



NEW ZEALAND

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
Wheat	29					6	6	6	6	6	6	6	
Other cereals	23	5	5	5	5								5
Vegetables	27	5	5	5	5								5
Fruits	21	4	4	4	4	4	4	4	4	4	4	4	4
Grapes	22	4	4	4	4	4	4	4	4	4	4	4	4
Fodder temporary	72					14	14	14	14	14	14		
Flowers	3	1	1	1	1	1	1	1	1	1	1	1	1
Pasture permanent	311	61	61	61	61	61	61	61	61	61	61	61	61
Harvested irrigated crop area [AHI_{full}]	509												
Area equipped for full control irrigation actually irrigated [AAI_{full}]	509	80	80	80	80	90	90	90	90	90	90	76	80
Cropping intensity (%) = 100 x [AHI_{full}]/[AAI_{full}]	100												
Area equipped for full control irrigation [AEI_{full}]	619												
% of full control equipped actually irrigated = 100 x [AAI_{full}]/[AEI_{full}]	82												
Total area equipped for irrigation [AEI_{tot}]													

Narrative

The 2007 national census provides an accurate description of the irrigated areas equipped for full control irrigation (619 300 ha) by farm type and crop, while AAI_{tot} is 509 000 ha (SNZ, 2009). It is assumed that both AAI_{full} and AHI_{full} equal to AAI_{tot}. The main irrigated crops are permanent pasture and temporary fodder, cereals (mainly wheat), vegetables, vineyards and fruits. Most temporary crops are irrigated during summer (from December to April or to June for cotton), except fodder and winter wheat.

References

Statistics New Zealand [SNZ]. 2009. 2007 Agricultural Census tables. Available at http://www.stats.govt.nz/methods_and_services/access-data/tables/2007-agricultural-census-tables.aspx, accessed in June 2012.