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## Monthly Weather Bulletin Autumn 2009

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The Weather of September, October and November

## WETTEST AUTUMN SINCE 2000 IN PLACES; WARMER, SUNNIER THAN NORMAL

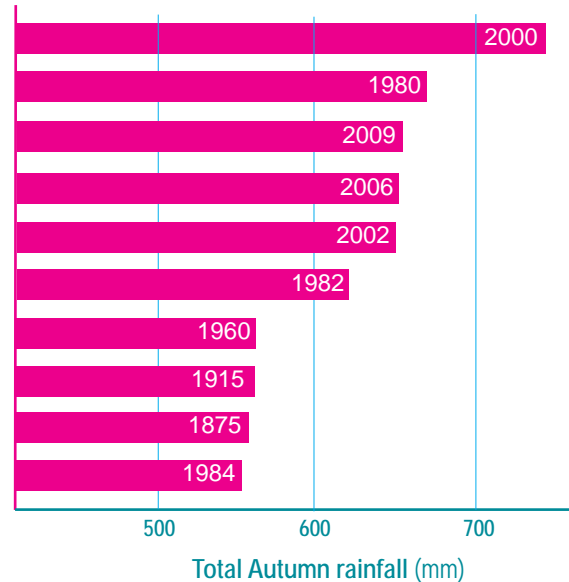
The very high rainfall totals for November brought autumn totals above normal almost everywhere, even though September was a dry month and totals for October were close to normal. Autumn totals were around 50% higher than normal at several stations and it was the wettest autumn for nine years in parts of Munster and Leinster; Valentia Observatory had its third wettest autumn in over a century of records (see chart right). The heaviest daily falls of the season almost everywhere were recorded between November 16th and 19th; the highest daily falls for autumn for 14 years were recorded at Malin Head and Cork Airport on the 16th and 19th respectively. The total number of raindays (days with 0.2mm or more rainfall) during the 3-month period was close to the normal range for autumn, however, with between 50 and 60 raindays at most stations.

Mean air temperatures for the season were close to a degree higher than average. September mean temperatures were close to normal, with few very warm days, but both October and November were mild. The season's highest temperatures were measured between September 12th and 14th in most places, but there were no maxima higher than 20°C at

several stations. The lowest temperatures were recorded during the last few days of the season, when frost became widespread. There was a total of between 16 and 21 ground frosts at most inland stations, close to the normal number for autumn.

Sunshine totals for the season were above normal except in some eastern areas. Both September and November were relatively sunny, but October was mainly dull. The highest daily values of the season were recorded between September 10th and 13th, when every station measured at least one day with over 11 hours of sunshine.

Years with highest autumn rainfall totals at Valentia Observatory (records since 1866)



County/ Station	RAINFALL (mm)			TEMPERATURE (°C)				SUNSHINE (HOURS)			NO. OF DAYS WITH:					
	Total	% of average	Most in a day amount date(s)	Mean	diff. from average	Extremes Highest Lowest	Daily mean	% of average	Most in a day amount date(s)	Rain	Snow	Air frost	Hail	Thunder	Fog	Gale gusts
CO. CARLOW Carlow (Oak Park)	381.2	170	32.1 19 Nov	10.9	+1.0	21.2 -0.5				51		3				9
CO. CAVAN Ballyhaise	361.8	137	43.3 19 Nov	10.3		20.5 -1.7				60		4				5
CO. CLARE Shannon Airport	399.9	147	26.7 19 Nov	11.7	+0.9	21.9 0.0	3.16	112	11.2 11 Sep	55	0	0	0	0	10	17
CO. CORK Cork Airport	461.6	132	51.2 19 Nov	10.9	+0.6	19.7 -0.3	3.45	113	11.5 10 Sep	55	0	1	0	0	22	22
Roche's Point	354.3	133	37.2 19 Nov	11.8	+0.9	18.5 1.8				51		0				31
CO. DONEGAL Malin Head	396.0	122	38.1 16 Nov	11.2	+0.7	17.9 0.4	2.69	106	11.6 12 Sep	66	0	0	8	2	0	45
CO. DUBLIN Dublin Airport	257.2		34.7 29 Nov	10.5		19.0 -0.9	3.32	102	11.6 12 Sep	50	0	5	0	0	6	25
Casement Aerodrome	300.5	145	30.9 29 Nov	10.7	+0.7	19.3 -1.3	2.99	95	11.7 13 Sep	46	0	2	3	2	4	20
CO. KERRY Valentia Observatory	651.7	155	50.4 19 Nov	12.3	+0.8	21.4 1.4	2.74	102	11.3 11 Sep	64	0	0	5	0	0	28
CO. MAYO Belmullet	365.0	105	23.2 16 Nov	11.6	+0.7	20.8 -0.3	2.95	106	11.9 13 Sep	66	0	1	12	2	2	40
Knock Airport	452.2		30.6 16 Nov	9.8		19.9 -2.6	2.67		11.8 12 Sep	68	0	2	4	0	36	21
CO. TIPPERARY Gurteen	353.1		24.8 1 Nov	10.5		19.7 -2.8				56		4				8
CO. WESTMEATH Mullingar	339.3	104	30.4 19 Nov	10.2	+0.9	19.8 -2.2				60		5				3
CO. WEXFORD Johnstown Castle	431.9	103	44.3 6 Oct	11.5	+1.1	19.2 1.1				53		0				10