

STATISTICAL RELEASE

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Environmental statistics

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Irrigation in Republic of Serbia, 2010

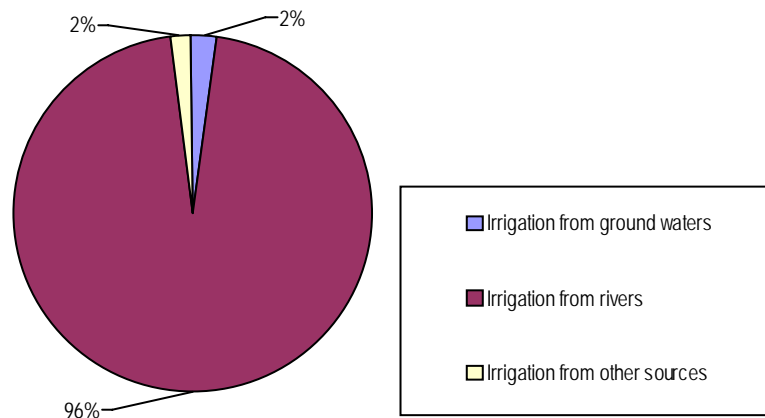
– Preliminary data –

Statistical Release contains preliminary data on irrigation, irrigation facilities and equipment, as well areas covered by the related system depending of the irrigation type practice.

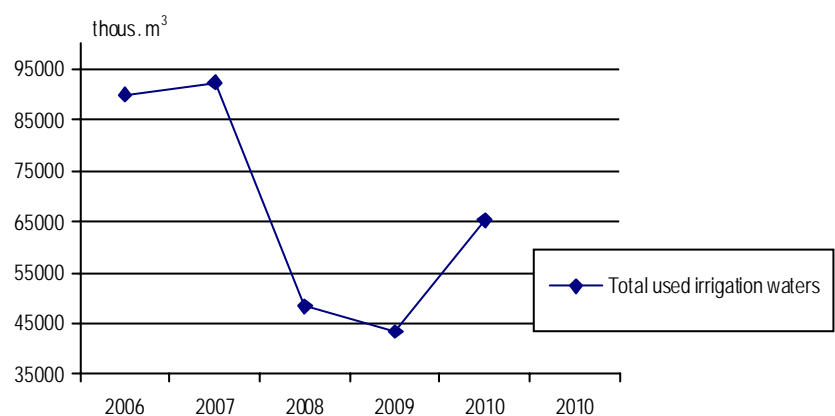
Total water abstracted for irrigation was 65 450 thous. m³ in 2010, of which most were pumped from rivers – 96%, while the rest were abstracted from the groundwater, lakes and reservoirs.

The data relating to the Republic of Serbia and its sub-territories. Starting from 1999, the Statistical Office of the Republic of Serbia does not have available certain data for AP Kosovo and Metohia, which are therefore not included in the data for the Republic of Serbia (total).

Graph 1. Used irrigation water by abstraction source in the Republic of Serbia, 2010



Graph 2. Total irrigation waters in the Republic of Serbia, 2006-2010.

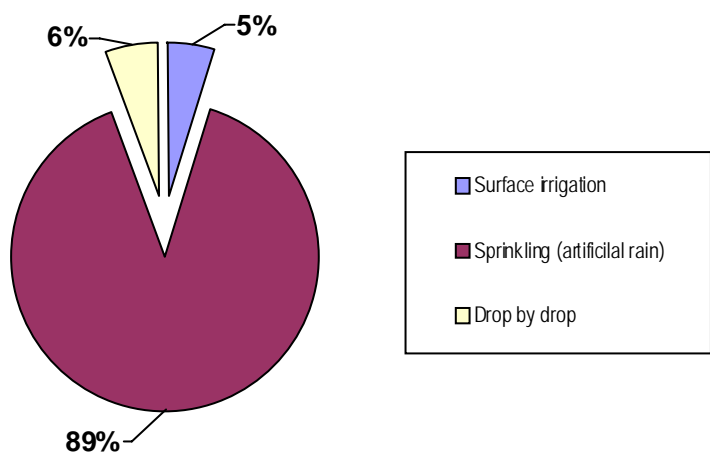


1. Used irrigation water¹⁾, 2010

	Republic of Serbia				
	Total	Belgrade	Vojvodina	Sumadija and Western Serbia	Southern and Eastern Serbia
Used irrigation waters	65 450	7 935	10 210	27 276	20 029
From ground waters	1 419	24	435	860	100
From fivers	62 763	7 907	8 527	26 400	19 929
From other sources	1 268	4	1 248	16	-

¹⁾ Preliminary data.

Graph 3. Irrigated areas by irrigation type in the Republic of Serbia, 2010.



The irrigated area in 2010 was 25 128 ha, and the most frequent type of irrigation, as in previous year, was the sprinkling irrigation (89% of area irrigated by the sprinkling irrigation, 5% irrigated by the surface irrigation, while the irrigation drop by drop represented 6% of the irrigated area).

2. Irrigated area under crops/plantations, 2010.¹⁾

Republic of Serbia					ha
	Surface irrigation	Sprinkling	Drop by drop	Total arable area	From that: Irrigated area
Total	1 261	22 442	1 425	5 091 507	25 128
Belgrade	1	1 461	121	217 374	1 583
Vojvodina	451	14 154	367	1 589 203	14 972
Sumadija and Western Serbia	12	243	74	1 500 578	329
Southern and Eastern Serbia	797	6 584	863	1 784 352	8 244

¹⁾ Preliminary data.

The share of irrigated area in relation to the total utilized agricultural area in 2010 was 0.49%, while in relation to area covered by irrigation systems the share was 28.5%.

3. Facilities and equipment for irrigation, 2006-2010¹⁾

Republic of Serbia					
	2006	2007	2008	2009	2010
Facilities and equipment for irrigation					
Pumping plants (number)	427	280	564	770	510
Sprinkler systems (number)	1 250	498	449	480	375
Total canals, km	2 141	460	1 258	2 297	658
Total pipelines, km	1 342	919	1 110	1 739	930

¹⁾ Preliminary data

Methodological explanations

Survey on Irrigation includes reporting units (agricultural enterprises and farms) engaged in agricultural production and services and/or in the management of irrigation systems, i.e. whose activity was exploitation of water for agricultural purpose as defined in NACE in the section Agriculture, Forestry and Fishing, and division 01 – Crop and Animal Production, Hunting and Related Service Activities.

Geographically, the survey covers enterprises that carry out their activity on the whole territory of the Republic of Serbia.

The reporting method is used for data collection, i.e. the reporting unit fills in the questionnaire based on available documentation. Should any corresponding documentation on certain information lack, a competent person makes an estimation based on her/his knowledge of the functions of irrigation systems, available facilities, network condition and irrigation equipments along with technical characteristics. The reporting unit forwards the filled in questionnaire to the relevant statistical office located on its territory.

River basin is a river with all its tributaries, if they are not counted as a separate basin. Otherwise only the direct tributary of the corresponding river is shown. River with minor basin are counted in so-called „direct basin“ of a bigger river.

Under area fit for irrigation presented is the area on which there are irrigation systems (canals with related facilities and pumping installations), and which can be irrigated with the existing equipment, whether it is irrigated or not.

Under used water for irrigation presented are the quantities of water which were consumed for the purpose of irrigating the utilized agricultural area by means of the three irrigation methods (surface, sprinkling and drop-by-drop).

Under length of canals, that is, irrigation pipelines, presented is the length of all principal and distribution canals, i.e pipelines.

More details about methodologies divisions are available on the SORS website: <http://webrzs.stat.gov.rs/WebSite/userFiles/file/Zivotna%20sredina/SMET8/SMET011040C.pdf>.

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Telephone: ++381 11 2412-922 (operator) • Fax: ++381 11 2411-260 • www.stat.gov.rs
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