

Field day

AGRONOMY RESEACH IN THE FRAMEWORK OF THE IPA PROJECT "IMPROVEMENT OF CEREALS FOR CONVENTIONAL PRODUCTION AND BIOFARMING"

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Organic production as a response to the numerous problems in conventional agricultural production is becoming more and more interesting on global as well as local scale. Hungary and Serbia both accept organic production and there is an increasing choice of different products based on organically produced ingredients, including cereals as well as pseudocereals.

Organic farming in Serbia is intensively developing. The Action Plan (2012-2015) envisages an increase of organic agriculture up to 55,000 ha by 2015. The situation is similar in Hungary. The most important contributions of organic agriculture are the protection of biodiversity, pesticide free production, production of food and feed safe for human and animal health, sustainable development of rural areas, etc. Having in mind the relatively short history and the present limited areas under organic production in Hungary and Serbia, there is urgent need for scientifically based results applicable in local conditions for improvement in organic agriculture.

The aim of the research is to carry out field experiments with different Hungarian and Serbian cultivars of cereals as well as pseudocereals (Table 1). The Institute of Field and Vegetable Crops in Novi Sad possess organic experimental field in third year of certification. Detailed observations will be taken in order to precisely describe the performances of cereal and pseudocereal cultivars under organic production managements.

The results obtained will be used to educate our direct target group (family-size farmers, small- and medium size companies, some bigger ones) about the technology of sustainable and profitable organic production of cereals and pseudocereals on a field day as well as by publications (printed and electronic) explaining the principles and methods of organic production are planned.

Table. 1. Cereals and pseudocereals demonstration plots on the organic experimental field of the Institute of Field and Vegetable Crops in Novi Sad (Serbia).

Plot number	Species	Cultivar	Plot number	Species	Cultivar
1	<i>Triticum aestivum</i>	Milijana	10	<i>Triticum compactum</i>	Bambi
2		GK Fény	11	<i>Triticale</i>	Odisej



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3		GK 04.10	12		GK Rege
4	<i>Triticum monococcum</i>	MV-Alkor	13	<i>Secale cereale</i>	GK Wibro
5	<i>Triticum dicoccum</i>	MV-Hegyes	14		Nonius
6	<i>Triticum durum</i>	NS Dur	15	<i>Hordeum vulgare</i>	GK Rézi
7		GK Bétadur	16	<i>Avena sativa</i>	NS Jadar
8	<i>Triticum spelta</i>	Nirvana	17		NSOR 1001
9		GK Tönköly	18	<i>Panicum miliaceum</i>	Biserka
			19	<i>Fagopyrum esculentum</i>	Novosadska





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