

L. V. Onyschenko, M. I. Danylchuk. Characteristic of productive qualities of families of Red White-belted swine in SE "RF Zoryane" breeding farm

The most perspective genotype in our region is Red White-belted breed, which has high performance both under pure breeding and under crossing with other breeds. The results of complex evaluation of Red White-belted swine of the herd bred in SE "RF Zoryane" breeding farm are presented. It was revealed that animals of the farm comply with elite class and the first class. The main breeding boars used at the farm belong to such genealogical lines: Deviz, Division, Dantist, Debut, and Dobryak. In the structure of the herd, the most numerous was Dobryak line, which part was 58.8%, Division, Debut, Devis lines – 11.8% per line, Dantist line – 5.8%.

The herd sows belong to 7 families: Drabowka, Dekada, Dyktsiya, Doina, Dylema, Delta, Dogma. Average prolificacy of the sows was 10.0 piglets. Litter weight at 60 days' age was 181.0 kg, and live weight of piglet – 19.0 kg. The performance of sows as prolificacy increased by 0.6 head on average. The complex appraisal index for the herd was 104.1 points.

The average daily gain of the replacement pigs was 570 g. The highest daily gain was from five to six months – 611.2 g, and the figure of compactness index characterized a certain elongation of animals, increasing meat traits.

Further work with Red White-belted breed aims at preserving and expanding the breeding base and genealogical structure, as well as increasing the reproductive, fattening and meat traits.

Keywords: productive traits, reproduction, breeding, gain, prolificacy, genotype, crossbreeding.