



**GEORGIA**

**Irrigated crop calendar**

**2007**

Irrigated crops	Area	Crop area as percentage of the full control actually irrigated area by month											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Wheat	16	13	13	13	13						13	13	13
Barley	5	4	4	4	4							4	4
Maize	6					5	5	5	5	5			
Vegetables	10					8	8	8	8	8			
Fruits	31	24	24	24	24	24	24	24	24	24	24	24	24
Citrus	4	3	3	3	3	3	3	3	3	3	3	3	3
Sunflower	5					4	4	4	4	4			
Potatoes	9					7	7	7	7	7			
Tea	3	2	2	2	2	2	2	2	2	2	2	2	2
Pulses	3					2	2	2	2	2			
Fodder temporary	34	27	27	27	27							27	27
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>126</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>126</b>	<b>73</b>	<b>73</b>	<b>73</b>	<b>73</b>	<b>56</b>	<b>56</b>	<b>56</b>	<b>56</b>	<b>56</b>	<b>42</b>	<b>73</b>	<b>73</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>100</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>401</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>31</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>433</b>												



## Narrative Georgia

AEI<sub>tot</sub> covers 432 790 ha (2006), of which 401 290 ha correspond to AEI<sub>full</sub> and 31 500 ha to equipped wetland and inland valley bottoms (Ministry of Environment and Natural Resources Protection, 2006). AAI<sub>full</sub> is estimated at 126 060 ha (Siebert *et al.*, 2010), while AHI<sub>full</sub> is reported similar by the Ministry of Environment and Natural Resources Protection, resulting in a cropping intensity of 100 percent. The crop calendar is adapted from AT 2030/2050 (FAO, 2006). The main irrigated crops are fruits (including citrus), temporary fodder, cereals (mostly wheat, but also maize and barley). Some vegetables, potatoes, sunflower, pulses and tea are also irrigated. Temporary crops are mostly irrigated from May to September, except for some cereals and temporary fodder which are cultivated from October or November to April.

## 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](http://www.fao.org/fileadmin/user_upload/esag/docs/Interim_report_AT2050web.pdf), accessed in July 2012.

**Ministry of Environment and Natural Resources Protection.** 2006. *National report on environment conditions in Georgia*.

**Siebert, S., Burke, J., Faures, J. M., Frenken, K., Hoogeveen, J., Döll, P., and Portmann, F. T.** 2010. Ground water use for irrigation - a global inventory. *Hydrol. Earth Syst. Sci.*, 14, 1863–1880. Available at <http://www.fao.org/docrep/013/al816e/al816e00.pdf>, accessed in June 2012.