



METEOROLOGICAL OFFICE

ESTIMATED SOIL MOISTURE DEFICIT AND POTENTIAL
EVAPOTRANSPIRATION OVER GREAT BRITAIN

SOIL MOISTURE DEFICIT AT 0900 GMT 19 NOVEMBER 1975

From 5 to 14 November, Great Britain experienced a relatively dry period with only small amounts of rain falling, mainly on the 5th, 9th and 10th. An isolated larger fall of 18mm, however, was reported at Machrihanish on 11th. From 14th to 18th, there was widespread rainfall except over western England, Wales and southern Scotland on 17th. Snow was reported in parts of Scotland on 16th. The largest reported falls were at Valley in Anglesey (10 mm) on 14th, Wick (30 mm) on 15th, Culdrose (21 mm) on 16th, Coltishall (25 mm) on 17th and at Cape Wrath (29 mm) on 18th.

Over the whole of Great Britain, deficits have been reduced since the last issue and more upland areas in the west of Britain have been brought to field capacity. Calculated composite deficits of over 100 mm still exist in parts of Lincolnshire (the largest value being 107 mm at Brigg in Humberside). Composite deficits are well above average for mid-November in parts of the Midlands, Lincolnshire and eastern Yorkshire.

RATES OF SUBSCRIPTION: £7.50 per season (post free)

Apply to:

Director-General
Meteorological Office, Met O 8
London Rd
Bracknell
Berkshire
RG12 2SZ

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ESTIMATED SOIL MOISTURE DEFICIT (S.M.D.)
AT 09 GMT ON 19 NOV 1975

River Area	Estimated Areal	Change during the week ending 09 GMT on	
	S.M.D. mm	19 Nov 75 mm	12 Nov 75 mm
Northumbrian	22.6	- 7.5	- 1.3
Yorkshire	58.9	- 9.8	- 3.6
Trent	77.5	- 14.0	- 5.7
Lincolnshire	100.6	- 12.7	- 4.5
Welland and Nene	92.4	- 11.5	- 3.0
Great Ouse	75.4	- 18.0	- 1.9
Norfolk and Suffolk	41.4	- 38.9	- 4.8
Essex	50.9	- 20.5	- 2.4
Lee Division	47.1	- 17.2	- 0.7
Thames Conservancy	60.8	- 11.0	- 0.3
London Area	29.0	- 12.0	+ 0.8
Kent	17.9	- 12.1	- 1.3
Sussex	23.4	- 10.7	- 0.3
Hampshire	36.2	- 11.9	+ 0.5
Isle of Wight	49.2	- 16.5	+ 1.2
Avon and Dorset	51.6	- 12.5	- 1.1
Devon	29.4	- 7.1	- 1.8
Cornwall	5.7	- 5.0	- 0.8
Somerset	46.6	- 11.0	- 1.8
Bristol Avon	64.8	- 10.5	- 2.6
Severn	72.3	- 11.7	- 4.3
Wye	36.7	- 12.7	- 7.7
Usk	13.2	- 6.7	- 5.1
Glamorgan	11.1	- 4.8	- 1.9
South West Wales	6.8	- 5.3	- 3.1
Gwynedd	17.0	- 6.4	- 3.7
Dee and Clwyd	27.0	- 8.8	- 2.0
Mersey and Weaver	38.2	- 12.1	- 3.3
Lancashire	4.6	- 1.9	- 0.9
Cumbria	0.7	- 0.6	- 0.2

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



