



**PORTUGAL**

**Irrigated crop calendar**

**2007**

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	14	3	3	3	3	3						3	3
Rice	23				6	6	6	6	6				
Maize	94				22	22	22	22	22				
Other cereals	51				12	12	12	12	12				
Vegetables	55				13	13	13	13	13				
Fruits	40	9	9	9	9	9	9	9	9	9	9	9	9
Citrus	17	4	4	4	4	4	4	4	4	4	4	4	4
Sunflower	9				2	2	2	2	2				
Olive trees	38	9	9	9	9	9	9	9	9	9	9	9	9
Potatoes	18				4	4	4	4	4				
Pulses	22				5	5	5	5	5				
Sugar beet	4			1	1	1	1	1	1				
Pasture permanent	37	9	9	9	9	9	9	9	9	9	9	9	9
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>422</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>422</b>	<b>34</b>	<b>34</b>	<b>35</b>	<b>100</b>	<b>100</b>	<b>97</b>	<b>97</b>	<b>97</b>	<b>31</b>	<b>31</b>	<b>34</b>	<b>34</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>584</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>72</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>584</b>												



## Narrative Portugal

$AEI_{tot}$  and  $AEI_{full}$  are 583 700 ha, and  $AAI_{tot}$  and  $AAI_{full}$  are 421 500 ha in 2007 (Eurostat, 2012). The crop calendar is adapted from AT 2030/2050 (FAO, 2006).  $AHI_{full}$  is assumed to be equal to  $AAI_{full}$ , resulting in a cropping intensity of 100 percent. The main irrigated crops are cereals (43 percent, mainly maize), fruit (22 percent, including citrus and olives) and vegetables (13 percent). Some permanent pasture, pulses, potatoes, sunflower and sugar beet are also irrigated. Temporary crops are mostly summer crops, irrigated from March (sugar beet) or April to August, except winter wheat and fodder. Permanent crops are assumed to be irrigated 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](http://www.fao.org/fileadmin/user_upload/esag/docs/Interim_report_AT2050web.pdf), accessed in November 2012.