



METEOROLOGICAL OFFICE  
ESTIMATED SOIL MOISTURE DEFICIT OVER GREAT BRITAIN  
AT 0900 GMT on 13 OCTOBER 1976

The unsettled weather has continued since the issue of the last Soil Moisture Deficit Bulletin (29th September 1976) with the only generally dry days being 7th and 9th October over England and Wales and 4th and 8th over Scotland. Some of the rain during the first week was thundery, with the wettest days being 30th September and 3rd and 5th October. Already this month most parts of England and Wales have had more than 50% of the average rainfall for October, with some places having exceeded their October average. The largest falls of rain reported were at Dyce (33 mm) on 29th September, Plymouth (33 mm) on the 30th and Leconfield (44 mm) on 1st October.

Deficits have again been reduced nationwide with almost all upland areas now being at field capacity. Over most of England and Wales composite land use deficits are now about average for the time of year or in certain areas closer to field capacity. The largest deficits are at Cambridge (87 and 105 mm respectively over short rooted and composite land uses).

RATES OF SUBSCRIPTION: £9.00 per season (post free)

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

AT 09 GMT ON 13 OCTOBER 1976

River Area	Estimated Areal	Change during the Week Ending 09 GMT on	
	S.M.D. MM	13 October 1976 MM	6 October 1976 MM
Northumbrian	18.5	- 1.3	- 15.9
Yorkshire	17.7	- 2.3	- 21.4
Trent	36.7	- 6.0	- 19.5
Lincolnshire	47.2	- 7.7	- 27.8
Welland and Nene	50.5	- 4.2	- 20.2
Great Ouse	61.8	- 3.9	- 21.7
Norfolk and Suffolk	45.7	- 6.5	- 25.6
Essex	83.3	- 6.7	- 20.1
Lee Division	66.8	- 6.8	- 25.1
Thames Conservancy	36.9	- 4.7	- 27.3
London Area	60.1	- 0.2	- 33.0
Kent	40.4	- 3.9	- 27.2
Sussex	23.8	- 9.6	- 29.5
Hampshire	19.5	- 5.9	- 38.6
Isle of Wight	26.6	- 8.8	- 43.2
Avon and Dorset	17.5	- 9.2	- 33.6
Devon	10.6	- 17.4	- 33.3
Cornwall	7.4	- 10.9	- 25.8
Somerset	11.6	- 15.8	- 30.3
Bristol Avon	22.1	- 10.0	- 19.1
Severn	17.4	- 7.7	- 8.1
Wye	5.1	- 9.9	- 9.6
Urk	2.9	- 6.1	- 10.0
Glamorgan	10.6	- 2.0	- 10.1
South West Wales	8.4	- 1.5	- 14.9
Gwynedd	6.3	- 5.1	- 7.6
Dee and Clwyd	9.8	- 4.7	- 6.6
Mersey and Weaver	12.7	- 3.8	- 11.3
Lancashire	5.3	+ 3.6	- 7.0
Cumbrian	8.2	- 4.6	- 13.7

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







