



AGROMETEOROLOGICAL BULLETIN

JANUARY 1976

The Weather during January

From 1st to 22nd winds were mostly west or southwest, with a few brief spells in the southerlies or northwesterlies; consequently temperatures were high. During the last ten days it became cold, as first northwesterly or northerly winds dominated and then an easterly developed on 30th and 31st.

Temperature. Mean monthly air temperatures were well above normal - by about 2°C at most inland stations. Most of the month's air frost occurred in the last week and values in the range -4.0°C to -7.0°C were recorded. A measure of the end of the grass-growing season is that the four inch soil temperature be 'consistently' below 6°C. This happened between 12th and 20th of last December but was followed by mild weather. Not until the period January 21st to January 25th did the soil temperatures again drop below 6°C and they remained below well into February. It is reasonable to take the period January 21st to 25th as the end of the grass-growing season in most areas.

Sunshine. It was a dull month. Mean daily duration of sunshine ranged from 0.6 hours at Malin Head to 1.6 hours at Rosslare or from 40% to 75% of normal.

Rainfall. Monthly amounts ranged from 100% to 145% of normal in the west and north, from 80% to 100% of normal in the Midlands and East and from 50% to 75% of normal in the southeast, south and the extreme southwest. Sleet, snow and hail fell in Ulster and North Connaught on 1st, 4th, 20th to 25th. On 30th and 31st there was snow and sleet chiefly in Munster and Leinster. Many places had very little rain between 10th and 20th and the 20th to 25th was largely dry in the east and south. The wettest spells were 1st to 4th, 8th to 10th and 27th to 29th.

Wind. On 2nd the stormiest day of the winter occurred with gusts to 70 kts. in most areas and to 85 kts. at Birr. It was stormy again on 29th when gusts ranged 50 - 65 kts. generally and were up to 75 kts. at times in the southwest. Winds were strong and blasty on 1st, 8th, 10th, 19th, 20th, 22nd, 24th, 30th with gusts between 35 and 55 kts. Some gusts of 60 to 70 kts. occurred in the north and northwest on 20th.

Summary. January was a mild, dull month. Rainfall was mostly near or above normal. In south Munster and southeast Leinster rainfall was well below normal. The most severe storm of the winter occurred on 2nd.

NOTE An explanation of the terms used in the tables will be found on the last page of the bulletin.

TABLE 1.

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JANUARY 1976

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 4.0°C	Degree Days Above 10.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost	Mean Daily					Difference from Average
Carlow (Oak Park) Co. Carlow	1-10	34.5	-	8	5	7.8	-	1.0	04	0	34	0	-4.0	04	3	-	-	0.18	-	9	-
	11-20	2.0	-	2	1	7.8	-	2.5	15	0	29	0	-2.6	15	3	-	-	1.19	-	8	-
	21-end	18.5	-	8	3	3.8	-	-3.2	27	6	9	0	-9.0	27	8	-	-	2.58	-	10	-
	Month	55.0	-	18	9	6.4	-	-3.2	27	6	72	0	-9.0	27	14	-	-	1.36	-	9	-
Shannon Airport Co. Clare	1-10	70.4	-	8	8	8.9	-	2.3	01	0	45	1	-2.3	01	2	7.8	-	0.19	-	14	4
	11-20	11.8	-	4	3	8.4	-	4.8	18	0	40	0	-0.4	15	1	7.9	-	1.00	-	12	3
	21-end	40.8	-	7	5	4.7	-	-2.2	31	2	14	0	-6.2	31	5	4.9	-	1.79	-	14	5
	Month	123.0	130	19	16	7.2	+2.1	-2.2	31	2	99	1	-6.2	31	8	6.8	+2.5	1.02	60	13	12
Fermoy (Moore Park) Co. Cork	1-10	31.3	-	7	3	8.7	-	0.4	04	0	44	1	-3.0	01	4	-	-	0.15	-	8	-
	11-20	1.0	-	2	0	7.3	-	-2.0	15	1	30	0	-4.0	15	3	-	-	1.32	-	6	-
	21-end	61.4	-	7	5	3.7	-	-5.5	27	6	11	0	-8.7	31	8	-	-	1.70	-	10	-
	Month	93.7	-	16	8	6.5	-	-5.5	27	7	85	1	-8.7	31	15	-	-	1.08	-	8	-
Mallow Co. Cork	1-10	23.4	-	5	3	9.1	-	1.3	01	0	48	2	-4.2	01	2	-	-	0.11	-	-	-
	11-20	3.9	-	4	2	7.7	-	-0.3	15	1	33	0	-5.5	15	2	-	-	0.98	-	-	-
	21-end	72.4	-	7	6	3.7	-	-4.1	27	6	10	0	-8.8	27	8	-	-	1.32	-	-	-
	Month	99.7	94	16	11	6.7	-	-4.1	27	7	91	2	-8.8	27	12	-	-	0.82	-	-	-
Roche's Point Co. Cork	1-10	20.9	-	5	5	9.6	-	4.3	01	0	52	2	2.1	01	0	8.5	-	0.25	-	16	3
	11-20	2.8	-	2	1	8.2	-	3.8	15	0	38	0	1.3	15	0	7.7	-	1.30	-	12	4
	21-end	39.4	-	7	4	5.3	-	-0.5	31	1	17	1	-2.0	27	5	5.3	-	2.50	-	18	9
	Month	63.1	64	14	10	7.6	+1.1	-0.5	31	1	107	3	-2.0	27	5	7.1	+1.6	1.39	70	15	16
Glencolumbkille Co. Donegal	1-10	93.7	-	10	10	7.5	-	0.4	02	0	31	0				-	-	0.00	-		-
	11-20	41.7	-	9	8	8.5	-	4.8	19	0	41	0				-	-	0.36	-		-
	21-end	66.1	-	9	8	4.6	-	0.0	27	0	10	0	NA	NA		-	-	1.02	-	NA	-
	Month	201.5	-	28	26	6.8	-	0.0	27	0	82	0				-	-	0.48	-		-
Glenties Co. Donegal	1-10	98.2	-	10	10	6.8	-	-1.0	02	1	27	0	-4.0	02	4	-	-	0.04	-	-	-
	11-20	38.9	-	7	7	7.9	-	3.5	19	0	36	0	0.5	19	0	-	-	0.53	-	-	-
	21-end	80.7	-	8	8	3.7	-	-3.0	31	4	6	0	-8.0	31	7	-	-	1.48	-	-	-
	Month	217.8	137	27	25	6.0	-	-3.0	31	5	69	0	-8.0	31	11	-	-	0.71	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JANUARY 1976

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	68.0	-	10	9	7.3	-	1.5	01	0	30	0	-0.4	01	1	6.3	-	0.33	-	17	6
	11-20	36.6	-	9	6	8.2	-	2.9	20	0	38	0	1.5	19	0	7.5	-	0.35	-	21	6
	21-end	39.9	-	9	7	4.7	-	0.5	24	0	10	0	-0.6	27	1	4.5	-	0.99	-	23	11
	Month	144.5	144	28	22	6.7	+1.5	0.5	24	0	78	0	-0.6	27	2	6.0	-	0.57	43	20	23
Dublin Airport Co. Dublin	1-10	49.7	-	8	7	7.9	-	1.6	01	0	35	0	-1.3	10	3	6.7	-	0.67	-	14	4
	11-20	4.4	-	3	2	7.9	-	4.0	15	0	35	0	0.7	19	0	7.2	-	1.21	-	14	2
	21-end	12.0	-	6	3	3.9	-	-1.2	25	6	10	0	-4.9	26	7	3.6	-	2.64	-	17	7
	Month	66.1	94	17	12	6.5	+1.8	-1.2	25	6	80	0	-4.9	26	10	5.8	+2.2	1.54	75	15	13
Kinsealy Co. Dublin	1-10	49.8	-	7	6	8.1	-	1.6	01	0	38	1	-1.5	10	4	-	-	0.72	-	10	-
	11-20	4.2	-	3	1	8.0	-	4.2	15	0	37	0	0.6	15	0	-	-	1.26	-	10	-
	21-end	20.4	-	8	1	3.9	-	-1.8	26	5	8	0	-5.3	26	7	-	-	2.75	-	12	-
	Month	74.4	-	18	8	6.6	-	-1.8	26	5	83	1	-5.3	26	11	-	-	1.62	-	11	-
Lucan (U.C.D. Field Stn.) Co. Dublin	1-10	50.3	-	8	5	7.8	-	1.1	01	0	34	0	-1.4	04	4	-	-	0.72	-	9	-
	11-20	3.7	-	2	2	7.6	-	3.4	19	0	32	0	-0.4	15	1	-	-	0.75	-	8	-
	21-end	9.9	-	8	2	3.7	-	-2.1	25	6	8	0	-7.3	26	7	-	-	2.28	-	10	-
	Month	63.9	-	18	9	6.3	-	-2.1	25	6	74	0	-7.3	26	12	-	-	1.28	-	9	-
Galway (Univ. Coll.) Co. Galway	1-10	109.0	-	10	10	8.6	-	2.7	01	0	42	1	-3.5	04	4	-	-	0.04	-	NA	-
	11-20	18.6	-	7	3	8.5	-	4.6	19	0	41	0	-1.0	15	2	-	-	0.95	-	-	-
	21-end	48.9	-	8	7	4.6	-	-2.0	31	1	11	0	-8.0	31	8	-	-	1.44	-	-	-
	Month	176.5	-	25	20	7.1	-	-2.0	31	1	94	1	-8.0	31	14	-	-	0.83	-	-	-
Killarney (Muckross) Co. Kerry	1-10	47.5	-	8	6	9.7	-	2.1	01	0	54	4	-1.5	01	1	-	-	0.12	-	-	-
	11-20	8.1	-	4	3	8.8	-	3.0	15	0	45	1	-1.6	15	1	-	-	0.60	-	-	-
	21-end	111.0	-	10	6	4.9	-	-3.6	31	3	12	1	-8.2	31	6	-	-	0.86	-	-	-
	Month	166.6	-	22	15	7.7	-	-3.6	31	3	111	6	-8.2	31	8	-	-	0.54	-	-	-
Cahiriveen (Valentia Quay) Co. Kerry	1-10	25.5	-	7	7	9.8	-	2.2	01	0	54	4	-0.5	01	1	9.0	-	0.18	-	15	4
	11-20	8.2	-	7	4	9.0	-	5.0	14	0	46	1	1.2	14	0	8.3	-	1.01	-	12	2
	21-end	62.2	-	8	7	5.4	-	-2.3	31	1	16	1	-5.7	31	4	5.4	-	1.44	-	15	8
	Month	95.9	58	22	18	8.0	+1.0	-2.3	31	1	116	6	-5.7	31	5	7.5	+1.9	0.89	56	14	14

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TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

JANUARY 1976

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
mm	%	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	Hr	%	Kt					
Tralee (Caherweesheen) Co. Kerry	1-10	29.3	-	5	5	9.8	-	4.8	04	0	54	5	-0.9	01	1	-	-	0.41	-	-	-
	11-20	6.5	-	4	2	8.5	-	0.3	19	0	41	1	-3.4	19	2	-	-	1.13	-	-	-
	21-end	94.0	-	7	7	4.4	-	-6.8	31	5	14	1	-10.9	31	6	-	-	1.19	-	-	-
	Month	129.8	-	16	14	7.5	-	-6.8	31	5	109	7	-10.9	31	9	-	-	0.92	-	-	-
Lullymore Co. Kildare	1-10	47.9	-	8	7	7.1	-	0.0	04	0	28	0	-3.1	04	4	-	-	0.54	-	12	-
	11-20	5.9	-	2	2	7.4	-	1.6	15	0	30	0	-3.0	15	2	-	-	0.80	-	10	-
	21-end	12.8	-	8	5	3.2	-	-3.5	27	6	7	0	-10.8	27	8	-	-	2.28	-	13	-
	Month	66.6	-	18	14	5.8	-	-3.5	27	6	65	0	-10.8	27	14	-	-	1.24	-	12	-
Kilkenny Co. Kilkenny	1-10	37.5	-	6	5	8.0	-	0.0	01	0	36	0	-3.1	01	4	6.9	-	0.26	-	7	4
	11-20	2.8	-	3	1	7.5	-	2.5	15	0	32	0	-2.0	15	1	7.0	-	0.84	-	6	2
	21-end	25.6	-	7	5	4.0	-	-3.5	27	5	13	0	-7.2	27	6	3.7	-	3.51	-	9	5
	Month	65.9	73	16	11	6.4	+2.0	-3.5	27	5	81	0	-7.2	27	11	5.8	+2.3	1.25	64	7	11
Mooncoin (Silverspring) Co. Kilkenny	1-10	31.1	-	6	5	8.7	-	0.5	04	0	43	1	-3.6	04	4	-	-	0.27	-	-	-
	11-20	3.4	-	4	2	7.5	-	-1.5	15	1	32	1	-5.9	15	2	-	-	1.31	-	-	-
	21-end	39.0	-	7	5	4.0	-	-3.1	27	6	11	0	-9.0	26	8	-	-	2.67	-	-	-
	Month	73.5	-	17	12	6.6	-	-3.1	27	7	86	2	-9.0	26	14	-	-	1.46	-	-	-
Ballinamore Co. Leitrim	1-10	118.7	-	10	10	7.2	-	0.4	02	0	28	0	-0.6	01	2	-	-	0.15	-	7	-
	11-20	17.6	-	6	6	7.7	-	3.3	19	0	34	0	1.4	15	0	-	-	0.87	-	8	-
	21-end	42.8	-	8	7	3.5	-	-2.5	27	5	6	0	-4.3	31	6	-	-	2.34	-	9	-
	Month	179.1	-	24	23	6.1	-	-2.5	27	5	68	0	-4.3	31	8	-	-	1.16	-	8	-
Ardee (Boharnamog) Co. Louth	1-10	64.7	-	10	8	7.4	-	0.1	01	0	30	0	-2.8	03	4	-	-	-	-	-	-
	11-20	5.1	-	4	2	7.8	-	2.6	19	0	34	1	-1.9	15	2	-	-	-	-	-	-
	21-end	14.6	-	6	3	3.2	-	-2.9	27	4	5	0	-9.8	27	8	-	-	-	-	-	-
	Month	84.4	-	20	13	6.0	-	-2.9	27	4	69	1	-9.8	27	14	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	105.0	-	10	7	8.6	-	1.9	04	0	42	1	-3.2	04	4	-	-	0.20	-	7	-
	11-20	16.7	-	6	5	8.6	-	4.6	20	0	42	1	2.2	19	0	-	-	1.17	-	8	-
	21-end	47.6	-	9	8	4.4	-	-4.7	31	5	12	0	-7.6	31	7	-	-	1.16	-	9	-
	Month	169.3	-	25	20	7.1	-	-4.7	31	5	96	2	-7.6	31	11	-	-	0.85	-	8	-

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TABLE 1. (Continued)

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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	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
Belmullet Co. Mayo	1-10	61.2	-	10	10	7.9	-	3.1	04	0	36	0	0.2	02	0	7.4	-	0.00	-	15	4
	11-20	17.2	-	7	5	8.9	-	4.9	20	0	45	1	3.9	20	0	8.2	-	0.84	-	17	6
	21-end	54.4	-	9	8	4.9	-	-1.6	31	2	13	0	-3.8	31	4	5.0	-	1.10	-	17	8
	Month	132.8	103	26	23	7.2	+1.4	-1.6	31	2	94	1	-3.8	31	4	6.8	+2.1	0.66	41	16	18
Clarenorris Co. Mayo	1-10	83.0	-	10	9	7.3	-	0.9	01	0	30	0	-2.1	01	2	6.7	-	0.04	-	11	3
	11-20	14.3	-	6	4	8.1	-	4.1	18	0	37	0	0.8	13	0	7.3	-	0.77	-	11	4
	21-end	45.7	-	9	8	3.7	-	-2.8	31	5	10	0	-6.1	27	6	4.0	-	1.45	-	12	8
	Month	143.0	118	25	21	6.3	+2.1	-2.8	31	5	77	0	-6.1	27	8	6.0	+2.6	0.77	45	11	15
Glenamoy Co. Mayo	1-10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	21-end	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Month	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dunsany (Grange) Co. Meath	1-10	52.0	-	9	7	7.3	-	0.5	04	0	29	0	-2.9	04	3	-	-	0.40	-	-	-
	11-20	7.0	-	5	2	7.2	-	2.1	15	0	28	0	-3.0	15	1	-	-	0.81	-	NA	-
	21-end	19.1	-	7	4	3.4	-	-3.5	27	6	10	0	-11.0	27	7	-	-	2.13	-	-	-
	Month	78.1	98	21	13	5.9	-	-3.5	27	6	67	0	-11.0	27	11	-	-	1.15	-	-	-
Clonsilla Co. Monaghan	1-10	74.5	-	10	9	6.6	-	0.3	04	0	26	0	-1.6	01	3	5.9	-	0.31	-	10	4
	11-20	15.4	-	5	4	7.7	-	2.8	20	0	33	0	1.2	19	0	7.0	-	0.42	-	11	4
	21-end	27.9	-	9	5	3.4	-	-2.2	31	5	8	0	-5.4	27	5	3.3	-	1.94	-	13	7
	Month	117.8	129	24	18	5.8	+2.0	-2.2	31	5	67	0	-5.4	27	8	5.3	+2.3	0.92	55	11	15
Birr Co. Wick	1-10	45.7	-	8	6	7.9	-	0.9	01	0	35	0	-2.2	01	3	7.0	-	0.33	-	9	3
	11-20	5.9	-	5	2	7.7	-	3.4	18	0	34	0	-0.1	15	1	7.2	-	1.10	-	8	3
	21-end	18.8	-	9	5	3.8	-	-3.2	31	5	12	0	-7.8	27	6	3.9	-	2.23	-	11	5
	Month	70.4	84	22	13	6.4	+2.0	-3.2	31	5	81	0	-7.8	27	10	6.0	+2.4	1.25	70	9	11
Thurles Co. Tipperary	1-10	37.8	-	8	5	-	-	0.9	01	0	-	-	-1.8	01	4	-	-	0.21	-	-	-
	11-20	4.9	-	5	1	-	-	3.0	15	0	-	-	-2.8	15	1	-	-	1.24	-	-	-
	21-end	47.9	-	6	4	NA	-	-3.8	31	5	NA	-	-7.5	27	6	-	-	NA	-	-	-
	Month	90.6	91	19	10	-	-	-3.8	31	5	-	-	-7.5	27	11	-	-	-	-	-	-

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE and WIND

JANUARY 1976

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 (Tallygagin) Co. Waterford	1-10	24.1	-	6	4	9.5	-	1.0	04	0	51	5	-2.5	01	3	-	-	0.33	-	6	-
	11-20	4.8	-	3	2	8.1	-	-0.1	15	1	37	1	-3.5	15	4	-	-	1.25	-	5	-
	21-end	66.5	-	7	6	4.7	-	-2.4	27	5	13	1	-6.7	27	7	-	-	2.50	-	9	-
	Month	95.4	-	16	12	7.3	-	-2.4	27	6	101	7	-6.7	27	14	-	-	1.40	-	7	-
Mullingar Co. Westmeath	1-10	64.7	-	10	8	7.2	-	0.2	01	0	28	0	-2.4	01	3	6.4	-	0.09	-	13	4
	11-20	6.6	-	3	2	7.2	-	1.8	15	0	28	0	-1.5	15	2	6.9	-	0.72	-	13	5
	21-end	18.3	-	8	3	3.3	-	-4.1	27	6	8	0	-5.3	27	7	3.5	-	2.45	-	15	6
	Month	89.6	98	21	13	5.8	+1.9	-4.1	27	6	64	0	-5.3	27	12	5.5	+2.3	1.13	59	14	15
Campile (Ballysop) Co. Wexford	1-10	26.9	-	8	3	8.3	-	1.0	01	0	39	0	-3.5	01	3	-	-	0.24	-	NA	-
	11-20	3.4	-	4	1	7.6	-	0.6	19	0	32	0	-4.1	15	4	-	-	1.21	-	NA	-
	21-end	39.1	-	5	5	4.3	-	-2.3	31	5	13	0	-8.4	26	7	-	-	2.69	-	NA	-
	Month	69.4	-	17	9	6.6	-	-2.3	31	5	84	0	-8.4	26	14	-	-	1.42	-	NA	-
Clonroche Co. Wexford	1-10	28.4	-	7	4	7.7	-	0.4	04	0	33	0	-2.6	04	4	-	-	0.25	-	8	-
	11-20	4.3	-	4	2	7.1	-	-0.5	15	1	28	0	-4.9	15	2	-	-	1.39	-	6	-
	21-end	47.5	-	7	5	3.4	-	-2.1	27	6	8	0	-7.6	27	7	-	-	2.50	-	9	-
	Month	80.2	-	18	11	6.0	-	-2.1	27	7	69	0	-7.6	27	13	-	-	1.42	-	8	-
Johnstown Castle Co. Wexford	1-10	34.0	-	9	5	8.1	-	1.0	03	0	37	0	-3.4	04	3	-	-	0.38	-	9	-
	11-20	2.0	-	3	1	7.5	-	2.2	19	0	32	0	-4.0	19	2	-	-	1.30	-	6	-
	21-end	28.3	-	7	3	4.0	-	-1.6	26	5	11	0	-6.2	26	7	-	-	2.55	-	10	-
	Month	64.3	54	19	9	6.5	-	-1.6	26	5	80	0	-6.2	26	12	-	-	1.45	-	8	-
Hosslare Co. Wexford	1-10	32.5	-	9	5	8.8	-	2.6	01	0	44	0	0.2	04	0	7.8	-	0.46	-	14	7
	11-20	3.9	-	4	2	8.1	-	4.2	19	0	37	1	1.4	19	0	7.2	-	1.40	-	10	3
	21-end	21.8	-	6	2	5.0	-	-0.3	26	3	16	0	-3.0	27	5	4.1	-	2.75	-	17	10
	Month	58.2	58	19	9	7.2	+1.0	-0.3	26	3	97	1	-3.0	27	5	6.3	+1.4	1.57	71	14	20

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

TABLE 2.

SOLAR RADIATION (GLOBAL), POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE JANUARY 1976

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	-	-1	-	0	36
	11-20	-	5	3	3	0
	21-end	-	5	-	0	14
	Month	-	9	-	-	-
Kinsealy * Co. Dublin	1-10	1389	2	-	0	48
	11-20	2082	5	1	1	0
	21-end	3388	6	-	0	15
	Month	6859	13	-	-	-
Cahirciveen e (Valentia Obsy.) Co. Kerry	1-10	1542	-3	-	0	29
	11-20	1792	1	-	0	9
	21-end	2870	3	-	0	62
	Month	6204	1	-	-	-
Kilkenny e Co. Kilkenny	1-10	1131	-	-	-	-
	11-20	2113	-	-	-	-
	21-end	3688	-	-	-	-
	Month	6932	-	-	-	-
Ballinasore Co. Leitrim	1-10	805	NA	NA	NA	NA
	11-20	1615	6	-	0	12
	21-end	3347	NA	NA	NA	NA
	Month	5767	-	-	-	-
Glenamoy Co. Mayo	1-10	-				
	11-20	-				
	21-end	-		NOT AVAILABLE		
	Month	-				
Birr e Co. Offaly	1-10	1187	-	-	-	-
	11-20	2047	-	-	-	-
	21-end	3699	-	-	-	-
	Month	6933	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	1	-	0	33
	11-20	-	3	1	1	0
	21-end	-	10	-	0	18
	Month	-	14	-	-	-

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

AGROMETEOROLOGICAL BULLETIN - NOTES

1. The term "rainfall" includes all forms of precipitation (snow, hail, dew) measured as equivalent rain.
2. "Rain days" and "Wet days" are days during which the total rainfall is not less than 0.2 mm and 1.0 mm respectively.
3. The mean daily air temperature over a period is taken as the average of the daily maximum and daily minimum temperature over the period.
4. For a given daily mean temperature of $T^{\circ}\text{C}$ (See 3) the degree day total (DD) above the base temperature ($B^{\circ}\text{C}$) is given by $\text{DD} = (T - B)^{\circ}\text{C}$ days when T is greater than B . If T is less than B then $\text{DD} = 0$ for that day.
5. Days with air frost are those during which the minimum air temperature is below 0.0°C .
6. "Ground" temperatures refer to temperatures measured with a thermometer placed horizontally on pegs just above the tips of short grass.
7. Days with ground frost are those during which the minimum "ground" temperature is below 0.0°C .
8. The mean daily soil temperature (at 10 cm depth) over a period is taken as the average of four daily readings (at 0300, 0900, 1500 and 2100 G.M.T.) over the period at stations marked "e" in the Tables.
9. Mean daily wind speed over a period is taken as the average of hourly values during the period at stations marked "e". At other stations, mean daily wind speed is computed from once-daily readings of run-of-the-wind. All wind speeds refer to the wind at 10 metres effective height above the ground; where measurements are made at other heights the wind speed readings are corrected to a height of 10 metres.
10. Days with gale-gusts are those (at stations marked "e") during which the wind speed exceeded 33 knots at any time during the day.
11. Potential evapotranspiration (P.E.) values given in Table 2 are those measured by means of soil-filled tanks sunk into the ground with their upper, grass-covered ends at surface level.
12. Soil moisture deficits and surpluses are computed from the differences between rainfall and actual evapotranspiration (A.E.). Estimates of A.E. are derived from measured values of P.E. (see Agmet. Mem. No. 1, 1968). Soil moisture surpluses are assumed to be removed by drainage and surface run-off and are not, therefore, carried forward from one period to the next. Soil moisture deficits are, however, regarded as being cumulative.
13. Deviations of monthly values of rainfall, air temperature, soil temperature and bright sunshine from long-term averages are shown in Table 1 in the case of stations for which those averages are known. The averages of rainfall, air temperature and bright sunshine refer to the period 1931-1960; averages of soil temperature refer to the period 1954-1968.
14. In cases where elements are not normally measured or where long-term averages are not available, a dash (-) is inserted in the appropriate space in the Tables.

If, in a particular month, some data, normally given, are not included in the Bulletin, this omission will be indicated by the letters N/A in the appropriate space in the Tables.