



REPUBLIC OF MOLDOVA  
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
Cereals	7.0				22	22	22	22	22				
Vegetables	3.5				11	11	11	11	11				
Potatoes	3.5				11	11	11	11	11				
Sugar beet	2.2			7	7	7	7	7	7				
Fruits	4.8	15	15	15	15	15	15	15	15	15	15	15	15
Pasture permanent	11.0	34	34	34	34	34	34	34	34	34	34	34	34
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>32.0</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>32.0</b>	<b>49</b>	<b>49</b>	<b>56</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>49</b>	<b>49</b>	<b>49</b>	<b>49</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>100</b>	* This area refers to the year 2011											
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>228.3</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>14</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>228.3</b>												

**Narrative**

AEI<sub>tot</sub> and AEI<sub>full</sub> are 228 300 ha in 2011 (NBS, 2012) and AAI<sub>full</sub> is 32 000 ha in 2007 (WB, 2008). The large drop in equipped area from the early 1990s (AEI<sub>full</sub> was 312 000 ha in 1992), as well as the significant equipped area unused, is due to the degradation of equipment (in particular pumping stations) and the farming restructuration process (equipment unfit for private farming). It is assumed that AHI<sub>full</sub> equals to AAI<sub>full</sub>. The crop calendar is based on the AQUASTAT county profile (FAO, 2012) and the neighbouring countries. The main irrigated crops are permanent pasture (34 percent, grasslands are considered permanent pastures), cereals (22 percent) and fruit (15 percent). Some potatoes, vegetables and sugar beet are also irrigated. Temporary crops are summer crops only, irrigated from March (sugar beet) or April to August. Permanent crops are assumed to be irrigated almost the whole year: for water deficit in summer and frost protection in winter/spring.

**References**

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

National Bureau of Statistics of the Republic of Moldova [NBS]. 2012. Available land by use. Available at <http://www.statistica.md/pageview.php?l=en&idc=315&id=2279>, accessed in June 2012.

World Bank [WB]. 2008. *Project paper on a proposed additional financing credit to the Republic of Moldova for the rural and investment services project II*. Washington D.C.