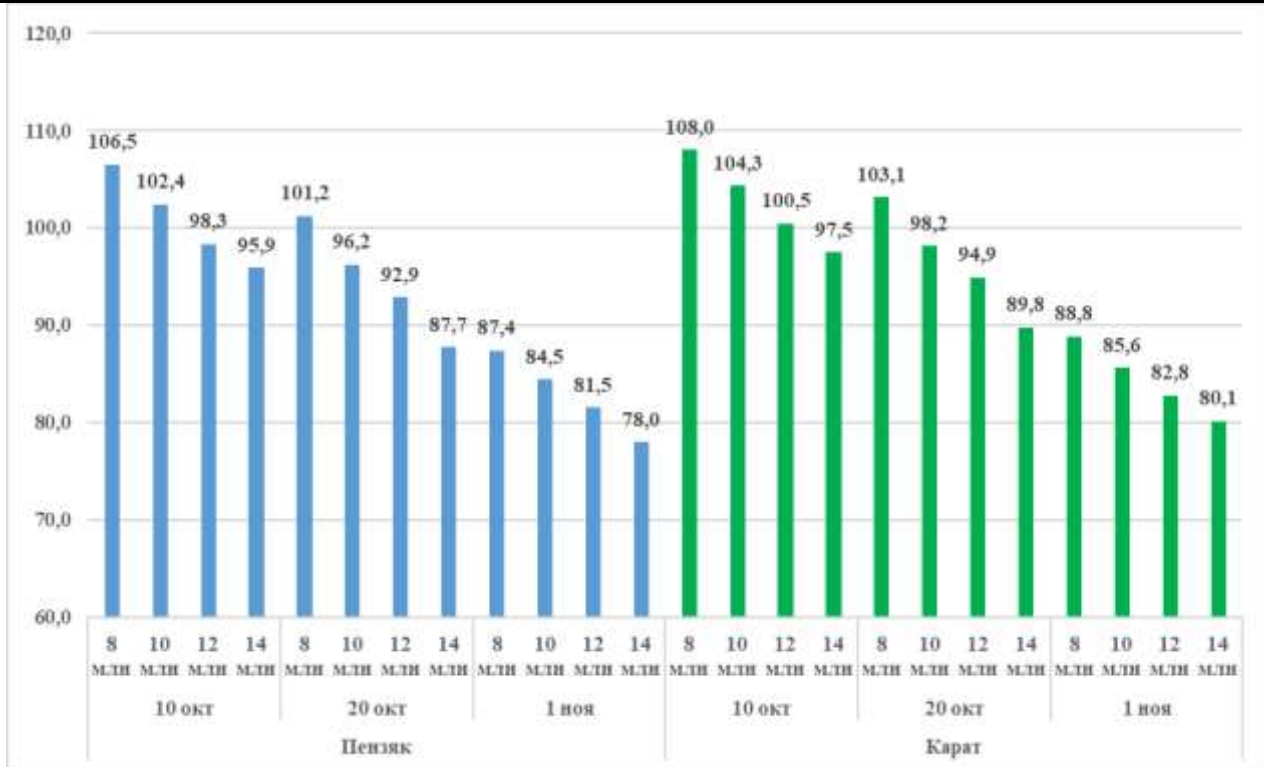
Nevertheless, the fact that 150,000-180,000 tons of ready-made vegetable oil is imported from abroad in order to provide the population with high-quality vegetable oil is natural for everyone to think the same.

The level of study of the topic. The growth development and productivity of Ryzhik crop depends on each agrotechnical measures, influence of environmental conditions. This leads to an increase or decrease in the yield of the plant. Sotnikov B. A. et al. (2022) stated that

the correlation coefficient of ryjik seed yield with plant height is 0.85, and the number of pods per plant is 0.90. However, it should be noted that in years with good moisture, the relationship between plant height and seed yield is closer. The height of the studied varieties in the authors' research was 59.3-67.8 cm. The Omich variety differs from other varieties by its low height. Its height is 59.3 cm, which is 2.2 cm lower than the Ekaterininsky variety and 8.5 cm lower than the Jubilyar variety.

Ryzjik, like ginger, mustard and rapeseed, is a plant belonging to the cabbage family. Of the three types of this cultivated plant, planting ryjik was more common in the 30s and 50s of the last century. An annual plant with thin branching stems up to 80 cm tall [1].

In our research, when the seeds were sown on October 10 at the rate of 8 million seeds, the height of the plant was 106.5 cm in the Penzyak variety and 108.0 cm in the Karat variety (Fig. 1.1).



**Figure 4.4. The effect of sowing rates and periods on the height of Ryzhik varieties**

When planted with 10 million seeds, the height of the plant is 102.4 cm in the Penzyak variety, 104.3 cm in the Karat variety, when planted with 12 million seeds, the plant height is 98.3 cm in the Penzyak variety, 100.5 cm in the Karat variety, 14 million pieces when planted by seed, the height of the plant was 95.9 cm in the Penzyak variety and 97.5 cm in the Karat variety.

In the research, when the seeds were sown on October 20 at the rate of 8 million seeds, the height of the plant was 101.2 cm in the Penzyak variety, 103.1 cm in the Karat variety, and 96.2 cm in the Penzyak variety, 98.2 cm in the Karat variety when the 10 million seeds were planted. , when planted with 12 million seeds, the height of the plant was 92.9 cm in the Penzyak variety, 94.9 cm in the Karat variety, when planted with 14 million seeds, the plant height was 87.7 cm in the Penzyak variety, 89.8 cm in the Karat variety.

In the research, when the seeds were sown on November 1 at the rate of 8 million seeds, the height of the plant was 87.4 cm in the Penzyak variety, 88.8 cm in the Karat variety, and 84.5 cm in the Penzyak variety and 85.6 cm in the Karat variety when the 10 million seeds

were planted. , when planted with 12 million seeds, the height of the plant was 81.5 cm in the Penzyak variety, 82.8 cm in the Karat variety, when planted with 14 million seeds, the plant height was 78.0 cm in the Penzyak variety, 80.1 cm in the Karat variety.

In conclusion, it can be said that in the conditions of the southern region of the Republic, the height of ryjik varieties is affected by planting time and timing, and the delay in planting time and the increase in planting time lead to a decrease in the height of the plant.

## References

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