

Analisis Trends of Soybean Production in Word

Slobodan POPOVIĆ¹, Vera POPOVIĆ², Savo VUČKOVIĆ³, Zoran JOVOVIĆ⁴, Vera RAJIČIĆ, Jela IKANOVIĆ³, Radmila BOJOVIĆ^{3,*}

¹ University of Novi Sad, Faculty of Economy and Management, Novi Sad, SERBIA; ²Institute of Field and Vegetable Crops, Maksima Gorkog 30, Novi SAD, SERBIA; ³ University of Belgrade, Faculty of Agriculture, Zemun-Belgrade, SERBIA; ⁴University of Montenegro, Biotechnical Faculty, Podgorica, MONTENEGRO; ⁵University of Niš, Faculty of Agriculture, Kruševac, SERBIA

Glycine max L. Merrill is originating from Asia but top producers today are found in the New World. Soybeans is legumes, oil-seeds, vegetables, or even fuel sources, depending upon how they are used. Soybeans are also one of the few plants that have a full array of amino acids in their protein compositions to be considered "complete" proteins, on par with meats, milk products, and eggs. Commercially important products commonly made from soybeans include protein powders, textured vegetable protein, soybean vegetable oil, edam, dry beans, sprouts, livestock feed, gluten-free flour, natto, tempeh, tofu, soy milk, soy cheese, and much more. Soybean products have also been shown to be beneficial in reducing the risk of certain disease, including heart disease and certain cancers. On the other hand, many individuals live with an allergy to this important legume. Soybean biomass can be used to produce briquettes and pellets, solid fuels suitable for use in smaller boiler plants, for example for heating of residential buildings. Biomass i.e. soybean straw can be used and for the production of liquid biofuels (ethanol) because it has large amounts of carbohydrates (Popović et al. 2019).

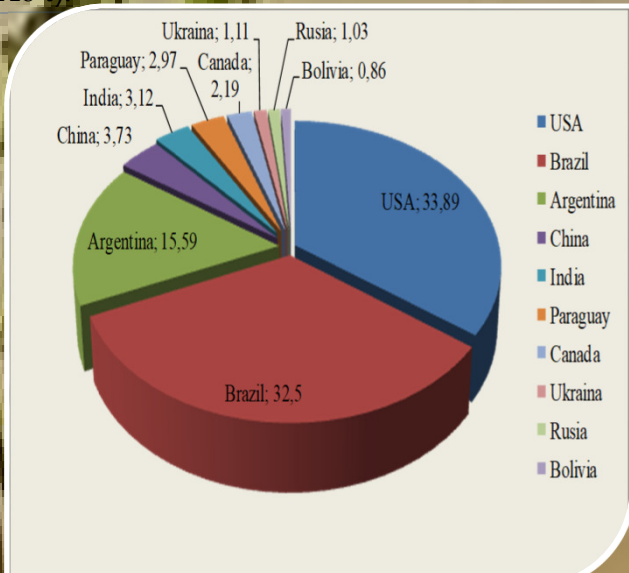
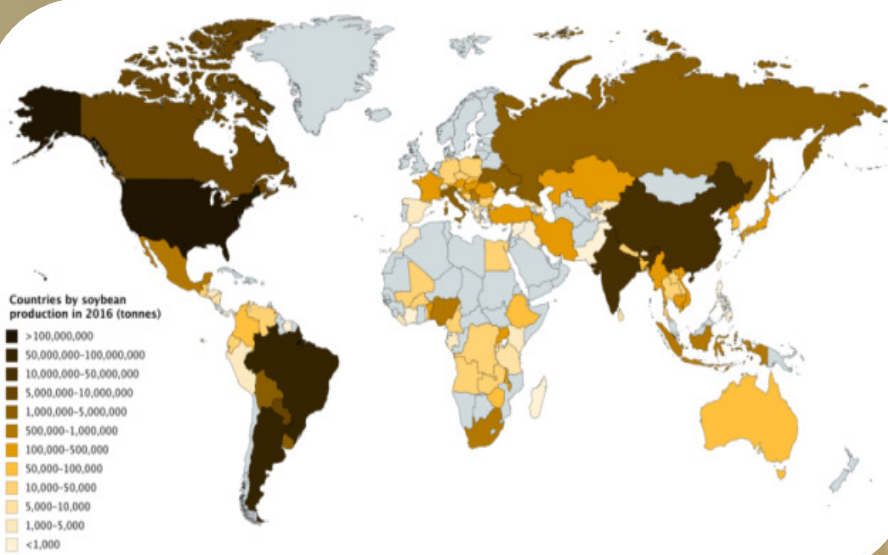
This study analyzes the production of soybeans worldwide. It is evident that a permanent increase in soybean area and production in the world. The largest area, production and yield of soybean, in tested period 2013-2017, in Word was in 2017 (123,551,146 ha, 352,643,548 t and 2.85 t ha⁻¹). 82% of world soybean production in 2017 it was concentrated in three countries (USA; Brazil and Argentina).

The United States and Brazil produces the most soybeans of any country in the world.

Ukraine is the largest producer of soybeans in Europe, and the 8th largest in the world.

Serbia has excellent conditions for soybean cultivation and a significant producer in the world. Serbia's advantage is that which, in addition to conventional, has organically produced soybean. The largest area of soybean, in the tested period 2013-2017, in the Republic of Serbia was in 2017 (201,712 ha) and grain yield was in 2014 (3.54 t ha⁻¹). The largest production of soybean was 2016 (576,446 t).

The largest area of soybean, in the tested period 2013-2017, in the Republic of Serbia was in 2017 (201,712 ha) and grain yield was in 2014 (3.54 t ha⁻¹). The largest production of soybean was 2016 (576,446 t).



The largest area of soybean, in the tested period 2013-2017, in the Republic of Serbia was in 2017 (201,712 ha) and grain yield was in 2014 (3.54 t ha⁻¹). The largest production of soybean was 2016 (576,446 t). In Serbia, the most common varieties 0, I and II MG (maturity group), but also very early and middle early varieties, 000 and 00 MG, you can sow the second crop.

Acknowledgement. Research was supported by the Ministry of Education, Science and Technological Development of the Republic of Serbia (Project, agreement number 451-03-68/2020-14/ 200032) and Bilateral project (Montenegro-Serbia; 2019-2020): Alternative cereals and oil crops as a source of healthcare food and an important raw material for the production of biofuel.

