



ETHIOPIA

Irrigated crop calendar

2001

| 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 | 23 | 8 | 8 | 8 | 8 | 8 | | | | | | 8 | 8 |
| Maize | 87 | | | | | | 30 | 30 | 30 | 30 | 30 | | |
| Barley | 6 | 2 | 2 | 2 | 2 | 2 | | | | | | 2 | 2 |
| Sorghum and other cereals | 20 | | | | | | 7 | 7 | 7 | 7 | 7 | | |
| Vegetables | 107 | 37 | 37 | 37 | | | | | | | | 37 | 37 |
| Bananas | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Citrus | 6 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Fruits | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Groundnuts | 6 | 2 | 2 | 2 | | | | | | | | 2 | 2 |
| Potatoes and other tubers | 52 | 18 | 18 | 18 | | | | | | | | 18 | 18 |
| Pulses | 9 | 3 | 3 | 3 | | | | | | | | 3 | 3 |
| Sugarcane | 27 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| Cotton | 58 | | | | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | |
| Harvested irrigated crop area [AHI_{full}] | 411 | | | | | | | | | | | | |
| Area equipped for full control irrigation actually irrigated [AAI_{full}] | 290 | 85 | 85 | 85 | 45 | 45 | 72 | 72 | 72 | 72 | 72 | 85 | 85 |
| Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}] | 142 | | | | | | | | | | | | |
| Area equipped for full control irrigation [AEI_{full}] | 290 | | | | | | | | | | | | |
| % of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}] | 100 | | | | | | | | | | | | |
| Total area equipped for irrigation [AEI_{tot}] | 290 | | | | | | | | | | | | |



Narrative Ethiopia

AEI_{full} is 289 600 ha (FAO, 2012a and 2012b) in 2001. However, there is a significant variability according to the sources in regards with AAI_{full} . While AAI_{full} is 170 000 ha in FAOSTAT for 2009 (FAO, 2012b) and 121 000 ha in 2003, it is 289 600 ha in AQUASTAT for 2001 (that is equal to AEI_{full}) (FAO, 2012a). Similarly AHI_{full} is 286 000 ha for 2000 in AT 2030/2050 (FAO, 2006), 357 000 ha for 2006 from AT 2050/2080 (FAO, 2011), and 410 600 ha in AQUASTAT for 2002 (FAO, 2012a). Finally the crop calendar is based on the information available in AQUASTAT, resulting in a cropping intensity of 142 percent. The main irrigated crops are cereals (mainly maize), vegetables, cotton, roots and tubers, and sugarcane. Irrigation is practiced all year round with temporary crops being irrigated mostly in winter (from November to March or May), except some cereals (maize and sorghum) and cotton.

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 July 2012.
- FAO.** 2011. *World agriculture: towards 2050/2080*. FAO, Global Perspective Studies Unit. Rome. (Internal document).
- FAO.** 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>
- FAO.** 2012b. FAOSTAT online database. <http://faostat.fao.org/>.