

METEOROLOGICAL SERVICE



AGROMETEOROLOGICAL BULLETIN

APRIL 1977

Weather in April

The first week was cold with scattered showers, some of hail or snow. During the second week only 12th was mild and weak rainbelts crossed the country from time to time. Westerly or northwesterly winds prevailed during the first fortnight; consequently rainfall amounts were highest in Ulster and north Connaught. In the tillage areas of the south and east rainfall totals ranged from 10 to 15 mm in most parts but less than 2 mm was recorded at Roche's Point between 1st and 14th. Between 9th and 17th most of the tillage areas had six mainly dry days. In the first half of the month conditions here were favourable for fieldwork.

In the second half the bulk of the month's rain fell and conditions were much less suitable for tillage. Winds were between southwest and west and temperatures were higher than in the early part of April. From 19th to 25th mean air temperatures were above normal and grass growth improved noticeably as soil temperatures rose to their normal values. However the month ended, as it began, cold with sun and wintry-type showers. Soil temperatures fell about 2° C below normal.

Mean Monthly Rainfall amounts were above normal except in parts of the south and east. Totals ranged from 50% to 60% of normal in parts of the south but were about 150% of normal over much of the northwest, west and midlands. Wettest days were 18th and 27th. Hail or snow showers fell between 1st and 3rd, on 7th, 23rd, 26th and from 28th to 30th. Thunder was reported on 23rd, 28th and 29th.

Mean Monthly Air Temperatures ranged from 0.7° C to 1.1° C below normal. Ten-cm. soil temperatures were from 0.8° C to 1.6° C below normal. Growing conditions were poor. Air frost affected some areas on 3rd, 4th, 8th, 15th. The most serious air frosts occurred on 4th, 8th and 15th when between 5° C and 8° C of ground frost were recorded. Ground frost was also widespread during the period 27th to 30th.

Strong Winds occurred on 1st, 3rd, 22nd, 23rd, 25th and 27th. The accompanying gusts ranged from 33 to 55 kts with some gusts to 60 kts in the northwest.

Monthly Totals of Bright Sunshine ranged from 80% to 95% of normal generally but reached 100% in a few places. Totals ranged from 161 hours at Dublin Airport to 114 hours at Claremorris.

Summary. April was cold and blustery. Rainfall amounts were above normal except in parts of the south and east.

The data contained in this Bulletin are provisional. Some of the material in Table 1 will be published in its final form later in the Monthly Weather Report; final values of Solar Radiation at stations; marked "e" in Table 2 will be published in the Annual Summary of Solar Radiation.

TABLE 1.

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

APRIL, 1977

STATION	PERIOD	RAINFALL				TEMPERATURE											BRIGHT SUNSHINE		WIND		
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)			Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts	
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Abr Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost	Mean Daily					Difference from Average
mm	%	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Hr	%	Kt				
Carlow (Oak Park) Co. Carlow	1-10	17.9	-	6	4	5.6	-	-2.6	08	4	17	0	-6.5	02	6	-	-	4.78	-	8	-
	11-20	28.0	-	7	5	8.2	-	-1.3	15	1	38	3	-5.5	15	3	-	-	3.34	-	8	-
	21-end	21.0	-	9	5	9.1	-	1.7	27	0	47	6	-2.2	27	2	-	-	6.46	-	11	-
	Month	66.9	-	22	14	7.6	-	-2.6	08	5	102	9	-6.5	02	11	-	-	4.86	-	9	-
Shannon Airport Co. Clare	1-10	10.2	-	7	4	6.4	-	-0.7	08	2	21	0	-4.4	08	6	7.6	-	4.47	-	NA	1
	11-20	22.3	-	7	6	9.6	-	2.6	15	0	52	5	-0.6	15	1	10.0	-	3.06	-	NA	3
	21-end	40.4	-	10	7	9.2	-	1.8	28	0	48	5	0.0	30	0	10.2	-	6.12	-	NA	3
	Month	72.9	138	24	17	8.4	-0.7	-0.7	08	2	121	10	-4.4	08	7	9.3	-0.5	4.55	89	NA	7
Fermoy (Moore Park) Co. Cork	1-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-end	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Month	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mallow Co. Cork	1-10	8.8	-	6	4	6.2	-	-2.8	08	4	21	0	-6.2	08	6	-	-	3.98	-	-	-
	11-20	6.0	-	5	2	9.4	-	-0.1	15	1	50	4	-1.8	15	2	-	-	2.45	-	-	-
	21-end	42.3	-	10	10	8.8	-	1.0	30	0	45	6	0.3	30	0	-	-	4.76	-	-	-
	Month	57.1	102	21	16	8.1	-	-2.8	08	5	116	10	-6.2	08	8	-	-	3.73	-	-	-
Roche's Point Co. Cork	1-10	1.9	-	3	1	6.5	-	0.2	08	0	21	0	-1.5	08	4	7.2	-	4.85	-	15	5
	11-20	5.0	-	3	2	9.5	-	3.6	15	0	52	4	-0.4	15	1	10.1	-	3.97	-	12	1
	21-end	23.2	-	9	5	8.7	-	2.8	28	0	43	3	0.9	27	0	9.7	-	6.13	-	18	7
	Month	30.1	58	15	8	8.3	-0.7	0.2	08	0	116	7	-1.5	08	5	9.0	-1.2	4.98	93	15	13
Glencolumbkille Co. Donegal	1-10	29.7	-	10	8	5.7	-	0.0	09	0	15	0	-4.0	09	6	-	-	3.99	-	9	-
	11-20	27.7	-	7	5	7.7	-	1.5	15	0	34	0	-3.2	15	1	-	-	3.41	-	8	-
	21-end	62.5	-	10	10	7.7	-	2.8	28	0	34	0	-1.5	28	1	-	-	5.26	-	10	-
	Month	119.9	-	27	23	7.1	-	0.0	09	0	83	0	-4.0	09	8	-	-	4.22	-	9	-
Glenties Co. Donegal	1-10	33.2	-	10	9	5.0	-	-2.5	09	4	9	0	-5.2	10	7	-	-	3.68	-	-	-
	11-20	28.3	-	7	6	7.6	-	-1.5	15	1	32	0	-4.7	15	1	-	-	3.47	-	-	-
	21-end	61.0	-	10	10	7.6	-	-0.2	30	1	32	0	-1.3	30	2	-	-	4.88	-	-	-
	Month	122.5	148	27	25	6.7	-	-2.5	09	6	73	0	-5.2	10	10	-	-	4.01	-	-	-

See January issue of Bulletin for explanatory notes on the tables.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

APRIL, 1977

STATION	PERIOD	RAINFALL				TEMPERATURE											BRIGHT SUNSHINE		WIND		
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)			Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts	
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost	Mean Daily					Difference from Average
Malin Head Co. Donegal	1-10	19.5	-	10	7	5.8	-	0.8	07	0	16	0	-2.5	09	2	6.7	-	3.66	-	18	6
	11-20	25.5	-	8	4	7.6	-	2.0	15	0	32	0	-0.8	15	1	8.3	-	2.69	-	13	3
	21-end	43.3	-	10	8	8.0	-	3.1	28	0	36	1	0.9	28	0	9.2	-	6.16	-	18	9
	Month	88.3	147	28	19	7.1	-0.9	0.8	07	0	84	1	-2.5	09	3	8.0	-0.8	4.17	81	16	18
Dublin Airport Co. Dublin	1-10	12.9	-	8	3	5.3	-	-1.8	08	3	13	0	-4.5	04	6	6.6	-	5.17	-	12	3
	11-20	10.4	-	5	4	8.2	-	0.1	15	0	38	5	-1.5	18	3	8.9	-	3.56	-	11	2
	21-end	19.7	-	9	6	8.7	-	1.6	28	0	43	5	+0.9	30	0	9.6	-	7.35	-	15	4
	Month	43.0	96	22	13	7.4	-0.8	-1.8	08	3	94	10	-4.5	04	9	8.4	-0.9	5.36	100	13	9
Kinsealy Co. Dublin	1-10	11.4	-	7	3	5.5	-	-1.2	08	3	15	0	-3.7	08	6	-	-	5.10	-	9	-
	11-20	9.9	-	5	3	7.9	-	-0.4	15	1	36	4	-2.5	15	3	-	-	3.90	-	9	-
	21-end	20.6	-	9	6	9.2	-	1.3	28	0	49	6	0.5	30	0	-	-	7.45	-	13	-
	Month	41.9	-	21	12	7.5	-	-1.2	08	4	100	10	-3.7	08	9	-	-	5.48	-	10	-
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	9.7	-	5	4	5.4	-	-2.7	08	3	14	0	-6.2	08	5	-	-	NA	-	8	-
	11-20	17.3	-	6	5	7.8	-	-0.8	15	2	34	3	-4.6	15	2	-	-	NA	-	7	-
	21-end	31.5	-	8	7	8.8	-	1.8	30	0	44	6	-0.1	30	1	-	-	6.01	-	9	-
	Month	58.5	-	19	16	7.3	-	-2.7	08	5	92	9	-6.2	08	8	-	-	NA	-	8	-
Galway (Univ. Coll.) Co. Galway	1-10	7.0	-	7	2	6.6	-	0.5	03	0	22	0	-5.2	08	7	-	-	4.93	-	-	-
	11-20	39.6	-	8	6	8.7	-	1.0	15	0	43	1	-7.8	15	2	-	-	2.34	-	NA	-
	21-end	71.6	-	10	10	8.2	-	2.0	28	0	38	1	-2.5	28	4	-	-	6.28	-	-	-
	Month	118.2	-	25	18	7.8	-	0.5	03	0	103	2	-7.8	15	13	-	-	4.52	-	-	-
Killarney (Nuckross Hse) Co. Kerry	1-10	13.3	-	8	6	5.6	-	-1.4	04	4	15	0	-6.7	04	6	-	-	3.30	-	-	-
	11-20	10.8	-	7	4	9.2	-	1.8	15	0	48	1	-1.7	15	1	-	-	2.04	-	-	-
	21-end	56.8	-	9	9	8.5	-	2.0	28	0	41	3	-0.8	28	1	-	-	5.42	-	-	-
	Month	80.9	-	24	19	7.8	-	-1.4	04	4	104	4	-6.7	04	8	-	-	3.59	-	-	-
Cahiroiveen (Valentia Obsy.) Co. Kerry	1-10	6.0	-	8	2	7.0	-	0.8	08	0	26	0	-0.8	08	1	8.1	-	4.91	-	13	3
	11-20	23.3	-	5	4	9.5	-	5.8	15	0	51	1	4.4	15	0	10.3	-	2.19	-	10	0
	21-end	49.8	-	10	10	9.0	-	4.1	30	0	46	3	1.5	30	0	10.0	-	5.77	-	15	6
	Month	79.1	106	23	16	8.5	-0.9	0.8	08	0	123	4	-0.8	08	1	9.5	-1.0	4.29	83	13	9

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

APRIL, 1977

STATION	PERIOD	RAINFALL				TEMPERATURE										BRIGHT SUNSHINE		WIND			
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
Tralee (Caherweesheen) Co. Kerry	1-10	9.7	-	6	2	5.9	-	-2.2	04	3	17	0	-6.6	04	6	-	-	4.35	-	-	-
	11-20	9.8	-	6	4	10.0	-	3.0	15	0	56	8	0.2	15	0	-	-	2.48	-	-	-
	21-end	52.6	-	9	7	9.1	-	2.4	28	0	47	6	-1.1	28	3	-	-	5.81	-	-	-
	Month	72.1	-	21	13	8.3	-	-2.2	04	3	120	14	-6.6	04	9	-	-	4.21	-	-	-
Lullymore Co. Kildare	1-10	21.3	-	7	2	4.8	-	-3.1	08	4	10	0	-7.5	08	6	-	-	4.50	-	11	-
	11-20	19.2	-	7	5	7.2	-	-2.3	15	2	30	2	-7.8	18	3	-	-	3.22	-	10	-
	21-end	33.2	-	9	7	8.2	-	0.4	30	0	38	4	-1.5	30	4	-	-	6.38	-	14	-
	Month	73.7	-	23	14	6.7	-	-3.1	08	6	78	6	-7.8	18	13	-	-	4.70	-	12	-
Kilkenny Co. Kilkenny	1-10	7.6	-	5	2	5.8	-	-2.2	08	3	16	0	-5.4	08	6	6.2	-	5.06	-	8	1
	11-20	26.6	-	6	4	8.4	-	-1.4	15	1	41	5	-6.7	15	3	9.1	-	2.93	-	6	1
	21-end	24.3	-	9	7	8.7	-	1.6	28	0	43	5	-0.9	27	3	9.7	-	5.92	-	9	2
	Month	58.5	120	20	13	7.6	-0.9	-2.2	08	4	100	10	-6.7	15	12	8.3	-1.2	4.64	92	8	4
Mooncoin (Silverspring) Co. Kilkenny	1-10	9.7	-	7	4	6.1	-	-1.7	08	2	19	0	-7.5	08	6	-	-	5.19	-	-	-
	11-20	16.1	-	5	5	8.9	-	-0.2	15	1	45	5	-6.5	15	4	-	-	3.35	-	-	-
	21-end	29.1	-	9	6	9.2	-	0.8	27	0	48	7	-6.1	30	4	-	-	5.58	-	-	-
	Month	54.9	-	21	15	8.0	-	-1.7	08	3	112	12	-7.5	08	14	-	-	4.71	-	-	-
Ballinamore Co. Leitrim	1-10	15.9	-	7	5	5.5	-	-1.2	08	3	13	0	-5.5	08	7	-	-	5.34	-	9	-
	11-20	23.5	-	7	6	7.5	-	-0.4	15	1	31	0	-4.9	15	4	-	-	2.66	-	7	-
	21-end	49.2	-	10	8	7.9	-	1.3	28	0	35	2	-2.9	26	7	-	-	5.20	-	9	-
	Month	88.6	-	24	19	7.0	-	-1.2	08	4	79	2	-5.5	08	18	-	-	4.40	-	8	-
Ardee (Beharnamoe) Co. Louth	1-10	10.6	-	6	2	5.3	-	-2.4	08	4	13	0	-6.8	08	7	-	-	-	-	-	-
	11-20	5.8	-	6	3	7.7	-	-2.4	15	2	33	2	-5.8	15	2	-	-	-	-	-	-
	21-end	40.4	-	10	8	8.2	-	0.9	28	0	38	4	-0.5	28	1	-	-	-	-	-	-
	Month	56.8	-	22	13	7.1	-	-2.4	15	6	84	6	-6.8	08	10	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	13.0	-	9	4	6.2	-	-1.7	08	3	19	0	-6.2	08	5	-	-	4.65	-	7	-
	11-20	37.6	-	9	7	8.4	-	-0.9	15	1	41	0	-4.6	15	2	-	-	2.07	-	7	-
	21-end	63.8	-	10	10	8.4	-	2.1	28	0	40	2	-0.6	28	2	-	-	5.96	-	8	-
	Month	114.4	-	28	21	7.7	-	-1.7	08	4	100	2	-6.2	08	9	-	-	4.23	-	7	-

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

APRIL, 1977

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		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
mm	%	°C	°C	°C						°C		°C	°C	Hr	%	Kt					
Belmullet Co. Mayo	1-10	16.5	-	9	6	6.4	-	1.0	09	0	20	0	-2.6	09	2	7.5	-	3.89	-	15	6
	11-20	19.7	-	8	5	8.4	-	1.2	15	0	40	0	-1.5	15	1	9.3	-	3.25	-	13	4
	21-end	31.9	-	10	8	8.3	-	3.4	28	0	40	1	+1.6	28	0	9.5	-	6.01	-	19	9
	Month	68.1	105	27	19	7.7	-1.0	1.0	09	0	100	1	-2.6	09	3	8.8	-0.8	4.38	81	16	19
Claremorris Co. Mayo	1-10	14.6	-	9	6	5.1	-	-1.1	08	3	9	0	-4.6	04	6	5.9	-	3.91	-	9	4
	11-20	27.7	-	9	7	8.2	-	-1.8	15	1	38	2	-5.7	15	2	8.6	-	2.30	-	8	2
	21-end	60.6	-	10	9	7.7	-	0.6	28	0	33	1	-2.8	28	5	8.7	-	5.14	-	12	6
	Month	102.9	165	28	22	7.0	-1.1	-1.8	15	4	80	3	-5.7	15	13	7.7	-1.1	3.78	79	10	12
Glenties Co. Mayo	1-10	18.5	-	9	7	6.0	-	-0.5	09	2	17	0	-2.1	09	4	-	-	3.68	-	-	-
	11-20	28.6	-	8	7	8.1	-	-2.0	15	1	37	0	-4.0	15	1	-	-	3.05	-	NA	-
	21-end	53.6	-	10	10	8.1	-	1.4	28	0	38	1	-0.1	28	1	-	-	5.81	-	NA	-
	Month	100.7	-	27	24	7.4	-	-2.0	15	3	92	1	-4.0	15	6	-	-	4.18	-	-	-
Dunsany (Grange) Co. Meath	1-10	16.7	-	8	6		-									-	-	4.48	-	-	-
	11-20	18.6	-	7	6		-									-	-	3.44	-	-	-
	21-end	NA	-	NA	NA	NA	-	NOT		AVAILABLE						-	-	NA	-	NA	-
	Month	-	-	-	-		-									-	-	-	-	-	-
Clones Co. Monaghan	1-10	15.1	-	8	4	5.0	-	-1.5	08	3	9	0	-4.5	09	5	6.0	-	5.07	-	12	6
	11-20	15.6	-	8	4	7.7	-	0.2	15	0	33	1	-4.0	15	1	8.2	-	3.67	-	9	3
	21-end	40.0	-	10	8	7.8	-	1.0	28	0	35	1	-1.3	28	3	8.8	-	5.40	-	13	7
	Month	70.7	138	26	16	6.8	-1.1	-1.5	08	3	77	2	-4.5	09	9	7.6	-1.2	4.71	103	11	16
Birr Co. Offaly	1-10	8.9	-	5	3	5.5	-	-2.5	04	3	14	0	-6.5	04	6	6.9	-	4.13	-	10	2
	11-20	24.4	-	6	5	8.3	-	-2.0	15	1	39	5	-4.7	15	2	9.1	-	2.68	-	9	2
	21-end	39.1	-	10	9	8.4	-	0.7	28	0	40	3	-1.7	28	3	9.7	-	5.69	-	12	7
	Month	72.4	150	21	17	7.4	-1.0	-2.5	04	4	93	8	-6.5	04	11	8.6	-0.8	4.17	83	10	11
Thurles Co. Tipperary	1-10	7.2	-	5	3		-									-	-	4.54	-	-	-
	11-20	15.8	-	6	5		-									-	-	3.17	-	-	-
	21-end	32.1	-	9	7	NA	-	NOT		AVAILABLE						-	-	6.06	-	-	-
	Month	55.1	102	20	15		-									-	-	4.59	-	-	-

*Rainfall March 1977 to read:- 1-10, 21.9, 6, 5; 11-20, 20.1, 9, 4; 21-end, 30.7, 6, 5; Month, 72.7, 122, 21, 14.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

APRIL, 1977

STATION	PERIOD	RAINFALL				TEMPERATURE										BRIGHT SUNSHINE		WIND			
		Amount	Percentage of Average	No. of Rain Days	No. of Wet Days	AIR					GROUND			SOIL (10 cm)		Mean Daily	Percentage of Average	Mean Speed	No. of Days with Gale Gusts		
						Mean Daily	Difference from Average	Lowest Minimum	Day	No. of Days with Air Frost	Degree Days Above 4.4°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
mm	%	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Hr	%	Kt					
Dungarvan (Ballygagin) Co. Waterford	1-10	8.8	-	5	2	6.7	-	-1.5	08	1	24	0	-6.0	08	7	-	-	5.11	-	4	-
	11-20	8.9	-	6	3	9.6	-	0.6	15	0	52	6	-3.5	15	2	-	-	3.45	-	5	-
	21-end	38.5	-	9	7	9.0	-	1.5	30	0	46	5	-1.1	27	3	-	-	6.70	-	7	-
	Month	56.2	-	20	12	8.4	-	-1.5	08	1	122	11	-6.0	08	12	-	-	5.09	-	5	-
Mullinger Co. Westmeath	1-10	12.5	-	9	6	5.1	-	-1.8	08	3	10	0	-4.8	04	7	5.9	-	4.57	-	10	3
	11-20	28.8	-	8	7	7.8	-	0.4	15	0	34	3	-2.9	18	2	8.2	-	3.05	-	9	2
	21-end	51.5	-	10	7	7.9	-	1.3	28	0	36	2	-0.1	28	1	8.9	-	5.80	-	13	6
	Month	92.8	168	27	20	6.9	-1.3	-1.8	08	3	80	5	-4.8	04	10	7.7	-1.2	4.47	89	11	11
Campile (Ballysop) Co. Wexford	1-10	15.9	-	5	2	5.9	-	-2.0	08	2	17	0	-5.4	03	7	-	-	5.59	-	-	-
	11-20	15.2	-	5	4	8.4	-	0.4	15	0	41	2	-4.0	15	4	-	-	2.96	-	NA	-
	21-end	26.6	-	9	7	8.4	-	0.9	30	0	40	2	-3.9	30	6	-	-	5.13	-	-	-
	Month	57.7	-	19	13	7.6	-	-2.0	08	2	98	4	-5.4	03	17	-	-	4.56	-	-	-
Clonroche Co. Wexford	1-10	16.6	-	7	3	5.4	-	-2.2	08	4	14	0	-7.8	08	6	-	-	5.34	-	6	-
	11-20	29.7	-	6	5	7.7	-	-1.1	15	2	33	2	-6.7	15	5	-	-	2.89	-	5	-
	21-end	26.3	-	9	8	8.2	-	1.6	27	0	39	3	-1.7	30	5	-	-	6.05	-	8	-
	Month	72.6	-	22	16	7.1	-	-2.2	08	6	86	5	-7.8	08	16	-	-	4.76	-	6	-
Johnstown Castle Co. Wexford	1-10	8.9	-	6	2	5.9	-	-1.2	08	2	17	0	-5.5	03	6	-	-	5.73	-	7	-
	11-20	20.1	-	7	3	8.3	-	1.5	15	0	39	2	-3.5	16	4	-	-	3.30	-	8	-
	21-end	35.9	-	10	9	8.1	-	1.0	30	0	38	0	-3.6	30	3	-	-	5.98	-	10	-
	Month	64.9	113	23	14	7.4	-	-1.2	08	2	94	2	-5.5	03	13	-	-	5.00	-	8	-
Rosslare Co. Wexford	1-10	11.8	-	5	4	6.2	-	-0.5	03	1	19	0	-2.4	03	4	6.9	-	5.40	-	13	4
	11-20	17.3	-	5	3	8.6	-	2.3	15	0	43	3	-1.4	18	2	9.4	-	3.84	-	11	1
	21-end	31.7	-	9	9	8.6	-	2.2	30	0	42	2	-0.1	30	1	9.6	-	6.00	-	14	6
	Month	60.8	126	19	16	7.8	-1.1	-0.5	03	1	104	5	-2.4	03	7	8.6	-1.6	5.08	86	13	11

See January issue of Bulletin for explanatory notes on the tables.

TABLE 2. SOLAR RADIATION (GLOBAL), POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE APRIL, 1977

STATION	PERIOD	SOLAR RADIATION	P.E.	SOIL MOISTURE		
		Amount	Amount	Deficit	Accumulated Deficit	Surplus
		Joule/cm ²	mm	mm	mm	mm
Carlow (Oak Park) Co. Carlow	1-10	-	8	-	0	10
	11-20	-	18	-	0	10
	21-end	-	19	-	0	2
	Month	-	45	-	-	-
Kinsealy* Co. Dublin	1-10	11752	9	-	0	2
	11-20	10569	10	0	0	0
	21-end	15867	23	2	2	-
	Month	38188	42	-	-	-
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	13340	10	2	2	-
	11-20	9206	10	-	0	11
	21-end	15059	12	-	0	32
	Month	37605	32	-	-	-
Kilkenny e Co. Kilkenny	1-10	13389	-	-	-	-
	11-20	10708	-	-	-	-
	21-end	16744	-	-	-	-
	Month	40841	-	-	-	-
Ballinamore Co. Leitrim	1-10		12	-	0	4
	11-20		23	-	0	1
	21-end	NA	13	-	0	36
	Month		48	0	-	-
Glenamoy Co. Mayo	1-10	-	14	-	0	5
	11-20	-	9	-	0	20
	21-end	-	13	-	0	41
	Month	-	36	0	-	-
Birr e Co. Offaly	1-10	12836	-	-	-	-
	11-20	10324	-	-	-	-
	21-end	16029	-	-	-	-
	Month	39189	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	11	3	3	-
	11-20	-	14	-	0	7
	21-end	-	16	-	0	20
	Month	-	41	-	-	-

See January issue of Bulletin for explanatory notes on the tables. *Solar Radiation Values from Dublin Airport.