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## HEMP - PECULIARITIES, VARIETIES AND REPRESENTATIVENESS

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**Abstract:** Hemp is not a crop prohibited or restricted by law, a spring crop with tradition in Romania, even if the surfaces are in a decrease in last years. Hemp is and will be a motivating force for sustainable agriculture around the world. Summarizing the advantages of the "hemp" product we can mention: products obtained are used in various industries: textiles, pharmaceuticals, cosmetics, automobiles, it results in a high production per hectare, etc.

### • Introduction

- Hemp is a spring crop with tradition in Romania, but in recent years the areas have decreased drastically. Since 2015, a coupled production support subsidy has been introduced to encourage farmers to invest in hemp. The new money from APIA joined the Transitional National Aid for hemp and "basic" subsidies for agricultural areas.

The benefits of hemp	
	Hemp absorbs more CO <sub>2</sub> than any other plant
	Hemp helps to clean the air
	For every ton of hemp produced, 63 tons of carbon are reduced
	Hemp products are recyclable, reusable and 100% biodegradable
	Hemp improves soil shredding for future crops
	Hemp supports sustainable global agriculture
	Hemp absorbs heavy metals and other toxins

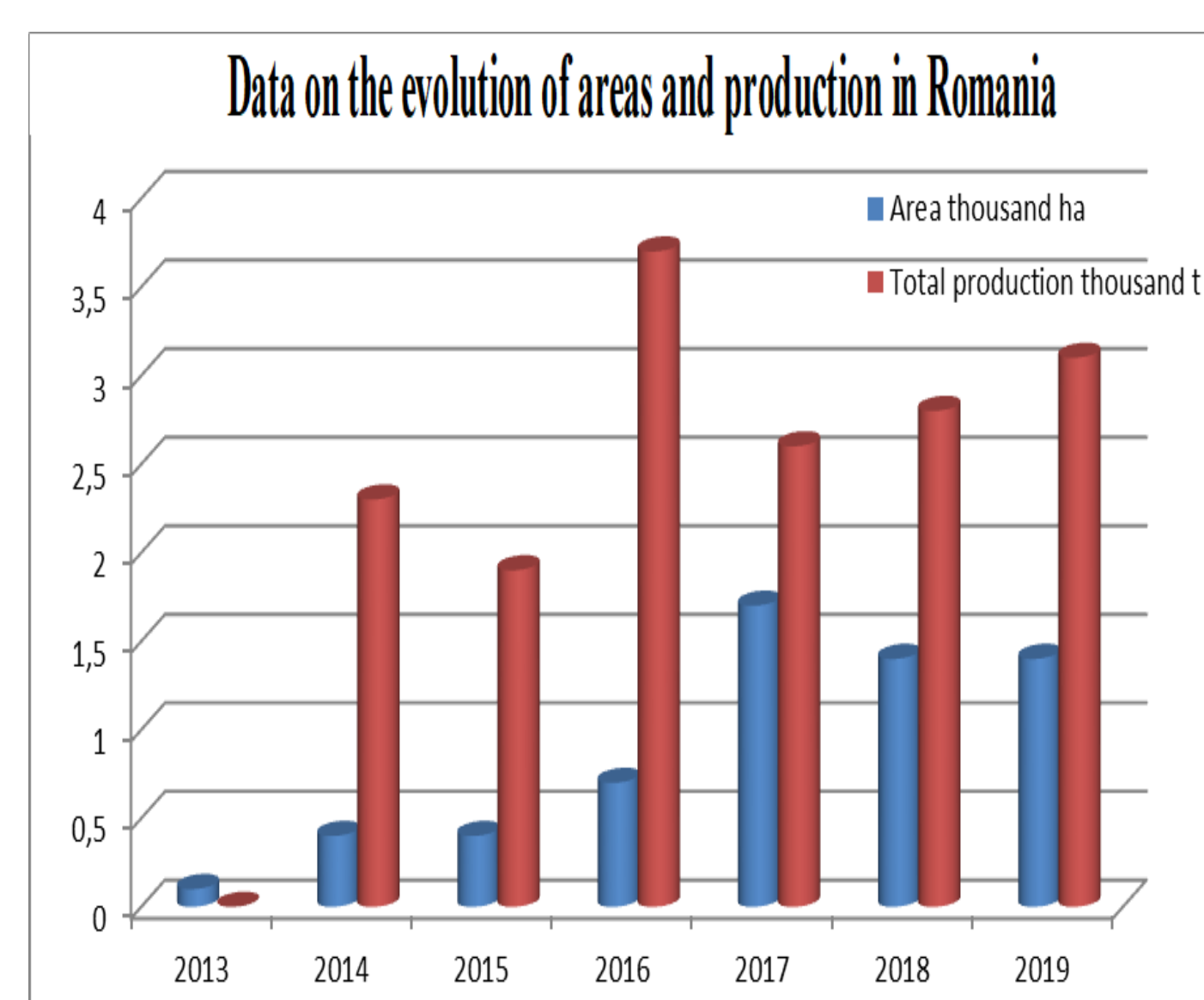
- The environmental benefits (figure 2) of hemp are innumerable. Gaining plant growth contributes to reducing our ecological footprint, improving soil health for future crops and cleaning the air by removing CO<sub>2</sub>, while hemp products can also be recycled and 100% biodegradable. Hemp is and will be a motivating force for sustainable agriculture around the world. In many countries, there are widespread agricultural and environmental problems.

### • Material and method

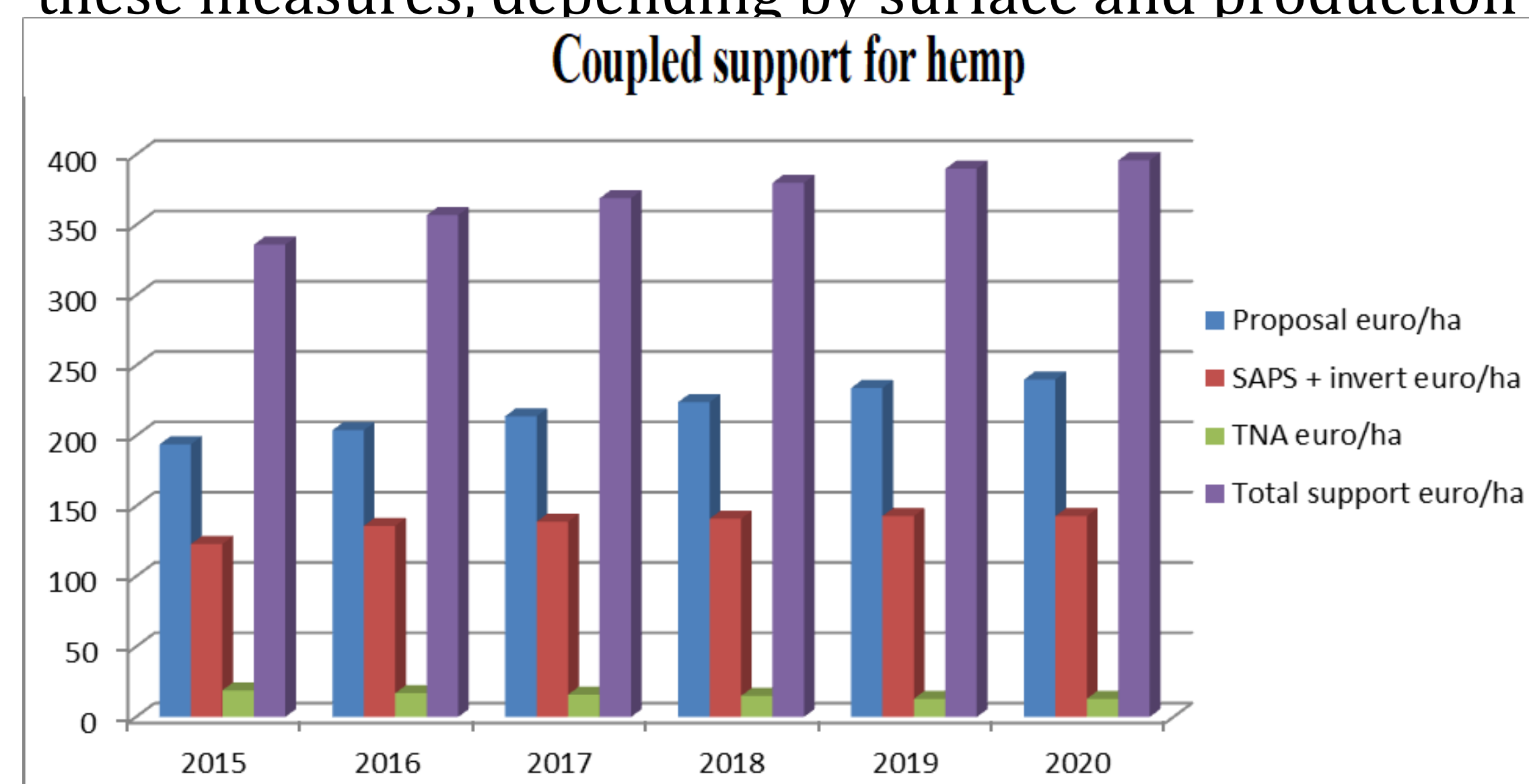
- In order to fulfill the purpose of this paper we used a multi-criteria analysis, using many types of materials: some databases from the field, some statistics, and many theoretic studies.

### • Results and discussions

- In the southern areas as well as in the Western Plain, Banat, by successive cultivation, yields of up to 1000 kg/ha could be obtained, the essential condition is to ensure the humidity until sunrise.



According to the substantiation note, Romania has notified the European Commission to benefit from support schemes coupled to hemp for oil and fiber, for the period 2015-2020 by using the funds allocated on these measures, depending by surface and production



### • Conclusions

- The plant is a future for Romanian farmers, with a high demand for exports. Productions per hectare are also important - up to 3,000 kg per hectare.
- At the same time, hemp capitalizes on less productive soils and the crop can be extended over a large area in our country, because it meets favorable conditions up to altitudes of over 800 meters, which implies an economic advantage