



THE FORMER YUGOSLAV REPUBLIC OF MACEDONIA
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
Wheat	3.7				5	5	5	5	5				
Maize	16.7				21	21	21	21	21				
Other cereals	6.6				8	8	8	8	8				
Vegetables	16.0				20	20	20	20	20				
Fruits	18.6	23	23	23	23	23	23	23	23	23	23	23	23
Oil crops	1.8				2	2	2	2	2				
Fodder temporary	6.9				9	9	9	9	9				
Pasture permanent	4.3	5	5	5	5	5	5	5	5	5	5	5	5
Tobacco	5.1				6	6	6	6	6				
Harvested irrigated crop area [AHI_{full}]	79.6												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	79.6	29	29	29	100	100	100	100	100	29	29	29	29
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	127.8												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	62												
Total area equipped for irrigation [AEI_{tot}]	127.8	* This area refers to the year 2004											



Narrative The former Yugoslav Republic of Macedonia

AEI_{tot} and AEI_{full} are 127 800 ha in 2004 (FAO, 2012), while AHI_{full} is 79 637 ha in 2007 (SSO, 2009). The crop calendar is based on the 2007 Agricultural Census (SSO, 2009) but 'cereals' have been divided into individual cereals based on AT 2030/2050 ratio (FAO, 2006). And 'industrial crops' was assumed to be tobacco also based on AT 2030/2050. AAI_{full} is assumed equal to AHI_{full} , resulting in a cropping intensity of 100 percent. The main irrigated crops are cereals (34 percent mostly maize), fruits (24 percent including 2/3 of vineyards), and vegetables (20 percent). Some temporary fodder, tobacco, permanent pasture and oil crops are also irrigated. Temporary crops are summer crops only, irrigated from April to August. Permanent crops, in particular fruit trees and vineyards, are irrigated almost the whole year, for both water deficit in dry periods and frost protection in winter/spring.

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.

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