

STATISTICAL RELEASE

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Environmental statistics

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Irrigation in Republic of Serbia, 2011

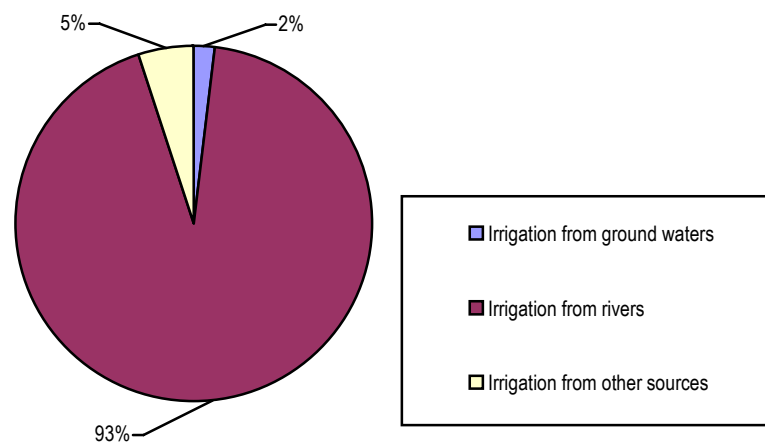
– Preliminary data –

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.

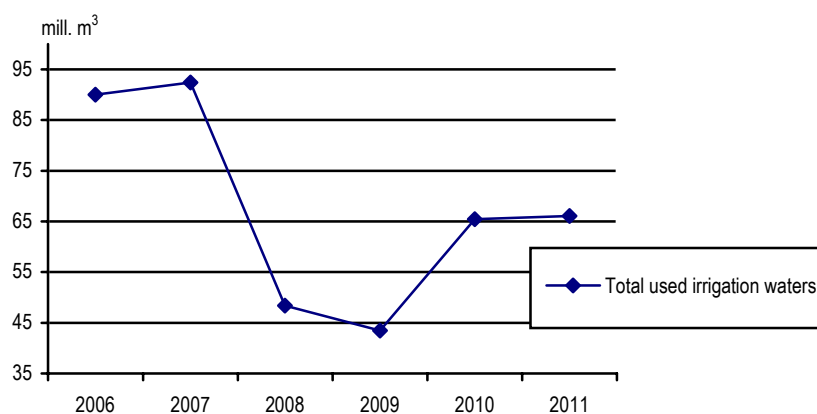
Total water abstracted for irrigation was 66 092 thous. m³ in 2011, of which most were pumped from rivers – 93%, while the rest were abstracted from the groundwater, lakes and reservoirs.

Starting from 1999, the Statistical Office of the Republic of Serbia does not have available certain data for AP Kosovo and Metohija, 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, 2011



Graph 2. Total irrigation waters in the Republic of Serbia, 2006-2011.

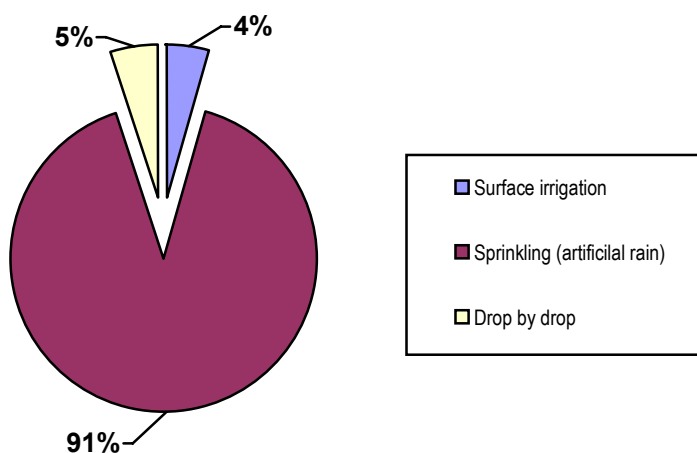


1. Used irrigation water¹⁾, 2011 by Regions

	Republic of Serbia					
	Total	Belgrade	Vojvodina	Šumadija and West Serbia	South and East Serbia	Kosovo and Metohija
Used irrigation waters	66 092	10 610	21 084	213	34 185	...
From ground waters	1 400	22	669	197	512	...
From fivers	61 168	10 584	16 915	–	33 669	...
From other sources	3 524	4	3 500	16	4	...

¹⁾ Preliminary data.

Graph 3. Irrigated areas by irrigation type in the Republic of Serbia, 2011.



In 2011, 91 959 ha were covered by irrigation systems of which irrigated area was 34 175 ha, and the most frequent type of irrigation, as in the previous year, was sprinkling irrigation. From total irrigated area, 91% of area irrigated by sprinkling irrigation, 4% irrigated by surface irrigation, while irrigation drop by drop represented 5% of the irrigated area.

2. Irrigated area under crops/plantations, 2011¹⁾ by Regions

Republic of Serbia						ha
	Surface irrigation	Sprinkling	Drop by drop	Arable area		
				Total	From that: Irrigated area	
Total	1 525	30 965	1 685	5 096 267	34 175	
Belgrade	–	3 467	53	215 414	2 520	
Vojvodina	–	20 227	289	1 780 588	20 516	
Šumadija and West Serbia	204	8	77	1 592 361	289	
South and East Serbia	1 321	8 263	1 266	1 507 904	10 850	
Kosovo and Metohija	

¹⁾ Preliminary data.

The share of irrigated area in relation to the total utilized agricultural area in 2010 was 0.67%, while in relation to area covered by irrigation systems the share was 37.2%.

3. Facilities and equipment for irrigation, 2007-2011¹⁾

Republic of Serbia					
	2007	2008	2009	2010	2011
Facilities and equipment for irrigation					
Pumping plants (number)	280	564	770	510	552
Sprinkler systems (number)	498	449	480	375	373
Total canals, km	460	1 258	2 297	658	572
Total pipelines, km	919	1 110	1 739	930	769

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://webzrs.stat.gov.rs/WebSite/Public/PageView.aspx?pKey=201>.

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