

Goncharenko Anatoliy A.

Born October 16, 1940 in Poltava Region (Ukrainian SSR). Graduated from the Agricultural Institute of Poltava (1963). Doctor (PhD, DSc) of agricultural sciences (1985), professor (1995), academician of the Russia Academy of Agricultural Science (1997), full member of Russian Academy of Science (2013). A prominent scientist in genetics, breeding and seed production of winter rye.

Positions held: a researcher at the Laboratory breeding of winter rye at Ukrainian Research Institute of Crop Production, Breeding and Genetic, a senior researcher (1971-1974), Head of the Laboratory of winter rye breeding (1974-2005), Head of the breeding center (since 1997), deputy. Director on breeding (since 1997), chief scientist (since 2006) in Research Institute of Agriculture on Central Regions of Russian Chernozem Zone (now the Moscow Nemchinovka Research Institute of Agriculture).

Qualification: genetics, breeding, population breeding, seed production

He is the coauthor of 11 high productive (up to 60-70 ton/ha) varieties and hybrids of winter rye with increased resistance to lodging and hardness under conditions of Chernozem zone of Russia. He actively participated in the development of improved rye breeding technologies and their practical implementation in Russia; of a new method of assessing the overall varietal ability of parents components under family selection in rye and its use in population breeding; of the original method for determining the inbreeding coefficient in rye populations; he studied the genetic characteristics of the EM-1 mutant (dominant shortness donor), substantiated the new approaches in rye breeding for lodging resistance and complex resistance to fungal diseases, for improved baking and fodder grain qualities, in the use of heterosis effect and cytoplasmic male sterility, in the creation of rye varieties and hybrids for the intended use.

A total number of scientific publication makes more than 250 (h = 5), including those published abroad; he also has 18 certificates for inventions and patents.

Honored Scientist of the Russian Federation (2001). Awarded the Order of Friendship (2006), gold, silver and bronze medals of All-Union (USSR) and All-Russian Exhibitions, P.P. Lukyanenko's Gold medal (2008). Member of the international committee on EUCARPIA on winter ry.

Key publications:

Guidelines for selection and seed production in winter rye /With V.I. Hudoerko et al. Moscow, 1980 - 97 p.

High-yield varieties of crops for Nechernozemie /With E.D. Nettevich et al. Moscow, 1987. - 192 p.

Looking for new varieties of rye. Rossiiskie semena, 1993, 1: 24-25.

Breeding winter rye for grain quality /With S.A. Ermakov et al. Dokl. RASKhN, 1995, 5: 9 -11.

Comparative study of interline and variety-line F₁ hybrids of winter rye /With A.N. Zubikov. Vladimirskiy zemledelets, 1998, 2: 45-48.

Problems of selection and seed crops. Vestnik semenovodstva d SNG, 1999, 4: 4 -7.

Comparative assessment of environmental adaptability of different varieties of winter rye /With A.V. Makarov. Vestn. RASKhN, 2001, 1: 64-67.

Methodological guidelines for quality control of field work on the elements of crop production technologies (grain crops, legumes, cereals and oilseeds) /With N.V. Wojtowicz et al. Moscow, 2003 - 115 p.

Agroecological estimation of crops and risk factors for their cultivation. Book 1 /With N.V. Wojtowicz et al. Nemchinovka (Russia), 2005. - 204 p.

Winter rye. Cultivation, use for food, feed and industrial purposes: problems and solutions /With V.A. Sysuev et al. Moscow, 2007. - 170 p

Current state of production, methods, and future directions of winter rye breeding in Russia/ In: Winter rye: breeding, seed production, technologies and processing. Ufa (Russia), 2009: 40-76.

Winter rye production and breeding in Russia. Vestnik RASKhN, 2010, 1: 22-26.

Catalogue of varieties of cereals and legumes bred at Nemchinovka Research Institute /With V.N. Kutrovsky et al. Nemchinovka (Russia), 2011 - 63 p..

Diallel analysis of inbred lines of winter rye on winter hardiness /With. S.V. Starches. Zeronovoe khozyaistvo Rossii, 2012, 2: 14-19.