



**UKRAINE**

**Irrigated crop calendar**

**2003**

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	100				14	14	14	14	14				
Rice	21				3	3	3	3	3				
Vegetables	74				10	10	10	10	10				
Fruits	76	10	10	10	10	10	10	10	10	10	10	10	10
Sunflower	46				6	6	6	6	6				
Potatoes	59				8	8	8	8	8				
Pulses	52				7	7	7	7	7				
Sugar beet	22			3	3	3	3	3	3				
Fodder temporary	100	14	14	14	14							14	14
Fodder permanent	180	25	25	25	25	25	25	25	25	25	25	25	25
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>731</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>731</b>	<b>49</b>	<b>49</b>	<b>52</b>	<b>100</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>86</b>	<b>35</b>	<b>35</b>	<b>49</b>	<b>49</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>2 183</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>34</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>2 183</b>	* This area refers to the year 2005											



## Narrative Ukraine

$AEI_{tot}$  and  $AEI_{full}$  declined from 2 605 000 ha in 1992 (FAO, 2012) to 2 175 000 ha in 2010 (SSSU, 2011). But the decline is even more significant for  $AAI_{full}$ , from 2 291 600 ha in 1990 (Siebert *et al.*, 2010) to 731 400 ha in 2003 (Dirksen *et al.*, 2005). The crop calendar is adapted from AT 2030/2050 (FAO, 2006).  $AHI_{full}$  is assumed equal to  $AAI_{full}$ , resulting in a cropping intensity of 100 percent. The main irrigated crops are fodder (all grasslands are considered fodder either temporary or permanent), cereals (mainly maize), fruit and vegetables. Some potatoes, pulses, sunflower and sugar beet are also irrigated. Except fodder, all temporary crops are summer crops irrigated from March (sugar beet only) or April to August.

## References

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