



**MEXICO**

**Irrigated crop calendar**

**2009**

Calendar used in 2012 'Irrigation water use' study is downloadable in [PDF](#)

Irrigated crops	Area	Crop area as percentage of the full control actually irrigated area by month											
	1000 ha	J	F	M	A	M	J	J	A	S	O	N	D
Cereals 1	643	12	12	12	12	12						12	12
Cereals 2	2566						47	47	47	47	47		
Vegetables one	257			5	5	5	5						
Vegetables two	257							5	5	5	5		
Fruits	299	6	6	6	6	6	6	6	6	6	6	6	6
Citrus	182	3	3	3	3	3	3	3	3	3	3	3	3
Soybeans	77						1	1	1	1	1		
Sugarcane	258	5	5	5	5	5	5	5	5	5	5	5	5
Other temporary crops	62	1	1	1	1							1	1
Flowers	8	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cotton	158						3	3	3	3	3	3	3
Permanent fodder	1 200	22	22	22	22	22	22	22	22	22	22	22	22
<b>Harvested irrigated crop area [AHI<sub>full</sub>]</b>	<b>5 967</b>												
<b>Area equipped for full control irrigation actually irrigated [AAI<sub>full</sub>]</b>	<b>5 439</b>	<b>27</b>	<b>27</b>	<b>31</b>	<b>31</b>	<b>30</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>70</b>	<b>30</b>	<b>30</b>
<b>Cropping intensity (%) = 100 x [AHI<sub>full</sub>]/[AAI<sub>full</sub>]</b>	<b>110</b>												
<b>Area equipped for full control irrigation [AEI<sub>full</sub>]</b>	<b>6 460</b>												
<b>% of full control equipped actually irrigated = 100 x [AAI<sub>full</sub>]/[AEI<sub>full</sub>]</b>	<b>84</b>												
<b>Total area equipped for irrigation [AEI<sub>tot</sub>]</b>	<b>6 460</b>	AAI <sub>full</sub> refer to the year 2007											



## Narrative Mexico

$AEI_{tot}$  increased from 1 000 000 ha in the 1920s to 3 000 000 ha in 1961 and 6 460 000 in 2009 (CNA, 2011).  $AEI_{full}$  is assumed to be equal to  $AEI_{tot}$  and both  $AAI_{tot}$  and  $AAI_{full}$  are 5 439 600 ha in 2007 (CONAGUA, 2011a).  $AHI_{full}$  is calculated by adding information from "unidades de riego" (CONAGUA, 2008) y "distritos de riego" (CONAGUA, 2011b) and is equal to 5 966 875 ha, resulting in a cropping intensity of 110 percent. However, because this information is grouped by type of crops, it was assumed that "textile crops" are cotton, "oil crops" are soybean and "industrial crops" are sugarcane (although there is also some tobacco). For the cereals, the total area was divided into winter and summer crops based on AT 2050/2080 (FAO, 2011). The main irrigated crops are cereals, permanent fodder, vegetables, fruit (including citrus and bananas) and sugarcane. Some cotton, soybean and flowers are also irrigated. Temporary crops are irrigated from June to October, except vegetables (from March), cotton (to December), winter cereals and fodder (from November to April or May).

## References

**Comisión Nacional del Agua [CONAGUA].** 2008. Estadísticas agrícolas de las Unidades de Riego.

**Comisión Nacional del Agua [CONAGUA].** 2011a. Estadísticas del agua en México, edición 2011. Available at <http://www.conagua.gob.mx/CONAGUA07/Publicaciones/Publicaciones/SGP-1-11-EAM2011.pdf>, accessed in June 2012.

**Comisión Nacional del Agua [CONAGUA].** 2011b. Estadísticas agrícolas de los distritos de riego. Año agrícola 2009-2010

**FAO.** 2011. *World agriculture: towards 2050/2080*. FAO, Global Perspective Studies Unit. Rome. (Internal document).