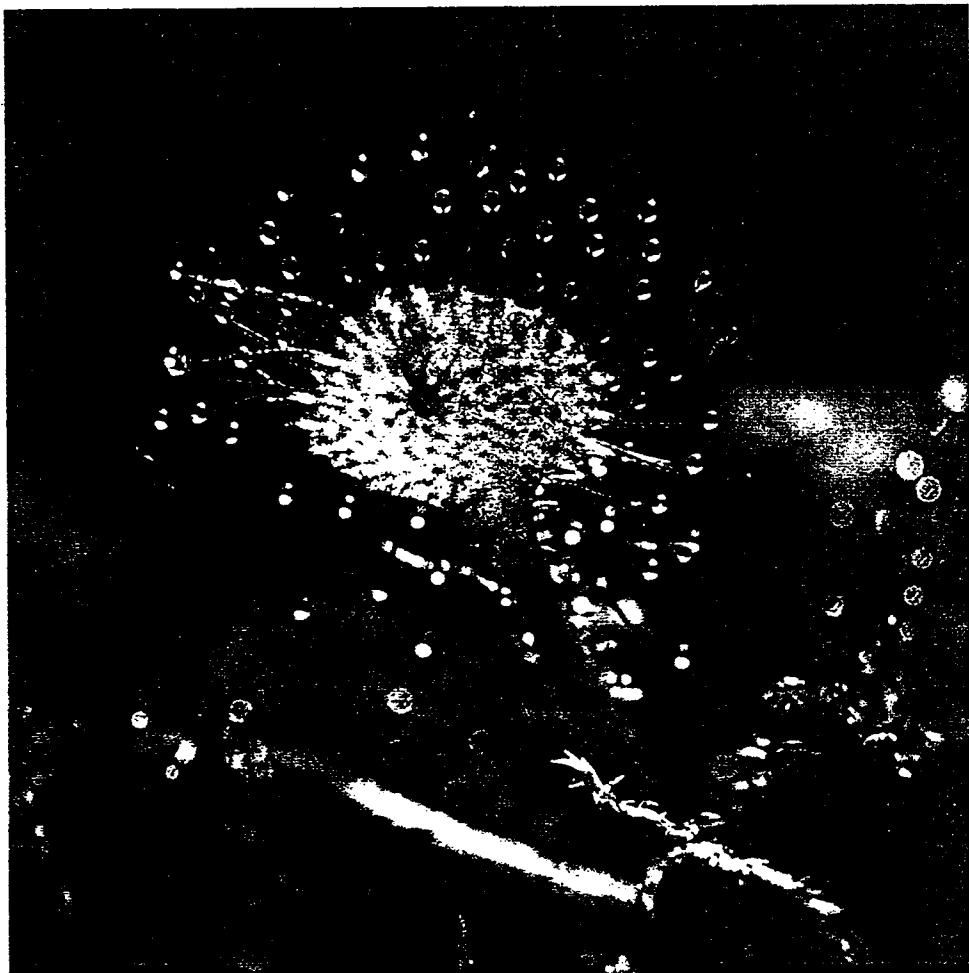


9. Hrvatski biološki kongres ▪ Croatian Biological Congress



s međunarodnim sudjelovanjem - with International Participation

Rovinj 2006. 23. rujna - 29. rujna : : September 23 - September 29

Organizira : Hrvatsko biološko društvo 1885 - SOCIETAS BIOLOGORUM CROATICA 1885
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Pokrovitelji

Ministarstvo znanosti, obrazovanja i športa Republike Hrvatske
Državni zavod za zaštitu prirode
Sveučilište u Zagrebu
Biološki odsjek Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu
Institut „Ruđer Bošković“
Istarska županija
Grad Rovinj

Under the Auspices of

The Ministry of Science, Education and Sport of Republic of Croatia
State Institute for Nature Protection
University of Zagreb
Division of Biology, Faculty of Science, University of Zagreb
Ruđer Bošković Institute
Region of Istria
City of Rovinj

sage plant materials were collected from two different localities (altitudes 110 and 400 m) in central Herzegovina near Mostar and at four different stages of development: vegetative period (leaves and stalks, January), prior to flowering (leaves and stalks, April), in the course of flowering (flowering tops, leaves and stalks, May) and after flowering (leaves and stalks, August). The oil yields varied from 0.29% to 1.07%. The qualitative composition of the components appeared to be constant. However, there were notable differences in the amounts of several compounds depending at the stages of plant development. The main components were α -thujone (9.3-35.6%), camphor (6.9-29.1%) and viridiflorol (6.0-24.0%). Other important components were α -humulene (3.1-13.6), manool (3.0-13.3%), 1,8-cineole (8.6-12.7%) and borneol (2.0-5.5%).

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TOBACCO PRODUCTION IN R. MACEDONIA AS A RESULT OF THE EFFECT OF NATURAL AND SOCIO-ECONOMIC FACTORS

T. Miceski

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A great number of factors affect the production of tobacco (*Nicotiana tabacum* L.), one of the most frequently represented agricultural-industrial crops in the Republic of Macedonia. They are of both natural and socio-economic origin, including: geographic area, relief, climate, soil, hydrography, labour, tradition, culture and also the existential needs and improving the family budget. The relief of R. Macedonia is mountainous. From the total territory of 25.713 km², 488 km² are water areas, 4.900 km² - plains and 20.325 km² - hilly terrain. Of about 650 hectares arable agricultural area, 25 hectares (3.5%) are grown with tobacco. Almost 10% of the total population is engaged in tobacco production. Having in mid the total population, with production of cca 12 kg oriental tobacco per inhabitant, R. Macedonia is among the leading countries in the world. The favorable conditions allowed a production of over 25.000 tons, mainly of oriental aromatic type of tobacco. Information on the factors and trends in tobacco production in R. Macedonia will be presented in this paper.

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