

The effectiveness of the timing of sowing peas in adaptive agriculture of the steppe zone of Kabardino-Balkaria

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Annotation. The influence of different sowing dates on the yield of pea grains in the rainfed conditions of the steppe zone of Kabardino-Balkaria was studied. The high business and economic efficiency of the early sowing of peas of the NTsZ im. P.P. Lukyanenko compared with the data obtained during sowing at the "optimal" time (the last decade of March). On average, over the years of research (2018–2020), on variants with crops in the periods of March 15-17 and March 7-9, yield increases of 0.2 and 0.4 t/ha of standard moisture pea grain were obtained, respectively. Indicators of economic efficiency of growing peas (conditional net income, grain cost and profitability) were also in favor of relatively early sowing of peas.

Key words: pea variety, sustainability, economic efficiency, economic expediency, fallow-occupying crop, sowing dates, vegetation period, grain direction

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