



AGROMETEOROLOGICAL BULLETIN

FEBRUARY 1972

The weather during February

Rainfall during the month was very variable over the country. In the extreme north monthly totals were only 52% of the normal February values while in South Leinster and in most parts of Munster they were over 150% of normal (over 200% in parts of Cork); elsewhere rainfall totals were about normal. In many places, about half the total rainfall for the month fell during the first ten days, with heavy falls almost everywhere on 2nd. By mid-month, the soil was saturated in most areas particularly in the southern half of the country. A dry spell from the 17th - 24th relieved the situation somewhat and in free-draining soils there was a marked drying-out during this period. During the last week of the month, there were frequent outbreaks of rain in most parts and in South Munster and South Leinster many of these outbreaks were heavy and prolonged.

The mean air temperature over the month was 0.1°C to 0.6°C above normal over most of the country; in districts near the north and west coasts they were slightly below normal. The occurrence of air frost was confined almost entirely to the first half of the month, with air temperatures below 0°C being recorded at only a few places after 14th. There was a gradual rise in soil temperatures during the month and by March 1st the temperature at 10 cm depth was about 1°C above the normal value for that time of year. In the southern half of the country, the temperature at that depth was over 6.0°C for lengthy spells during the second half of the month and plant growth was responding noticeably to the favourable temperature conditions.

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

FEBRUARY 1972

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 6.0°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				
Kilkenny e Co. Kilkenny	1-10	41.5	-	8	7	4.5	-	-4.4	09	6	14.7	8.3	-7.3	09	7	3.7	-	3.27	-	6	1
	11-20	23.4	-	5	4	4.5	-	-2.9	13	4	11.8	5.1	-5.5	13	4	4.0	-	2.29	-	7	2
	21-end	16.7	-	6	6	5.8	-	-0.7	29	2	17.2	9.1	-4.0	29	3	5.1	-	1.74	-	7	0
	Month	81.6	130	19	17	4.9	0.0	-4.4	09	12	43.7	22.5	-7.3	09	14	4.3	+0.1	2.46	94	7	3
Mooncoin (Silverspring) Co. Kilkenny	1-10	64.1	-	9	7	4.7	-	-2.5	09	7	16.2	9.2	-7.4	09	9	-	-	2.60	-	-	-
	11-20	28.6	-	5	3	5.0	-	-2.0	14	2	13.5	6.1	-7.2	14	7	-	-	2.63	-	-	-
	21-end	49.8	-	7	4	6.5	-	+1.5	27	0	21.2	11.0	-2.8	29	3	-	-	1.99	-	-	-
	Month	142.5	-	21	14	5.4	-	-2.5	09	9	50.9	26.3	-7.4	09	19	-	-	2.42	-	-	-
Ballinamore Co. Leitrim	1-10		-				-									-	-		-		
	11-20		-				-									-	-		-		
	21-end	NA	-				-									-	-		-		
	Month		-				-									-	-		-		
Ardee (Boharnamoe) Co. Louth	1-10	33.5	-	8	7	3.6	-	-1.1	01	7	11.8	6.1	-6.0	04	8	-	-	-	-	-	-
	11-20	19.7	-	5	3	4.6	-	-0.8	13	3	10.3	4.0	-3.0	14	6	-	-	-	-	-	-
	21-end	17.0	-	6	4	5.7	-	+2.2	23	0	14.4	6.4	-2.2	29	3	-	-	-	-	-	-
	Month	70.2	-	19	14	4.6	-	-1.1	01	10	36.5	16.5	-6.0	04	17	-	-	-	-	-	-
Ballinrobe (Creagh) Co. Mayo	1-10	56.6	-	10	9	4.5	-	-3.6	01	4	12.5	6.8	-4.8	09	9	-	-	2.58	-	8	-
	11-20	30.0	-	6	6	5.0	-	+0.9	12	0	12.9	5.4	-3.4	13	7	-	-	2.32	-	8	-
	21-end	16.0	-	6	4	5.0	-	-2.2	21	2	13.9	6.7	-5.5	23	8	-	-	2.57	-	8	-
	Month	102.6	-	22	19	4.8	-	-3.6	01	6	39.3	18.9	-5.5	23	24	-	-	2.49	-	8	-
Belmullet e Co. Mayo	1-10	32.8	-	8	6	5.2	-	-1.0	06	1	14.8	6.5	-4.3	06	6	4.5	-	2.55	-	13	4
	11-20	27.5	-	7	6	5.4	-	-0.4	18	1	16.1	7.4	-3.0	18	3	4.9	-	2.32	-	15	6
	21-end	15.8	-	6	4	6.1	-	-0.2	23	1	18.5	9.1	-4.2	23	3	5.5	-	2.08	-	11	3
	Month	76.1	93	21	16	5.6	-0.4	-1.0	06	3	49.4	23.0	-4.3	06	12	4.9	-0.2	2.32	92	13	13
Claremorris e Co. Mayo	1-10	43.2	-	8	7	4.3	-	-0.8	08	2	10.8	5.2	-3.3	08	8	3.2	-	2.45	-	7	3
	11-20	32.3	-	6	6	4.6	-	+0.3	13	0	10.4	4.3	-2.0	18	6	3.6	-	2.23	-	8	3
	21-end	17.4	-	5	4	5.3	-	-1.7	21	2	16.0	8.4	-4.6	21	3	4.6	-	2.57	-	7	1
	Month	92.9	112	19	17	4.8	0.0	-1.7	21	4	37.2	17.9	-4.6	21	17	4.8	0.0	2.41	100	7	7
Glenamoy Co. Mayo	1-10	47.1	-	9	8	4.5	-	-6.1	01	3	12.9	5.9	-6.6	01	7	-	-	3.12	-	14	-
	11-20	35.8	-	6	5	4.6	-	-0.6	19	2	11.6	5.1	-3.1	19	5	-	-	1.82	-	14	-
	21-end	16.7	-	5	4	5.5	-	-1.0	21	2	17.0	9.2	-3.0	23	4	-	-	2.40	-	12	-
	Month	99.6	-	20	17	4.8	-	-6.1	01	7	41.5	20.2	-6.6	01	16	-	-	2.45	-	13	-
Dunsany (Grange) Co. Meath	1-10	27.0	-	9	8		-									-	-	3.43	-		
	11-20	12.0	-	6	3		-									-	-	2.00	-	NA	
	21-end	9.6	-	6	5		-									-	-	1.54	-		
	Month	48.6	-	21	16		-									-	-	2.35	-		
Clones e Co. Monaghan	1-10	36.4	-	7	5	4.8	-	+0.4	04	0	11.5	4.8	-3.5	04	7	3.5	-	3.22	-	9	3
	11-20	7.5	-	5	3	4.5	-	-0.3	12	1	8.6	3.4	-3.4	12	5	3.7	-	2.44	-	12	4
	21-end	8.5	-	6	3	5.1	-	-0.6	23	1	12.7	5.9	-2.8	23	3	4.5	-	1.01	-	8	1
	Month	52.4	84	18	11	4.8	+0.5	-0.6	23	2	32.8	14.1	-3.5	04	15	3.8	+0.3	2.27	98	10	8
Birr e Co. Offaly	1-10	17.4	-	6	5	5.1	-	-0.7	09	1	16.1	7.5	-6.4	09	6	3.9	-	3.57	-	8	3
	11-20	15.7	-	5	5	4.9	-	+0.1	14	0	11.2	4.5	-3.5	14	5	4.1	-	2.10	-	7	3
	21-end	11.3	-	5	2	5.9	-	+0.8	21	0	17.5	9.7	-3.8	21	6	5.2	-	2.01	-	7	1
	Month	44.4	77	16	12	5.3	+0.4	-0.7	09	1	44.8	21.7	-6.4	09	17	4.3	-0.2	2.58	97	7	7
Thurles Co. Tipperary	1-10	44.4	-	7	7	4.2	-	-6.5	07	4	11.7	5.6	-7.5	09	9	-	-	2.99	-	-	-
	11-20	32.5	-	5	5	4.7	-	-1.1	14	1	10.2	3.8	-8.0	14	5	-	-	2.19	-	-	-
	21-end	23.6	-	6	4	6.0	-	+0.1	27	0	18.7	11.5	-4.0	27	4	-	-	2.33	-	-	-
	Month	100.5	147	18	16	4.9	+0.1	-6.5	07	5	40.6	20.9	-8.0	14	18	-	-	2.51	-	-	-
Dungarvan (Ballygagin) Co. Waterford	1-10	57.6	-	10	7	5.3	-	-2.9	09	1	18.0	9.0	-7.0	09	8	-	-	3.42	-	7	-
	11-20	31.7	-	5	3	5.4	-	-0.1	13	2	15.2	6.4	-5.3	14	5	-	-	2.40	-	8	-
	21-end	62.9	-	6	5	6.6	-	+2.5	29	0	21.9	11.4	-3.0	29	4	-	-	2.78	-	8	-
	Month	152.2	-	21	15	5.8	-	-2.9	09	3	55.1	26.8	-7.0	09	17	-	-	2.87	-	8	-
Mullingar e Co. Westmeath	1-10	31.5	-	7	6	4.4	-	-1.3	09	3	11.5	5.9	-3.9	09	6	3.7	-	3.46	-	9	2
	11-20	15.7	-	5	5	4.6	-	-1.4	13	3	10.4	4.2	-5.0	14	4	3.9	-	2.11	-	9	4
	21-end	14.9	-	6	3	5.6	-	+0.4	27	0	15.1	7.4	-2.7	27	2	4.9	-	1.33	-	8	1
	Month	62.1	95	18	14	4.9	+0.4	-1.4	13	6	37.0	17.5	-5.0	14	12	4.1	+0.4	2.33	91	9	7
Campile (Ballysop) Co. Wexford	1-10	54.1	-	9	8	5.3	-	-4.5	01	2	18.3	9.1	-7.6	01	5	-	-	2.89	-		
	11-20	25.0	-	5	4	6.1	-	-6.5	13	3	27.3	17.4	-7.0	12	6	-	-	2.40	-		
	21-end	31.7	-	6	4	6.5	-	+3.1	21	0	20.5	10.7	-1.4	26	1	-	-	1.51	-	NA	
	Month	110.8	-	20	16	5.9	-	-6.5	13	5	66.1	37.2	-7.6	01	12	-	-	2.29	-		

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

TABLE 1. (Continued)

RAINFALL, TEMPERATURE, SUNSHINE AND WIND

FEBRUARY 1972

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 6.0°C	Lowest Grass Minimum	Day	No. of Days with Ground Frost					Mean Daily	Difference from Average
Clonroche Co. Wexford	1-10	74.3	-	9	7	4.2	-	-2.5	09	5	11.8	6.0	-8.4	09	9	-	-	2.85	-	5	-
	11-20	41.8	-	6	4	4.4	-	-1.0	13	2	9.0	3.3	-5.5	13	7	-	-	2.63	-	6	-
	21-end	40.8	-	7	5	5.6	-	+1.7	27	0	13.8	6.0	-4.5	27	3	-	-	1.51	-	7	-
	Month	156.9	-	22	16	4.7	-	-2.5	09	7	34.6	15.3	-8.4	09	19	-	-	2.36	-	6	-
Johnstown Castle Co. Wexford	1-10	52.9	-	10	6	5.5	-	-0.5	07	2	18.4	8.9	-5.0	07	8	-	-	2.79	-	8	-
	11-20	32.3	-	4	3	5.5	-	+1.5	12	0	14.4	5.3	-2.5	13	4	-	-	2.70	-	8	-
	21-end	27.3	-	6	5	6.4	-	+3.3	21	0	19.3	8.7	-2.9	27	3	-	-	1.42	-	9	-
	Month	112.5	-	20	14	5.8	-	-0.5	07	2	52.1	22.9	-5.0	07	15	-	-	2.33	-	8	-
Rosslare e Co. Wexford	1-10	57.7	-	10	8	6.6	-	+1.7	07	0	23.4	11.9	-1.7	09	4	5.4	-	2.75	-	12	4
	11-20	35.6	-	5	5	5.9	-	-0.1	13	1	17.3	6.6	-3.6	14	3	5.3	-	3.03	-	13	7
	21-end	14.4	-	7	6	6.9	-	+4.2	21	0	23.0	10.7	+0.7	27	0	6.1	-	1.80	-	14	4
	Month	107.7	-	22	19	6.5	+0.5	-0.1	13	1	63.7	29.2	-3.6	14	7	5.6	+0.3	2.55	92	13	15

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

STATION	PERIOD	SOLAR RADIATION	P.E.	SOIL MOISTURE		
		Amount	Amount	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10	Joule/cm ²	mm	mm	mm	mm
	11-20	-	0	0	0	50
	21-end	-	0	0	0	24
	Month	-	3	0	0	9
Kinsealy Co. Dublin	1-10	N.A.	0	0	0	38
	11-20	5118	7	0	0	15
	21-end	4412	12	5	5	0
	Month	N.A.	19	-	-	-
Cahiriveen e (Valentia Obsy.) Co. Kerry	1-10	5080	5	0	0	69
	11-20	4465	0	0	0	70
	21-end	5024	12	0	0	27
	Month	14569	17	-	-	-
Kilkenny e Co. Kilkenny	1-10	4718	-	-	-	-
	11-20	4449	-	-	-	-
	21-end	4508	-	-	-	-
	Month	13675	-	-	-	-
Ballinamore Co. Leitrim	1-10					
	11-20	N.A.		N.A.		N.A.
	21-end					
	Month					
Glenamoy Co. Mayo	1-10	4855	1	0	0	46
	11-20	4399	0	0	0	37
	21-end	5225	12	0	0	5
	Month	14479	13	-	-	-
Birr e Co. Offaly	1-10	4841	-	-	-	-
	11-20	4331	-	-	-	-
	21-end	4949	-	-	-	-
	Month	14121	-	-	-	-
Johnstown Castle Co. Wexford	1-10	-	6	0	0	47
	11-20	-	2	0	0	31
	21-end	-	9	0	0	18
	Month	-	17	-	-	-

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