

TRITICALE IMPROVEMENT: PROBLEMS AND PROSPECTS IN THE WEST PART OF ROMANIA

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Abstract. *The paper highlights the progress in triticale crop becoming an important economically cereal in the world and also in the West part of Romania. The international research stimulated the Romanian triticale program in research centers Fundulea, Turda, Suceava and Timișoara University. The extension of the results from the demonstration fields was difficult; the optics of the farmers from a traditionally wheat-growing country had to be changed. Particular merits have had the specialists who, as students, saw and worked in the triticale experimental fields at the university, thus convincing themselves of its validity. In the western counties of Romania triticale represents 1.56% of agriculture area. It is cultivated on poorly acid soils and in farms with livestock sections. The area cultivated with triticale varies greatly. In the southern counties of Arad, Bihor and Timiș the surface represents 1.0% -1.5%. In Caraș Severin and in the northern counties it is 2.5% to 5.1% (Sălaj). On preluvi- and luvi- soils (pH-4.5) distrycambosoils, arenosoils (humus less than 2.2 %) the yield was 2.6 T/ha up to 4.5 T/ha, exceeding wheat and in some areas even corn. In the plain with more fertile soils (chernozem) the Robinson, Trimaso, Trismart and Tulus varieties passed over 9.0 T/ha (2021). The triticale average production/country increased from 2.5 T/ha (2007) to over 3.4 T/ha in the past 10 years and now to 4.6 T/ha. Most of the cultivated varieties originated from the Fundulea (Dr. Gh. Ittu). Farmers in the western part of Romania appreciate triticales, but they also have certain grievances that breeders strive to correct.*

Keywords: Triticale cultivation, Romania West Part

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1. Introduction

Triticale is a gamble with time, with us to perform something that seemed to be impossible [9]. For the senior researchers, it is a delight to see their hope and efforts fulfilled. Great triticalists as Charles Jenkins (†2000), Robert Glen Anderson (1914-1982), Arpad Kiss (1916-2001), Robin Jessop (†2021), Bent Skovmand (1945-2007), Tadeusz Wolski (1924-2005), Enrique Sanchez-Monge (1921-2010) lost the battle with the time. We think of them with gratitude and respect, and we know that every success today is part of their hard pioneer work.

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