



ESTONIA

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
Vegetables	0.166				51	51	51	51	51				
Fruits	0.071	22	22	22	22	22	22	22	22	22	22	22	22
Potatoes	0.025				8	8	8	8	8				
Other temporary crops	0.063				19	19	19	19	19				
Pasture permanent	0.001	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Harvested irrigated crop area [AHI_{full}]	0.326												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	0.326	22	22	22	100	100	100	100	100	22	22	22	22
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	0.458												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	71												
Total area equipped for irrigation [AEI_{tot}]	0.458												

Narrative

AEI_{tot} and AEI_{full} are 458 ha in 2010, while AAI_{tot} and AAI_{full} average 352 ha over the previous three years according to the 2010 Agricultural Census (Estonia Statistics, 2011). The areas equipped and actually irrigated declined in the last decades, being over 3 600 ha and 1 622 ha respectively in 1995 (FAO, 2012). AHI_{full} is 326 ha in 2010. This figure is also used for AAI_{full} in 2010 for a more accurate calendar. The main irrigated crops are vegetables, potatoes and other temporary crops which are grown in summer from April to August; a very limited area of permanent pasture is also irrigated. Fruit plantations are assumed to be irrigated the whole year (for frost protection in winter/spring and water deficit in summer).

References

- Estonia Statistics.** 2011. 2010 Agricultural Census. Available at <http://www.stat.ee/ac2010>, accessed in June 2012.
- FAO.** 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>