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Some multifunctional Method for creasing the profit in the olive groves

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Abstract

Olive tree is popular in Albania. It is important because it occupies 65% of the land of orchards and about 12% of the total agricultural surface. Olive has small efficiency, periodic production and it does not justify the land that occupies with revenues.

The method consisted in 7 experiments with 39 variants of alternative methods. The variables were analyzed and tested for the variance of biological indices and profitability.

Results proved some alternatives: (i) Reconstruction thorough a physical regeneration of trees, completing the space with a new sapling, change of varieties. (ii) By applying the scheme to intercalary plant, in the period of non-competitive, which enrich the soil with organic matter and humus. (iii) The product management, and sales in the farm, typical oil, leaves, wood, biomass, etc.
The aim

Some technical-economic-scientific data and several exploitation systems, to enhance the efficiency of olive.

Work methods

Scientific research

- Management of vegetation in the olive groves, impacts
- Integrated methods for producing high quality olive oil
- Conventionnel Systèmes de production and bio
- Assessment of the olive products
- Study of reconstruction of olive groves
- The study of artistic values, tourism, and medical
- Cost and profitability analysis

Computerization of the data in JMP software
Statistical analysis and economic index
main results

- Multifunctional system, innovate, manufacture, market, business, profitability
- New applications and innovations have increased revenues.
- Harmonization and optimization according to the terrain characteristics - Olive and peasant economic possibilities
TRADITIONAL OLIVE GROVE:

- Harmonization of resources within the farm....
- Biomass, Berset, tree pruning tree-leaves,
- Soil management to olive grove: Fresh fodder, fertilization green, grazing, mulching
- The recovery of vegetation of trees, the number trees / unit, varietal overhaul
- Prophylactic protocols, not curative... Bio ... extra virgin oil
Traditonal olive groves

- Techniques which add organic matter, maintain soil humidity >70% KFU
- Physical regeneration, varietal, vegetation recovery, the ratio C / N – Wood/vegetation
- Revenue, the associated plant, Wood, Residues, PB

- Mulching
- Change of varieties

[Graphs and images showing measurements and distributions related to nitrogen content, wood reduction, and olive grove images showing mulching and wooden reduction.]
New olive groves

- Technological System – Genetic material
- Planting density – populating density
- Direction: bio products: (prophylactic protocol)
APPLICATIONS

PLANTS FOR FARM & VILLAGE, ORNAMENTAL PLANTS

Extracted two phase-priority — marketing and sales in the farm—biomass
Acids that are of particular interest

- oleic acid
- Cis-vaccinik A
- linoleic acid

\( \omega_3 \)

Rumenic acid

anti-Cancer
Other alternatives

Olive for table (Aut/Treg), extra oil, Sale wood Shearing

Bio oil - Paste – Biomass – Medicine – Tourism: ...Near the castles, old mills, old trees
The profitability index in several different systems

<table>
<thead>
<tr>
<th>System</th>
<th>Oil Hl/Ha</th>
<th>Revenue m$</th>
<th>Profit 1000 $</th>
<th>Index R</th>
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<tbody>
<tr>
<td>New olive groves bio</td>
<td>18.6</td>
<td>10.88</td>
<td>1.21</td>
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<td>Cent. olive groves, natural S</td>
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<td>2.64</td>
<td>2.04</td>
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<td>9.52</td>
<td>4.52</td>
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<td>2.6</td>
<td>2.68</td>
<td>0.28</td>
<td>0.03</td>
</tr>
</tbody>
</table>

**Index R, Profit**
CONCLUSIONS

NATURAL OIL & BIO
«SPECIAL”,
“DIFFERENT“ “AND ONLY”

MODERN NEW OLIVE GROVES, FAMILY TIP

ANY ALTERNATIVE THAT REGENERATE TREES - ADDS THE REVENUES IN OLIVE GROVES


Farmer, Add attention to the olive grove in this Mediterranean country! ... to stimulate your... Development and continuity, of our tradition, generosity, because... this particular resource of tradition, the Intelligence and our culture....

Thank you