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Monthly Weather Bulletin Summer 2010

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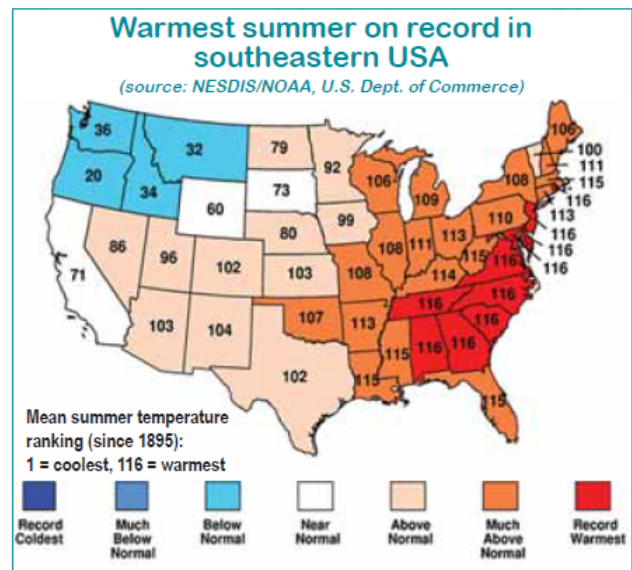
The Weather of June, July and August

WARM AND DRY FOR MOST OF SEASON; SUNNY EVERYWHERE

Mean air temperatures for the season were over half a degree higher than normal; both June and July were warmer than normal everywhere, but August was relatively cool. The season's highest temperatures at most stations were recorded during the second half of June, but there were few very warm days overall. Highest maxima for the 3-month period were only 20°C to 23°C in most western and southwestern areas, the lowest summer maxima for between eight and 16 years in these areas. There were only five days at Valentia Observatory when daily maximum temperature rose above 20°C compared with its average for summer of 12 days, but Dublin Airport's total of 24 such days was a little higher than normal. The season's lowest temperatures were measured during late August, when ground frost was recorded at some midland and eastern stations.

Rainfall totals were near normal everywhere, but it was unevenly distributed throughout the season. Both June and August were relatively dry, but totals for July were well above normal, especially in western areas. This latter month also brought the highest daily falls, particularly in the period July 7th to 10th. There were between 42 and 58 raindays during the 3-month period over most of the country (days with 0.2mm or more rainfall), close to the normal number for summer, but more than 60 raindays were observed in some western

and southwestern areas. Sunshine totals for the season were above normal everywhere, continuing the trend of sunny conditions so far during 2010. Both June and August were very sunny, but July was a dull month everywhere, especially in the southwest. Daily values of around 16 hours of sunshine were recorded in many places in the period June 19th to 21st; Valentia Observatory's daily value of 15.9 hours on June 20th was the highest at the station for at least 60 years. The Poulter index, a method of rating the summer weather based on mean temperature, rainfall and sunshine, was slightly higher than average at each of the long-term stations of Dublin (Phoenix Park), Valentia Observatory and Malin Head.



| 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) | 151.4 | 90 | 16.4 10 Jul | 15.5 | +0.9 | 24.2 | 3.3 | | | | 42 | 0 | | | | | 0 |
| CO. CAVAN Ballyhaise | 199.2 | 95 | 18.8 18 Aug | 14.8 | | 24.9 | 3.3 | | | | 53 | 0 | | | | | 1 |
| CO. CLARE Shannon Airport | 195.2 | 94 | 16.7 9 Jul | 15.8 | +0.8 | 23.4 | 4.4 | 5.42 | 109 | 15.8 20 Jun | 57 | 0 | 0 | 0 | 1 | 1 | 0 |
| CO. CORK Cork Airport | 199.8 | 88 | 24.6 10 Jul | 14.8 | +0.6 | 23.1 | 6.1 | 5.89 | 105 | 15.8 20 Jun | 51 | 0 | 0 | 0 | 1 | 23 | 3 |
| CO. DONEGAL Roche's Point | 219.1 | 117 | 28.4 10 Jul | 15.3 | +0.7 | 22.7 | 7.4 | | | | 42 | 0 | | | | | 4 |
| CO. DUBLIN Malin Head | 223.7 | 98 | 21.7 21 Jul | 14.4 | +1.0 | 22.0 | 7.8 | 5.05 | 106 | 13.7 10 Jun | 54 | 0 | 0 | 0 | 2 | 3 | 19 |
| CO. DUBLIN Dublin Airport | 166.0 | | 15.4 7 Jun | 14.9 | | 24.0 | 2.4 | 6.10 | 108 | 15.8 21 Jun | 41 | 0 | 0 | 0 | 1 | 6 | 4 |
| CO. DUBLIN Casement Aerodrome | 156.9 | 91 | 16.0 16 Jul | 15.1 | +0.8 | 23.8 | 2.2 | 5.38 | 104 | 16.0 20 Jun | 44 | 0 | 0 | 0 | 2 | 4 | 4 |
| CO. KERRY Valentia Observatory | 282.8 | 109 | 37.6 30 Jun | 15.1 | +0.7 | 20.7 | 6.3 | 5.09 | 102 | 15.9 20 Jun | 62 | 0 | 0 | 0 | 2 | 4 | 4 |
| CO. MAYO Belmullet | 246.8 | 107 | 31.2 10 Jul | 14.7 | +0.9 | 20.7 | 5.6 | 5.36 | 104 | 13.9 20 Jun | 71 | 0 | 0 | 0 | 2 | 4 | 11 |
| CO. TIPPERARY Knock Airport | 301.1 | | 46.1 10 Jul | 13.7 | | 21.9 | 5.8 | 4.83 | | 15.3 19 Jun | 67 | 0 | 0 | 0 | 1 | 22 | 8 |
| CO. WESTMEATH Gurteen | 180.5 | | 16.2 10 Jul | 14.8 | | 23.9 | 0.6 | | | | 50 | 0 | | | | | 1 |
| CO. WEXFORD Mullingar | 242.6 | 116 | 23.7 15 Jul | 14.8 | +0.8 | 24.8 | 3.9 | | | | 58 | 0 | | | | | 0 |
| CO. WEXFORD Johnstown Castle | 204.2 | 102 | 31.4 15 Jul | 15.2 | +1.0 | 23.9 | 7.2 | | | | 37 | 0 | | | | | 0 |