

# SPECIFIC FEATURES OF CROPPING WINTER WHEAT IN AGROTECHNOLOGIES OF THE NEW GENERATION, DEPENDING ON THE PRECURSORS

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*The influence of various agricultural technologies of winter wheat cultivation under conditions of insufficient moisture in the steppe zone of Kabardino-Balkaria was studied. The most effective precursors were identified, the optimal agricultural technologies for winter wheat cultivation were determined.*

*It was established that the net productivity of photosynthesis (NPF g / m<sup>2</sup> per day), dry mass of plants (t / ha) and leaf area (S-thm<sup>2</sup> / ha) of winter wheat at the stage of crop earing were significantly higher than the data on the background of intensive agricultural technology with similar indicators against the background of normal (basic) agricultural technology for all studied predecessors. The advantage of soy and corn on silage as precursors of winter wheat compared with sunflower has been proved. This is evidenced by the results of structural indicators (grain weight in g / ra., And weight of 1000 grains, g) and grain yield (t / ha standard humidity) of winter wheat. On average, over the years of research, this indicator was 47.4 and 44.9 c / ha for the precursors of soy and corn for silage in intensive and against 45.0 and 41.8 c / ha in normal agricultural technologies. According to the precursor sunflower, they did not go beyond 40.0 and 38.6 c / ha, respectively.*

**Keywords:** intensive agricultural technology, dry mass, leaf area, productivity, predecessor, grain mass, photosynthesis, safe culture, yield potential.

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