



NETHERLANDS

Irrigated crop calendar

2007

Calendar used in 2012 'Irrigation water use' study is downloadable in

[PDF](#)

Irrigated crops	Area 1000 ha	Crop area as percentage of the full control equipped and actually irrigated area by month											
		J	F	M	A	M	J	J	A	S	O	N	D
Maize	31				15	15	15	15	15				
Vegetables	41				20	20	20	20	20				
Fruits	15	7	7	7	7	7	7	7	7	7	7	7	7
Potatoes	55				27	27	27	27	27				
Sugar beet	16			8	8	8	8	8	8				
Pasture permanent	44	22	22	22	22	22	22	22	22	22	22	22	22
Harvested irrigated crop area [AHI_{full}]	202												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	202	29	29	37	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}]	457												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	44												
Total area equipped for irrigation [AEI_{tot}]	457												

Narrative

AEI_{tot} and AEI_{full} are 457 200 ha, and AAI_{tot} and AAI_{full} are 202 300 ha 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}. The main irrigated crops are potatoes (27 percent), permanent pasture (22 percent, grasslands are considered permanent pastures), maize (15 percent) and fruit (15 percent). Vegetables and sugar beet are also irrigated. Temporary crops are summer crops only, irrigated from March (sugar beet) or April to August. Permanent crops are assumed to be irrigated almost the whole year (for water deficit in summer and frost protection in winter/spring).

References

Eurostat. 2012. EUROSTAT irrigation data. Available at <http://epp.eurostat.ec.europa.eu/>, accessed in June 2012.

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.