



RUSSIAN FEDERATION
Irrigated crop calendar

2006

Calendar used in 2012 'Irrigation water use' study is downloadable in [PDF](#)

Irrigated crops	Area	Crop area as percentage of the full control equipped and actually irrigated area by month											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Wheat	61	7	7	7	7	7						7	7
Rice	38				4	4	4	4	4				
Maize	15				2	2	2	2	2				
Barley	26	3	3	3	3							3	3
Other cereals	23				2	2	2	2	2				
Vegetables	57				6	6	6	6	6				
Fruits	66	7	7	7	7	7	7	7	7	7	7	7	7
Potatoes	82				9	9	9	9	9				
Pulses	32				3	3	3	3	3				
Sugar beet	32			3	3	3	3	3	3				
Fodder temporary	328	35	35	35	35							35	35
Pasture permanent	178	19	19	19	19	19	19	19	19	19	19	19	19
Harvested irrigated crop area [AHI_{full}]	939												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	939	70	70	74	100	62	56	56	56	26	26	70	70
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	2 375												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	40												
Total area equipped for irrigation [AEI_{tot}]	2 375												



Narrative Russian Federation

AEI_{tot} covered 6 120 000 ha in 1990 but declined to 5 198 000 ha in 1994, 4 457 100 ha in 2002 and 2 375 000 ha in 2006 (FAO, 2012). The crop calendar is adapted from AT 2030/2050 (FAO, 2006). AHI_{full} is identical to AAI_{full} due to the climate conditions allowing only one cropping cycle per year, that is 938 900 ha. Temporary fodder is the main irrigated crop (35 percent) followed by permanent pastures (19 percent) and cereals (17 percent). Some potatoes, fruits, vegetables, pulses and sugar beet are also irrigated. Temporary crops are mostly summer crops, irrigated from March (sugar beet only) or April to August. Only winter wheat, barley and fodder are grown during winter. Similarly to permanent crops, winter crops are irrigated only during dry periods.

References

- FAO.** 2006. *World agriculture: towards 2030/2050*. Interim report. FAO, Global Perspective Studies Unit. Rome, Italy. Available at http://www.fao.org/fileadmin/user_upload/esag/docs/Interim_report_AT2050web.pdf, accessed in November 2012.
- FAO.** 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>