



## THE INFLUENCE OF THE NORMS AND DEADLINES OF PLANTING "RIJIK" VARIETIES ON THE DEGREE OF OILINESS.

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Article history:		Abstract:
Received:	6 <sup>th</sup> July 2024	The article notes that in the conditions of the Kashkadarya region, delaying the planting date of the camelina plant and increasing the planting rate led to a decrease in the level of oiliness in camelina varieties when studied on the basis of field experiments.
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**Keywords:** Samelina, seed weight, sowing rate, sowing time, variety, oil, plant.

**THE DEGREE OF STUDY OF THE PROBLEM.** Rijik oil is similar to the popular pine nut oil in terms of its healing power, nutritional value and composition. It is characterized by an optimal ratio of unsaturated and saturated fatty acids, which is necessary for the body in its composition, as well as an increase in the concentration of omega-3 and omega-6. In terms of Vitamin Y content, Rijik oil is the leader among vegetable oil products such as Cedar, flaxseed, sunflower and mustard oils. According to the content of provitamin A, which is synthesized in the body, the product from Rijik outperforms sunflower and soy oil. Rijik plant seed contains 40-46% dried oil, 28-30% protein. Rijik oil is widely used in food, medicine, cosmetology. In Rijik Seeds A, Y, D, K. the presence of vitamins plays an important role in the formation of a young body, therefore, it is advisable to use Rijik oil in cooking for children. Rijik contains magnesium, potassium, calcium, iron, zinc, phosphorus and others from important micro-and Macroelements.

H.In Mason studies (2010), it received the highest seed yield (2,944 t/ha) and oil yield (0,961 t/ha) from the so Variety [1; 17-b.].

I.D.Tonsea et al (2013) studied the chemical properties of Rijik varieties planted in summer and winter in different places in Romanian conditions between 2009 and 2013. In this study, the oil ratio varied between 29.3-46.3% in autumn planted varieties and 33.4-49.6% in summer planted varieties [2; 8594–8602-b.].

H.Lightning and M.Onder. (2016) found that the highest seed yield was 1,979 t/ha when nitrogen and phosphorus were given 75 kg/ha, the highest oil ratio was 29.33% 150 kg/ha nitrogen and 100 kg/ha phosphorus [3; 117–122-b.].

Its growing season was 300-305 days when the autumn Ryzhik's Penzyak variety was studied by planting it in the conditions of the Middle Volga region. It has been found to be a frost-resistant plant to drought and winter. By spring, plant resistance reaches 87-96%. In addition, the Penzyak Variety has a high resistance to early spring drought, pests and diseases, and the spills of its seeds are low. The weight of 1000 seeds is 0.9-1.1 g, the seed yield is 1.6-2.1 t/ha. The amount of oil in seeds is 40-42% [4;119–122-b.].

**RESEARCH RESULTS.** The chemical composition of the grain of seeds of Ryzhik varieties will depend on the genetic nature of the Variety on the conditions of the external environment, the agrotechnical measures carried out, the timing and norms of planting and a number of other factors. It is considered in moderation that the Rijik varieties we have learned from Russia change their chemical composition in our climatic conditions with extreme temperatures.

In our studies, the seeds received 8 million on October 10th.the oiliness rate when planted on a grain seed account is 42.96% in the Penzyak variety, 39.50% in the Karat Variety, 10 million.41.78% in the Penzyak variety, 38.37% in the Karat Variety, 12 million when planted in the seed account.40.04% in the Penzyak variety, 36.03% in the Karat variety, 14 million when planted in the seed account.when planted on a grain seed account, it was 38.69% in the Penzyak variety and 35.80% in the Karat variety (see Table 1).

**Table 1.**  
**Changes in the level of oiliness in the cultivation of Rijik varieties, %**  
**(2021-2023 yy).**

T/r	Sowing period	Planting norm	Varieties name	Mill level, %			
				2021 y	2022 y	2023 y	medial
1	10.okt	8 mln. piece	Penzyak	42,47	44,11	42,29	42,96
2			Karat	39,02	40,66	38,84	39,50
3		10 mln. piece	Penzyak	41,29	42,93	41,11	41,78
4			Karat	37,88	39,52	37,70	38,37
5		12 mln. dona	Penzyak	39,56	41,20	39,38	40,04
6		Karat	35,54	37,18	35,36	36,03	
7		14 mln.	Penzyak	38,21	39,85	38,03	38,69

		piece					
8			Karat	35,32	36,96	35,14	35,80
9	20.okt	8 mln.	Penzyak	41,92	43,87	41,83	42,54
10		piece	Karat	38,08	40,03	37,99	38,70
11		10 mln.	Penzyak	40,39	42,34	40,30	41,01
12		piece	Karat	36,92	38,87	36,83	37,54
13		12 mln.	Penzyak	39,23	41,18	39,14	39,85
14		piece	Karat	35,18	37,13	35,09	35,80
15		14 mln.	Penzyak	38,20	40,15	38,11	38,82
16		piece	Karat	34,54	36,49	34,45	35,16
17	01.nov	8 mln.	Penzyak	37,71	39,48	37,76	38,32
18		piece	Karat	36,45	38,22	36,50	37,06
19		10 mln.	Penzyak	38,79	40,56	38,84	39,40
20		piece	Karat	35,90	37,67	35,95	36,51
21		12 mln.	Penzyak	38,02	39,79	38,07	38,63
22		piece	Karat	33,97	35,74	34,02	34,58
23		14 mln.	Penzyak	37,78	39,55	37,83	38,39
24		piece	Karat	33,56	35,33	33,61	34,17
Minimum				33,56	35,33	33,61	34,17
Mean				37,75	39,53	37,67	38,32
Maximum				42,47	44,11	42,29	42,96

In studies, the seeds were sold on October 20 for 8 million tons. the oiliness rate when planted on a grain seed account is 42.54% in the Penzyak variety, 38.70% in the Karat Variety, 10 million. 41.01% in the Penzyak variety, 37.54% in the Karat Variety, 12 million when planted in the seed account. 39.85% in the Penzyak variety, 35.80% in the Karat variety, 14 million when planted in a seed account. when planted in grain seed accounts, it was 38.82% in the Penzyak variety and 35.16% in the Karat variety.

The seeds received \$ 8 million on November 1. the oiliness rate when planted on a grain seed account is 38.82% in the Penzyak variety, 37.06% in the Karat Variety, 10 million. 39.40% in the Penzyak variety, 36.51% in the Karat Variety, 12 million when planted in the seed account. 38.63% in the Penzyak variety, 34.58% in the Karat variety, 14 million when planted in a seed account. when planted in grain seed accounts, it was 38.39% in the Penzyak variety and 34.17% in the Karat variety.

From the analyzes carried out in the studies, it can be seen that in the conditions of light-colored peat soils of the Kashkadarya region, the oil yield of autumn Ryzhik is in the range of 34.17-42.96%, with the highest oiliness in the early term, 8 million. the grain is when sown in the account of unsweetened seeds (42.96% in the Penzyak variety, 39.50% in the carat variety). Also, an increase in the standards for sowing seeds, as well as a delay in sowing dates, lead to a decrease in the level of oiliness.

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