



HUNGARY

Irrigated crop calendar

2007

| 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 | 14.2 | | | | 16 | 16 | 16 | 16 | 16 | | | | |
| Vegetables | 26.3 | | | | 30 | 30 | 30 | 30 | 30 | | | | |
| Fruits | 21.5 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Rapeseed | 2.0 | | | | 2 | 2 | 2 | 2 | 2 | | | | |
| Sunflower | 2.3 | | | | 3 | 3 | 3 | 3 | 3 | | | | |
| Potatoes | 9.3 | | | | 11 | 11 | 11 | 11 | 11 | | | | |
| Pulses | 8.0 | | | | 9 | 9 | 9 | 9 | 9 | | | | |
| Sugar beet | 2.9 | | | 3 | 3 | 3 | 3 | 3 | 3 | | | | |
| Pasture permanent | 1.1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Harvested irrigated crop area [AHI_{full}] | 87.6 | | | | | | | | | | | | |
| Area equipped for full control irrigation actually irrigated [AAI_{full}] | 87.6 | 26 | 26 | 29 | 100 | 100 | 100 | 100 | 100 | 26 | 26 | 26 | 26 |
| Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}] | 100 | | | | | | | | | | | | |
| Area equipped for full control irrigation [AEI_{full}] | 140.9 | | | | | | | | | | | | |
| % of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}] | 62 | | | | | | | | | | | | |
| Total area equipped for irrigation [AEI_{tot}] | 140.9 | | | | | | | | | | | | |

Narrative

AEI_{tot} and AEI_{full} are 140 900 ha and AAI_{full} is 87 620 ha in 2007 (Eurostat, 2012). The crop calendar is adapted from AT 2030/2050 (FAO, 2006). AHI_{full} is estimated to be equal to AAI_{full}. The main irrigated crops are vegetables, fruit and maize. Some potatoes, pulses, sugar beet, sunflower, rapeseed and permanent pasture are also irrigated. All temporary crops are summer crops, irrigated from March (sugar beet) or April to August. Permanent crops are 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.