



BELARUS

Irrigated crop calendar

2011

| 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 |
| Vegetables | 3.0 | | | | 10 | 10 | 10 | 10 | 10 | | | | |
| Fruits | 2.3 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Potatoes | 2.9 | | | | 10 | 10 | 10 | 10 | 10 | | | | |
| Pulses | 2.3 | | | | 8 | 8 | 8 | 8 | 8 | | | | |
| Pasture permanent | 20.1 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |
| Harvested irrigated crop area [AHI_{full}] | 30.6 | | | | | | | | | | | | |
| Area equipped for full control irrigation actually irrigated [AAI_{full}] | 30.6 | 73 | 73 | 73 | 100 | 100 | 100 | 100 | 100 | 73 | 73 | 73 | 73 |
| Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}] | 100 | | | | | | | | | | | | |
| Area equipped for full control irrigation [AEI_{full}] | 30.6 | | | | | | | | | | | | |
| % of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}] | 100 | | | | | | | | | | | | |
| Total area equipped for irrigation [AEI_{tot}] | 30.6 | | | | | | | | | | | | |

Narrative

AEI_{tot} reached its maximum in the 1980s at 163 000 ha and then declined to 149 000 ha in 1990, 131 000 ha in 1993 (FAO, 2012) and 115 000 ha in 2003 as reported in the Global Map of Irrigation Areas (Siebert *et al.*, 2005) and considered still valid (Siebert *et al.*, 2010). AEI_{full} is considered equal to AEI_{tot}, based on previous data set. AAI_{full} is 30 600 ha in 2011 (NSC, 2011), and AHI_{full} is assumed similar. The main irrigated crop is by far permanent pasture followed by vegetables. Temporary crops are irrigated in summer from April to August.

References

FAO. 2012. AQUASTAT, FAO's global information system on water and agriculture. <http://www.fao.org/nr/aquastat>

National Statistics Committee of the Republic of Belarus [NSC]. 2011. Environmental protection in the Republic of Belarus. Statistical book 2011. Available at <http://belstat.gov.by/homep/en/publications/environment/2012/about.php>, accessed in June 2012.

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.