MAPs sector in Bosnia and Herzegovina

CEDDEM
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Bosnia & Herzegovina

Official Name: Bosnia and Herzegovina (BH)
Political system: Parliamentary democracy with a bicameral parliament; BH is composed of Federation of Bosnia and Herzegovina (FBIH) Republika Srpska (RS) and Brcko District
Area: 51,209 km²
Population: 3.8 million (estimate)
Geographical location: Bosnia and Herzegovina is located on the Balkan Peninsula, bordering Croatia on the north and west, Serbia and Montenegro to the east and the Adriatic Sea in the south of the country.
Official languages in BH: Croatian, Serbian and Bosnian
Religions in BH: Islam, Orthodox Christianity and Catholicism
Major cities: Sarajevo (the capital), Banja Luka, Mostar and Tuzla
Bosnia and Herzegovina has long tradition as well as experienced and skilled workforce in collecting and cultivating medicinal and aromatic herbs, wild berries and mushrooms.

The biodiversity of medicinal and aromatic plants and mushrooms in the area of Bosnia and Herzegovina is very rich, thanks to the favourable geographic position, climate and varying geological and pedological conditions, vast surfaces of pastures, medical flora and different kind of forests, lakes and rivers.

In Bosnia and Herzegovina medicinal and aromatic plants have the potential to substantially contribute to the national and local economy. Bosnia and Herzegovina has over 700 species of medicinal and aromatic plants out of which around 200 are exploited. Diversity of climate and vegetation, clean environment and tradition are good preconditions for the production of high quality raw material, essential oils and different herbal products.

Environmental and social aspects of the MAP sector

30 % Organized by the customer

There are no controls over the collection in the MAP sector. Excessive exploitation of resources is a direct consequence of the

Rural population

15 % young people
55 % middle aged (mostly women)
30 % older than 65 years

80,000 collectors
Map of the distribution of plant species in BH

Export – import from 2011 - 2015
Despite the existence of advanced agricultural systems, the collection of MAPs is a significant economic activity in rural areas of BH.

The sector includes more than 50 companies operating in the business of production and processing of MAPs, forest fruits and mushrooms.

Between 8 000 and 9 000 tons of different MAPs, forest fruits and mushrooms are collected annually, which are mainly dried or distilled for export.

The production of final products for export is increasing. Medicinal and aromatic plants, forest fruits and mushrooms are among the few BH agricultural products that have a positive trade balance.

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**About Federal AgroMediterranean Institute Mostar**

Federal AgroMediterranean Institute Mostar carries out technical and other tasks falling under jurisdiction of the Federation Bosnia and Herzegovina related to organization of the reporting and forecasting services in phytosanitary protection; breeding and selection operations in livestock breeding; certification of seed and seedling material of agricultural plants; testing of alimentary articles; control of quantity and quality of the agricultural products and the processed products, mineral fertilizers and plant protection agents; operations from area of winegrowing and wine production, tobacco production, Mediterranean fruit growing; education of farmers and care of land as basic natural resource in the area of the Mediterranean climate region, as well as other productions that are characteristic for this region.

Around ***1100 ha*** is planted of aromatic and medicinal herbs, around ***80 %*** is planted with Immortelle.

Around ***50 distillery***
Scientific research on Immortelle

- Quality standards for essential oils
- Irrigation of medicinal and aromatic plants
- Fertilization of medicinal and aromatic plants
- Pest management of medicinal and aromatic plants
- Advisory service
- Publications and books

Experimental fields
**Experimental fields**
Fertilization of medicinal and aromatic plants

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**Typical plantation**

- On karst
- Recultivation
- Ecological
  - Density: 27,778 plants (90 cm x 40 cm)
  - Size: no less than 5 ha and many with 0.2 ha around 30,000,000 plants
- Mechanization: Yes
- With own distillery
THANKS