Organization of Seed Sector in Serbia

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Organization of Seed Sector in Serbia

Plays a **major role** for the performance and development of agriculture.

The elements of national seed systems:

- plant breeding
- seed production
- seed distribution
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agricultural lend – 6.246.000 ha
arable lend – 3.321.000 ha:

- cereals 66%
- industrial crops 14%
- vegetables 12%
- horticulture 0.05%
- fallow 4%

seed growing area – 96.000 ha

agriculture – 19% the Gross National Product

- farmers 74%
- state farms 23%
- cooperatives 3%
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Plant breeding – 13 scientific-research institutions

More than 3.000 improved varieties different species

- Institute of Field and Vegetable Crops, Novi Sad
- Maize Institute “Zemun Polje”, Belgrade
- Institute of Vegetable Growing, Smederevska Palanka
- Research Institute of Horticulture, Čačak
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Production of certified seed (tons)

<table>
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Winter Wheat</td>
<td>108.850</td>
<td>109.682</td>
</tr>
<tr>
<td>Maize</td>
<td>26.070</td>
<td>25.682</td>
</tr>
<tr>
<td>Soybean</td>
<td>21.052</td>
<td>18.416</td>
</tr>
<tr>
<td>Sunflower</td>
<td>1.147</td>
<td>1.567</td>
</tr>
<tr>
<td>Sugar Beet</td>
<td>486</td>
<td>385</td>
</tr>
<tr>
<td>Potato</td>
<td>9.775</td>
<td>11.926</td>
</tr>
<tr>
<td>Forage Crops and Grasses</td>
<td>1.695</td>
<td>1.651</td>
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</table>
Well organized seed sector - use of **certified seed** in the highest percentage, and varieties with high genetic potential for yield.

**The certification system provides:**

- constant increase of production the varieties with high yield potential
- identification of new varieties and increase of their production
- constant supply of market with certain categories of good quality seed
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Seed certification is a **legal system** for control of multiplication and production of seed which is defined by the following procedures:

- field control
- post-control test of varietal identity and purity
- seed quality control

Categories of seed based on Seed Law:

- Pre-basic seeds
- Basic seeds
- Certified seeds
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Seed Certification Scheme

Institutes → Breeding new varieties

Seed producers

Seed processing companies → Registration of varieties

Authorized Service by the Ministry → Multiplication Harvest

Authorized Laboratory → Harvest

Extension Services Field inspection

Processing Packaging

Official Certificate

Labelling

Certificate of seed lot quality

Official Certificate of seed lot

Final Certificate of seed lot → Seed quality control

Marketing
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- **Seed Law** (Official Gazette RS No.: 45/2005)

- Rule on seed production control, content and the way of keeping files on production of nursery plants of agricultural plants and the form of report on production of mycelia of edible and medicinal mushrooms (Official Gazette RS No.: 06/2006)

- Rule on seed quality testing of agricultural plants (Official Gazette SFRY No.: 47/87)
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- Law on plant protection (Official Gazette SRY, No.: 24/98)
  - Rule on offering services in the field of plant protection (Official Gazette SRY No.: 42/99)
  - Rule on methods for pesticide testing (Official Gazette SRY No.: 11/99)
  - Rule on health testing of plant consignments moving across the state border (Official Gazette SRY No.: 12/99)
  - Rule book on health testing of crops and object for production of seed, seedling and planting material, and health testing of seed, seedling, and planting material (Official Gazette RS No.: 59/06)
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- **Law of Genetically Modified Organisms** (Official Gazette, SRY, No.: 21/2001)
  - Rule on limited usage of GMO (Official Gazette SRY, No.: 62/2002)
  - Rule on placing GMO and GMO products on the market (Official Gazette, SRY, No.: 62/2002)
  - Rule on introduction of GMO products into production (Official Gazette, SRY, No.: 62/2002)
  - Rule on labeling of agricultural and food products obtained from GMO (Official Gazette, SRY, No.: 6/2003)
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- Now, in Serbia, we have a final draft of new Seed Law, Low on Protection of Plant Breeder’s Rights (harmonized with UPOV) and Low of Genetically Modified Organisms (harmonized with EU regulations), which are in procedure of Assembly adoption.
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Organizations contributing to improvement of seed sector in Republic of Serbia

- Association of agricultural engineers and technicians
- Association of breeders and seed producers
- Serbian Seed Association (YUSEA)
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The aim of YUSEA is to inform its members on the news in domestic and foreign seed trade; give proposals to competent ministry regarding decision making, changes, and editions to law relating to seed; organize thematic meetings, and what is most important - protect the interests of its members. YUSEA was formed in order to organize and connect all structures having seed sector as their activity, due to extremely significant importance the seed sector has for agriculture, i.e. for total economy of Serbia.