



ROMANIA

Irrigated crop calendar

2007

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
Maize	38				22	22	22	22	22				
Vegetables	20				12	12	12	12	12				
Fruits	41	24	24	24	24	24	24	24	24	24	24	24	24
Soybeans	15				9	9	9	9	9				
Rapeseed	5				3	3	3	3	3				
Sunflower	27				16	16	16	16	16				
Potatoes	3				2	2	2	2	2				
Pulses	3				2	2	2	2	2				
Fodder temporary	20	12	12	12	12							12	12
Harvested irrigated crop area [AHI_{full}]	173												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	173	35	35	35	100	88	88	88	88	24	24	35	35
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	615												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	28												
Total area equipped for irrigation [AEI_{tot}]	615												



Narrative Romania

Many of the previous infrastructures for irrigation have been abandoned. Eurostat reports an irrigable area of 1 510 830 ha in 2003 (EC, 2010), which is about half of the area developed in former times. AEI_{full} and AAI_{full} are 615 300 ha and 173 400 ha respectively in 2007 (Eurostat, 2012). The crop calendar is adapted from AT 2030/2050 (FAO, 2006). AHI_{full} is assumed to be equal to AAI_{full} , resulting in a cropping intensity of 100 percent. The main irrigated crops are fruit, maize and sunflower. Some vegetables, fodder, soybeans, rapeseed, potatoes and pulses are also irrigated. Except temporary fodder, all temporary crops are summer crops irrigated from April to August. Fruit trees are assumed to be irrigated almost the whole year, that is in summer for water deficit and in winter/spring for frost protection.

References

- European Commission [EC].** 2010. Agricultural Production Systems: Irrigable and irrigated area. EUROSTAT. Available at http://appsso.eurostat.ec.europa.eu/nui/show.do?dataset=aei_ps_ira&lang=en, accessed in September 2010.
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