



SWITZERLAND

Irrigated crop calendar

2010

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	2.0				6	6	6	6	6				
Other cereals	2.4				7	7	7	7	7				
Vegetables	7.3				20	20	20	20	20				
Fruits	4.6	13	13	13	13	13	13	13	13	13	13	13	13
Grapes	2.5	7	7	7	7	7	7	7	7	7	7	7	7
Oil crops	0.4				1	1	1	1	1				
Potatoes	3.7				10	10	10	10	10				
Sugar beet	0.7			2	2	2	2	2	2				
Pasture permanent	12.5	35	35	35	35	35	35	35	35	35	35	35	35
Harvested irrigated crop area [AHI_{full}]	36.2												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	36.2	54	54	56	100	100	100	100	100	54	54	54	54
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	55.0	*											
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	66												
Total area equipped for irrigation [AEI_{tot}]	55.0	* This area refers to the year 2007											

Narrative

AEI_{tot} and AEI_{full} are 55 000 ha in 2007 (OFAG, 2008). The average area usually irrigated is around 43 000 ha and the additional 12 000 ha are irrigated only in very dry year. However, AHI_{full} in 2010 is 36 200 ha (OFS, 2011), figure also used for AAI_{full}. The main irrigated crops are permanent pasture, vegetables, fruits and cereals (mainly maize). Some potatoes, vineyards, sugar beet and oil crops are also irrigated. Temporary crops are all summer crops irrigated from March (sugar beet only) or April to August. Permanent crops, in particular fruits and vineyards, are assumed to be irrigated almost the whole year either for water deficit in dry periods or frost protection in winter/spring.

References

Office Fédéral de l'Agriculture Suisse [OFAG]. 2008. *Document Thématique 6: Eau*. Confédération Suisse.

Office Fédéral de la Statistique [OFS]. 2011. Recensement des exploitations agricoles 2010. Available at <http://www.bfs.admin.ch/bfs/portal/fr/index/themen/07/03/blank/data/01/02.html>, accessed in June 2012.