

## METEOROLOGICAL OFFICE

### ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN

AT 0900 GMT ON 29 JUNE 1977

Between the issue of the previous bulletin (15 June 1977) and 19 June the weather over the Southern part of Britain was unsettled although remaining mainly dry over Northern areas. From the 20th to 23rd all areas were dry but from the 24th to the 28th the weather became unsettled again in most places with local heavy rain over North Wales and the North of Scotland on the 28th. The wettest day generally was the 27 June. The largest rainfalls (those of 15 mm and above) occurred at Scilly (25 mm) on the 16th, Kinloss (21 mm) on the 24th, Valley (21 mm) on the 27th and Wittering (18 mm) on the 28th.

During the period 15th to 29th June deficits generally increased but there was a decrease during the period 22nd to 29th in the mountain area of Gwynedd, North West Wales. Over most areas the composite land use deficits were a little below average but over 30 mm below average over Hampshire, Avon and Dorset. Composite land use deficits were a little above average in the extreme North of England and West Wales. The largest deficits are at Chapel St Leonards, Lincolnshire and Benbecula, Outer Hebrides (both 111 mm and 96 mm respectively for short rooted and composite land uses).

RATES OF SUBSCRIPTION: £10.00 per season (post free)

Apply to: Director-General  
Meteorological Office, Met O 8c  
London Road  
Bracknell  
Berkshire, RG12 2SZ

Issued 30 June 1977





# ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)

AT 09 GMT ON 29 JUNE 1977

River Area	Estimated Areal S.M.D. MM	Change during the Week Ending 09 GMT on 29 JUNE 77 MM	22 JUNE 77 MM
Northumbrian	62.4	+ 15.3	+ 13.1
Yorkshire	44.1	+ 5.6	+ 7.4
Trent	53.1	+ 6.0	+ 10.1
Lincolnshire	79.8	+ 6.8	+ 7.0
Welland and Nene	65.9	+ 3.3	+ 8.5
Great Ouse	64.6	+ 8.4	+ 7.4
Norfolk and Suffolk	85.6	+ 5.0	+ 3.8
Essex	80.2	+ 11.0	+ 2.8
Lee Division	68.9	+ 8.5	+ 2.3
Thames Conservancy	49.9	+ 10.0	+ 8.0
London Area	59.5	+ 16.0	+ 1.4
Kent	66.9	+ 13.9	+ 4.6
Sussex	61.8	+ 13.4	+ 6.6
Hampshire	40.9	+ 8.7	+ 7.7
Isle of Wight	80.9	+ 13.0	+ 5.2
Avon and Dorset	30.6	+ 9.7	+ 4.1
Devon	43.1	+ 8.9	+ 2.3
Cornwall	36.1	+ 5.4	+ 0.6
Somerset	40.2	+ 9.0	+ 3.9
Bristol Avon	41.0	+ 9.5	+ 9.5
Severn	37.4	+ 4.4	+ 11.1
Wye	31.9	+ 8.0	+ 10.4
Usk	29.8	+ 8.3	+ 9.5
Glamorgan	43.7	+ 10.5	+ 9.9
South West Wales	48.7	+ 9.6	+ 15.6
Gwynedd	42.2	- 2.5	+ 16.0
Dee and Clwyd	43.1	+ 1.5	+ 15.9
Mersey and Weaver	41.8	+ 7.9	+ 14.5
Lancashire	46.1	+ 9.3	+ 15.6
Cumbria	67.0	+ 17.3	+ 18.5

NB Apart from normal changes these differences also reflect retrospective adjustments after receipt of additional data.



ESTIMATED SOIL MOISTURE DEFICIT

0900 GMT 29 June 1977

Areas with no soil moisture deficit are shaded. Remaining areas bounded by 0, 12, 25, 50, 75 and 100 mm lines  
SHORT ROOTED VEGETATION





