



# AGROMETEOROLOGICAL BULLETIN

## The Weather of February 1988

### Summary:

Mostly wet and windy to 15th. Afterwards high pressure ( but with relatively mild air ) dominated. Generally dull except for the southeast.

### Meteorological Situation:

During the first fifteen days the weather was dominated by a series of depressions, spells of strong south to west winds, and frequent heavy rain. The two most intense depressions were in the vicinity of Ireland on the 1st and 9th. Southern areas were most affected on 1st ( there was a maximum gust of 42m/s at Cork Airport ) but storm force winds were more extensive over the country on the 9th ( maximum gust of 44m/s at Belmullet ) . This storm particularly affected the northwest as the centre of the depression this time was further to the north .

High pressure originally from near the Azores played a dominant role on our weather for the remainder of the month. Occasional frontal systems affected northern areas or passed southwards over the country as weak features. The centre of high pressure slowly receded westwards into the Atlantic after 22nd. Mild air circulating around the high cell moved down over the country in the northwesterly airflow to the end of the month.

### Precipitation:

Amounts varied from 165% of normal at Belmullet to 56% of normal at Rosslare. The semi-continuous wet spell ended on the 15th. Small soil moisture deficits occurred at the end of the month.

### Temperature:

Above normal values occurred except in the southeast. Mean air temperatures varied from 0.8°C above normal at Galway to 0.1°C below normal at Rosslare ( due to lower night time temperatures in these areas). Soil temperatures (100mm) recovered from being below normal early in the month to 1°C and 2°C above during the fourth week. Air frost occurred on 3rd,5th to 8th,12th,16th and 25th.

### Sunshine and Radiation:

Sunshine hours were below normal except in the south and east; these varied from 131% of normal at Rosslare to 73% of normal at Malin Head. Global radiation varied from 114% of normal at Dublin Airport to 93% of normal at Birr.

### Wind:

Storm force wind occurred in southern areas on 1st and widespread storms occurred on 9th ( storm force lasting up to 8hrs and gales up to 26hrs at Belmullet ).

NOTE: The data contained in this bulletin are provisional. Some of the material in Table 1 will be published in its final form in the Monthly Weather Report; final values of Global Radiation at stations in Table 2 will be published in the annual Solar Radiation Observations.

TABLE 1

FEBRUARY 1988

STATION	PERIOD	RAINFALL (mm)				TEMPERATURE (°C)														BRIGHT SUNSHINE		WIND		P.E. (PENMAN) (mm)		
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)				TOTAL NO. OF HOURS	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS			
						MEAN MAX.	MEAN MIN.	MEAN DAILY	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN"	DATE	DAYS WITH GROUND FROST						MEAN DAILY	DIFFERENCE FROM AVERAGE
Carlow (Oak Park) Co. Carlow	1-10	30.9	-	7	7	6.5	-0.8	2.9	-	-6.8	10	6	6	-	0	-	-5.7	7	9	-	-	26.6	-	2.3	-	-
	11-20	18.0	-	4	3	8.8	2.2	5.5	-	-1.0	12	2	19	-	0	-	-6.8	16	6	-	-	25.2	-	0.8	-	-
	21-END	5.6	-	3	2	7.6	2.5	5.1	-	-0.2	25	1	12	-	0	-	-5.0	25	5	-	-	23.8	-	4.4	-	-
	MONTH	54.5	94	14	12	7.6	1.2	4.4	-	-6.8	10	9	37	-	0	-	-6.8	16	20	-	-	75.6	-	2.4	-	10
Shannon Airport Co. Clare	1-10	77.6	-	9	9	8.1	1.6	4.8	-	0.2	6	0	13	-	0	-	-5.5	6	6	3.7	-	20.2	-	8.1	8	-
	11-20	11.4	-	5	4	9.4	2.9	6.1	-	-0.4	16	1	23	-	1	-	-6.6	16	5	5.2	-	26.7	-	3.1	4	-
	21-END	6.6	-	3	2	9.4	3.6	6.5	-	1.0	24	0	22	-	1	-	-5.5	24	5	6.0	-	14.2	-	3.3	2	-
	MONTH	95.6	152	17	15	8.9	2.7	5.8	+0.5	-0.4	16	1	58	81	2	-	-6.6	16	16	4.9	-0.1	61.1	80	4.9	14	20
Cork Airport Co. Cork	1-10	50.9	-	9	8	7.4	0.9	4.2	-	-0.7	6	1	9	-	0	-	-3.9	6	7	3.5	-	24.6	-	9.1	9	-
	11-20	22.6	-	6	3	8.2	2.5	5.4	-	-0.8	12	1	17	-	0	-	-4.5	16	5	4.9	-	29.6	-	4.9	4	-
	21-END	1.1	-	2	0	8.1	3.3	5.7	-	0.8	25	0	15	-	0	-	-1.6	25	3	5.6	-	26.6	-	6.4	4	-
	MONTH	74.6	70	17	11	7.9	2.2	5.1	+0.2	-0.8	12	2	42	75	0	-	-4.5	16	15	4.6	-0.1	80.8	111	6.8	17	22
Fermoy (Coolnakilla) Co. Cork	1-10	64.2	-	10	7	6.1	-0.1	3.0	-	-1.2	6	5	5	-	0	-	-4.6	6	10	-	-	24.8	-	7.3	-	-
	11-20	20.8	-	6	4	7.5	1.1	4.3	-	-6.4	11	4	12	-	0	-	-5.3	16	5	-	-	24.8	-	3.4	-	-
	21-END	3.7	-	5	2	7.2	2.2	4.7	-	-0.7	25	2	10	-	0	-	-4.5	22	5	-	-	22.3	-	5.5	-	-
	MONTH	88.7	-	21	13	6.9	1.0	4.0	-	-6.4	11	11	27	-	0	-	-5.3	16	20	-	-	71.9	-	5.4	-	14
Fermoy (Moore Park) Co. Cork	1-10	50.4	-	8	7	7.4	0.2	3.8	-	-5.7	6	3	9	-	0	-	-6.2	7	8	-	-	23.2	-	N/A	-	-
	11-20	14.4	-	5	3	8.9	1.2	5.0	-	-4.2	17	4	19	-	0	-	-7.9	17	6	-	-	21.3	-	N/A	-	-
	21-END	5.5	-	2	2	8.6	3.1	5.9	-	-1.0	22	1	18	-	0	-	-0.5	22	6	-	-	21.0	-	N/A	-	-
	MONTH	70.3	89	15	12	8.3	1.4	4.9	-	-5.7	6	8	46	-	1	-	-7.9	17	20	-	-	65.5	-	N/A	-	N/A
Roches Point Co. Cork	1-10	32.7	-	8	7	8.3	2.3	5.3	-	0.6	6	0	16	-	0	-	-5.0	6	7	4.3	-	26.0	-	10.4	10	-
	11-20	12.9	-	5	2	8.8	3.9	6.4	-	1.0	12	0	23	-	0	-	-3.4	17	5	5.9	-	31.1	-	5.2	5	-
	21-END	0.4	-	1	0	8.9	4.6	6.8	-	2.4	25	0	23	-	0	-	-2.1	25	2	6.1	-	22.3	-	7.2	2	-
	MONTH	46.0	58	14	9	8.7	3.6	6.1	+0.0	0.6	6	0	61	78	0	-	-5.0	6	14	5.4	-0.5	79.4	103	7.6	17	25
Glencolumbkille Co. Donegal	1-10	69.2	-	10	10	6.7	2.1	4.4	-	0.5	4	0	7	-	0	-	-2.3	6	6	-	-	N/A	-	7.6	-	-
	11-20	38.5	-	10	8	8.5	3.6	6.0	-	1.0	12	0	20	-	0	-	-2.2	13	5	-	-	N/A	-	3.7	-	-
	21-END	11.5	-	9	4	8.7	4.0	6.3	-	2.4	29	0	19	-	0	-	-2.4	22	1	-	-	N/A	-	3.5	-	-
	MONTH	119.2	-	29	22	7.9	3.2	5.5	-	0.5	4	0	46	-	0	-	-2.4	22	12	-	-	N/A	-	5.1	-	N/A

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE 1 (CONTINUED)

FEBRUARY 1988

STATION	PERIOD	RAINFALL (mm)				TEMPERATURE (°C)																BRIGHT SUNSHINE		WIND										
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR								GROUND				SOIL (10cm)				TOTAL NO. OF HOURS	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS	P.E. (PENMAN) (mm)								
						MEAN MAX.	MEAN MIN.	MEAN DAILY	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST °GRASS-MIN <sup>-1</sup>	DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE													
Glenties Co. Donegal	1-10	76.7	-	10	10	6.4	-2.2	2.1	-	-8.2	8	8	5	-	0	-	-2.6	4	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11-20	34.6	-	10	6	8.1	2.0	5.1	-	-1.2	11	2	16	-	0	-	-5.3	16	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-		
	21-END	22.6	-	8	5	8.5	2.8	5.6	-	0.2	22	0	16	-	0	-	-4.8	25	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	MONTH	133.9	124	28	21	7.6	0.8	4.2	-	-8.2	8	10	36	-	0	-	-5.3	16	N/A	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Malin Head Co. Donegal	1-10	86.2	-	10	10	7.0	2.1	4.6	-	1.4	8	0	8	-	0	-	-1.2	7	3	3.9	-	16.4	-	12.2	9	-	-	-	-	-	-	-		
	11-20	26.3	-	10	5	8.8	4.0	6.4	-	1.1	12	0	23	-	1	-	-1.0	12	3	5.1	-	15.6	-	8.1	7	-	-	-	-	-	-	-	-	
	21-END	8.8	-	8	3	8.2	4.3	6.3	-	2.0	29	0	18	-	0	-	0.1	29	0	6.0	-	15.9	-	9.9	8	-	-	-	-	-	-	-	-	
	MONTH	121.3	162	28	18	8.0	3.5	5.7	+0.6	1.1	12	0	50	91	1	-	-1.2	7	6	5.0	+0.6	47.9	73	10.1	24	29	-	-	-	-	-	-	-	
Casement Aerodrome Co. Dublin	1-10	21.7	-	8	6	6.5	0.9	3.7	-	-0.6	6	4	8	-	0	-	-2.8	7	7	2.8	-	24.8	-	11.6	8	-	-	-	-	-	-	-	-	
	11-20	17.4	-	4	4	8.5	2.6	5.6	-	-0.4	12	1	19	-	1	-	-2.3	12	5	4.3	-	21.1	-	6.6	5	-	-	-	-	-	-	-	-	-
	21-END	2.2	-	3	1	7.4	2.1	4.8	-	-1.9	25	1	12	-	0	-	-4.6	25	5	4.7	-	20.6	-	4.8	2	-	-	-	-	-	-	-	-	-
	MONTH	41.3	81	15	11	7.5	1.9	4.7	+0.3	-1.9	25	6	38	72	1	-	-4.6	25	17	3.9	-	66.5	88	7.7	15	21	-	-	-	-	-	-	-	-
Dublin Airport Co. Dublin	1-10	19.2	-	9	8	7.0	1.3	4.2	-	-0.7	7	2	9	-	0	-	-4.0	7	7	2.9	-	28.9	-	9.5	6	-	-	-	-	-	-	-	-	-
	11-20	13.2	-	4	2	8.7	2.8	5.8	-	-1.0	12	1	20	-	1	-	-4.0	12	5	4.5	-	27.0	-	5.1	3	-	-	-	-	-	-	-	-	-
	21-END	1.6	-	4	0	8.0	3.1	5.5	-	-0.6	25	1	16	-	0	-	-4.0	24	5	5.2	-	25.9	-	4.9	2	-	-	-	-	-	-	-	-	-
	MONTH	34.0	67	17	10	7.9	2.4	5.1	+0.3	-1.0	12	4	45	79	1	-	-4.0	24	17	4.2	-0.1	81.8	106	6.6	11	24	-	-	-	-	-	-	-	-
Kinsealy Co. Dublin	1-10	18.1	-	8	8	7.5	0.9	4.2	-	-1.2	7	2	9	-	0	-	-5.7	3	9	-	-	31.1	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	13.2	-	4	4	8.2	2.5	5.3	-	-0.7	12	2	18	-	1	-	-3.3	13	5	-	-	24.8	-	-	-	-	-	-	-	-	-	-	-	-
	21-END	1.0	-	2	0	8.1	3.0	5.5	-	-0.8	25	1	15	-	0	-	-3.5	25	6	-	-	27.7	-	-	-	-	-	-	-	-	-	-	-	-
	MONTH	32.3	65	14	12	7.9	2.1	5.0	-	-1.2	7	5	43	-	1	-	-5.7	3	20	-	-	84.6	-	-	-	-	-	-	-	-	-	-	-	-
Galway Co. Galway	1-10	59.4	-	9	9	7.6	1.9	4.8	-	-0.8	6	1	12	-	0	-	-6.5	6	4	3.3	-	21.9	-	7.7	8	-	-	-	-	-	-	-	-	-
	11-20	15.0	-	5	5	9.1	2.9	6.0	-	-1.0	16	1	22	-	1	-	-5.1	16	5	4.9	-	26.2	-	3.3	3	-	-	-	-	-	-	-	-	-
	21-END	3.8	-	4	2	9.3	4.4	6.9	-	2.5	25	0	23	-	0	-	-1.8	25	2	6.2	-	15.8	-	3.5	2	-	-	-	-	-	-	-	-	-
	MONTH	78.2	104	18	16	8.7	3.0	5.8	+0.8	-1.0	16	2	58	-	1	-	-6.5	6	11	4.8	-	63.9	84	4.9	13	20	-	-	-	-	-	-	-	-
Killarney (Muckross House) Co. Kerry	1-10	88.6	-	10	10	7.4	0.7	4.1	-	-2.0	6	3	10	-	0	-	-4.6	6	10	-	-	11.8	-	-	-	-	-	-	-	-	-	-	-	-
	11-20	25.3	-	6	3	9.2	1.6	5.4	-	-2.3	17	2	19	-	1	-	-4.8	17	8	-	-	22.9	-	-	-	-	-	-	-	-	-	-	-	-
	21-END	2.5	-	3	1	8.2	3.3	5.8	-	0.6	24	0	16	-	0	-	-4.5	25	5	-	-	8.2	-	-	-	-	-	-	-	-	-	-	-	-
	MONTH	116.4	85	19	14	8.3	1.8	5.1	-	-2.3	17	5	45	-	1	-	-4.8	17	23	-	-	42.9	-	-	-	-	-	-	-	-	-	-	-	-

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FEBRUARY 1988

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		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)		TOTAL NO. OF HOURS	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS					
						MEAN MAX.	MEAN MIN.	MEAN DAILY	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN"					DATE	DAYS WITH GROUND FROST		MEAN DAILY	DIFFERENCE FROM AVERAGE
Cahirciveen (Valentia Obsy.) Co. Kerry	1-10	66.4	-	10	10	9.1	2.8	6.0	-	0.2	6	0	20	-	1	-	-1.0	6	3	5.0	-	17.3	-	9.3	10	-
	11-20	23.3	-	5	5	10.0	3.3	6.6	-	0.5	16	0	26	-	2	-	-1.7	16	2	6.4	-	25.5	-	3.6	5	-
	21-END	2.4	-	3	1	9.7	5.5	7.6	-	2.5	25	0	29	-	0	-	0.0	25	0	7.3	-	21.1	-	5.6	4	-
	MONTH	92.1	78	18	16	9.6	3.8	6.7	+0.2	0.2	6	0	75	82	3	-	-1.7	16	5	6.2	+0.1	63.9	88	6.2	19	23
Ardfert (Liscahane) Co. Kerry	1-10	64.7	-	10	10	7.9	1.9	4.9	-	0.1	6	0	12	-	0	-	-3.1	6	4	-	-	17.4	-	-	-	-
	11-20	15.5	-	5	3	9.7	2.4	6.0	-	-1.1	16	2	23	-	1	-	-4.5	16	4	-	-	25.6	-	-	-	-
	21-END	1.6	-	4	0	8.9	4.0	6.5	-	0.9	25	0	21	-	0	-	-2.6	25	2	-	-	16.1	-	-	-	-
	MONTH	81.8	-	19	13	8.8	2.7	5.8	-	-1.1	16	2	56	-	1	-	-4.5	16	10	-	-	59.1	-	-	-	-
Lullymore Co. Kildare	1-10	38.6	-	8	7	6.1	-0.9	2.6	-	-4.5	10	8	4	-	0	-	-7.0	6	9	-	-	25.4	-	6.8	-	-
	11-20	20.4	-	5	4	8.2	1.3	4.8	-	-2.0	16	4	14	-	0	-	-7.0	17	6	-	-	22.4	-	3.1	-	-
	21-END	4.5	-	4	2	7.8	1.9	4.8	-	-2.7	25	2	12	-	0	-	-7.2	25	N/A	-	-	N/A	-	3.5	-	-
	MONTH	63.5	115	17	13	7.4	0.7	4.0	-	-4.5	10	14	31	-	0	-	-7.2	25	N/A	-	-	N/A	-	4.6	-	N/A
Kilkenny Co. Kilkenny	1-10	58.1	-	10	8	7.5	0.0	3.8	-	-4.5	6	4	10	-	0	-	-10.8	6	7	2.6	-	25.1	-	6.3	8	-
	11-20	13.7	-	5	4	8.8	2.0	5.4	-	-2.5	16	3	20	-	1	-	-9.3	16	6	4.4	-	24.8	-	2.9	4	-
	21-END	5.2	-	3	2	8.4	1.9	5.1	-	-1.5	25	2	14	-	0	-	-9.0	25	6	4.9	-	23.5	-	3.9	2	-
	MONTH	77.0	128	18	14	8.2	1.3	4.8	+0.1	-4.5	6	9	44	70	1	-	-10.8	6	19	3.9	-0.5	73.4	99	4.4	14	18
Mooncoin (Silverspring) Co. Kilkenny	1-10	38.3	-	8	8	7.6	-0.3	3.6	-	-5.4	6	4	10	-	0	-	-8.1	6	8	-	-	28.6	-	-	-	-
	11-20	24.1	-	5	3	9.0	1.4	5.2	-	-3.0	12	4	18	-	1	-	-8.7	12	6	-	-	24.2	-	-	-	-
	21-END	3.2	-	3	2	8.5	2.3	5.4	-	-2.0	25	2	16	-	0	-	-6.9	25	4	-	-	31.2	-	-	-	-
	MONTH	65.6	76	16	13	8.4	1.1	4.7	-	-5.4	6	10	44	-	1	-	-8.7	12	18	-	-	84.0	-	-	-	-
Ballinamore Co. Leitrim	1-10	81.6	-	10	9	5.5	-1.2	2.1	-	-7.2	10	6	3	-	0	-	-6.5	7	9	-	-	23.5	-	4.9	-	-
	11-20	23.0	-	7	4	8.5	1.0	4.7	-	-2.5	14	3	14	-	0	-	-6.8	16	9	-	-	19.8	-	2.5	-	-
	21-END	4.1	-	3	2	8.8	2.9	5.8	-	-0.6	25	1	17	-	0	-	-6.6	25	6	-	-	18.2	-	3.5	-	-
	MONTH	108.7	129	20	15	7.5	0.8	4.2	-	-7.2	10	10	34	-	0	-	-6.8	16	24	-	-	61.5	-	3.7	-	12
Ardee (Boharnamoe) Co. Louth	1-10	36.0	-	7	4	6.7	0.2	3.4	-	-2.7	6	5	6	-	0	-	-6.9	6	9	-	-	-	-	-	-	-
	11-20	21.1	-	4	3	8.6	1.5	5.0	-	-2.0	12	4	17	-	0	-	-6.6	11	6	-	-	-	-	-	-	-
	21-END	3.4	-	2	2	8.3	1.9	5.1	-	-2.3	25	1	14	-	0	-	-4.9	25	5	-	-	-	-	-	-	-
	MONTH	60.5	103	13	9	7.8	1.2	4.5	-	-2.7	6	10	37	-	0	-	-6.9	6	20	-	-	-	-	-	-	-

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE 1 (CONTINUED)

FEBRUARY 1988

STATION	PERIOD	RAINFALL (mm)				TEMPERATURE (°C)																BRIGHT SUNSHINE		WIND		P.E. (PENMAN) (mm)
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR										GROUND		SOIL (10cm)		TOTAL NO. OF HOURS	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS			
						MEAN MAX.	MEAN MIN.	MEAN DAILY	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.0°C	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN"	DATE	DAYS WITH GROUND FROST					MEAN DAILY	DIFFERENCE FROM AVERAGE	
Ballinrobe (Creagh) Co. Mayo	1-10	113.4	-	10	10	7.3	0.8	4.0	-	-1.6	6	3	9	-	0	-	-4.2	3	9	-	-	22.7	-	6.7	-	-
	11-20	24.8	-	6	4	8.9	1.5	5.2	-	-2.4	14	3	16	-	0	-	-5.5	20	9	-	-	22.0	-	2.8	-	-
	21-END	5.0	-	4	2	9.9	3.0	6.4	-	1.1	25	0	22	-	1	-	-5.2	24	8	-	-	25.4	-	2.0	-	-
	MONTH	143.2	149	20	16	8.7	1.7	5.2	-	-2.4	14	6	47	-	1	-	-5.5	20	26	-	-	70.1	-	4.0	-	14
Belmullet Co. Mayo	1-10	76.0	-	10	10	7.6	2.2	4.9	-	0.6	10	0	12	-	0	-	-2.9	3	6	4.3	-	18.3	-	11.3	10	-
	11-20	38.5	-	9	7	8.9	3.9	6.4	-	1.2	11	0	23	-	0	-	-2.0	14	3	5.1	-	18.4	-	6.1	4	-
	21-END	11.0	-	6	4	9.6	5.2	7.4	-	3.2	29	0	27	-	0	-	0.4	25	0	7.1	-	21.3	-	6.1	2	-
	MONTH	125.5	165	25	21	8.7	3.7	6.2	+0.5	0.6	10	0	63	91	1	-	-2.9	3	9	5.4	+0.1	58.0	78	7.9	16	32
Claremorris Co. Mayo	1-10	75.0	-	9	9	6.6	0.6	3.6	-	-1.6	6	4	7	-	0	-	-6.4	6	6	2.7	-	20.6	-	7.4	7	-
	11-20	19.5	-	6	4	9.0	1.6	5.3	-	-1.5	14	4	18	-	1	-	-5.6	16	7	4.3	-	18.4	-	4.1	4	-
	21-END	5.6	-	6	2	9.2	3.4	6.3	-	1.1	24	0	20	-	1	-	-2.9	24	3	6.0	-	17.9	-	4.4	2	-
	MONTH	100.1	130	21	15	8.2	1.8	5.0	+0.7	-1.6	6	8	45	82	1	-	-6.4	6	16	4.3	+0.3	56.9	81	5.3	13	16
Glenamoy Co. Mayo	1-10	95.1	-	10	10	6.8	1.2	4.0	-	0.0	3	0	7	-	0	-	-2.4	3	7	-	-	17.6	-	6.8	-	-
	11-20	43.0	-	9	6	8.8	2.4	5.6	-	0.1	11	0	18	-	0	-	-2.5	14	6	-	-	18.5	-	2.6	-	-
	21-END	5.5	-	5	3	9.2	4.5	6.9	-	2.2	29	0	24	-	0	-	-0.4	23	1	-	-	15.9	-	3.1	-	-
	MONTH	143.6	151	24	19	8.2	2.6	5.4	-	0.0	3	0	49	-	0	-	-2.5	14	14	-	-	52.0	-	4.2	-	13
Dunsany (Grange) Co. Meath	1-10	36.3	-	8	8	6.1	0.2	3.1	-	-2.4	7	5	5	-	0	-	-6.9	7	8	-	-	27.1	-	-	-	-
	11-20	20.5	-	6	4	8.2	1.7	5.0	-	-2.2	16	4	16	-	0	-	-5.5	12	5	-	-	22.8	-	-	-	-
	21-END	3.4	-	3	2	7.5	2.5	5.0	-	-0.4	26	1	12	-	0	-	-8.9	25	5	-	-	25.8	-	-	-	-
	MONTH	60.2	106	17	14	7.3	1.4	4.3	-	-2.4	7	10	32	-	0	-	-8.9	25	18	-	-	75.7	-	-	-	-
Clones Co. Monaghan	1-10	65.0	-	10	9	6.1	0.3	3.2	-	-2.0	6	5	5	-	0	-	-5.1	3	9	2.7	-	26.6	-	7.4	6	-
	11-20	17.7	-	8	4	8.5	1.8	5.2	-	-1.0	12	4	17	-	0	-	-6.1	14	7	4.3	-	18.4	-	4.7	3	-
	21-END	4.3	-	5	2	8.1	2.9	5.5	-	0.1	25	0	16	-	1	-	-6.5	25	4	5.1	-	17.3	-	4.3	2	-
	MONTH	87.0	132	23	15	7.6	1.6	4.6	+0.6	-2.0	6	9	38	78	1	-	-6.5	25	20	4.0	+0.3	62.3	97	5.5	11	17
Birr Co. Offaly	1-10	42.3	-	10	8	7.2	0.7	4.0	-	-1.6	6	3	9	-	0	-	-5.3	3	9	3.2	-	22.2	-	6.2	8	-
	11-20	12.8	-	4	3	8.9	1.9	5.4	-	-1.5	16	3	19	-	1	-	-6.3	16	6	4.8	-	22.0	-	2.7	3	-
	21-END	5.2	-	4	2	8.6	2.7	5.6	-	-0.5	25	1	15	-	0	-	-5.1	25	5	5.7	-	13.3	-	2.8	2	-
	MONTH	60.3	116	18	13	8.2	1.7	5.0	+0.4	-1.6	6	7	44	72	1	-	-6.3	16	20	4.5	+0.2	57.5	77	3.9	13	14

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE 1 (CONTINUED)

FEBRUARY 1988

STATION	PERIOD	RAINFALL (mm)				TEMPERATURE (°C)														BRIGHT SUNSHINE		WIND											
		AMOUNT	% OF AVERAGE	RAIN DAYS	WET DAYS	AIR							GROUND			SOIL (10cm)		TOTAL NO. OF HOURS	% OF AVERAGE	MEAN SPEED (ms <sup>-1</sup> )	DAYS WITH GALE GUSTS	P.E. (PENMAN) (mm)											
						MEAN MAX.	MEAN MIN.	MEAN DAILY	DIFFERENCE FROM AVERAGE	LOWEST MIN.	DATE	DAYS WITH AIR FROST	DEGREE DAYS ABOVE 4.4°C	% OF AVERAGE	DEGREE DAYS ABOVE 10.0°C	% OF AVERAGE	LOWEST "GRASS-MIN"						DATE	DAYS WITH GROUND FROST	MEAN DAILY	DIFFERENCE FROM AVERAGE							
Dundrum (Knockavilla) Co. Tipperary	1-10	78.1	-	8	8	6.8	0.1	3.4	-	-3.6	6	3	7	-	0	-	-5.9	7	9	-	-	-	-	-	-	-	-	-	-	-	-	-	
	11-20	21.4	-	7	5	8.6	1.2	4.9	-	-2.2	16	4	16	-	0	-	-7.1	16	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
	21-END	3.0	-	3	1	8.4	2.8	5.6	-	-0.2	22	1	16	-	0	-	-4.8	25	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	MONTH	102.5	-	18	14	7.9	1.3	4.6	-	-3.6	6	8	39	-	0	-	-7.1	16	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dungarvan (Carriglea) Co. Waterford	1-10	50.9	-	9	8	7.6	1.3	4.4	-	-1.6	7	1	10	-	0	-	-6.9	6	8	-	-	28.4	-	3.7	-	-	-	-	-	-	-	-	
	11-20	28.0	-	5	4	9.3	2.0	5.6	-	-2.2	12	5	21	-	1	-	-6.0	12	6	-	-	28.6	-	2.2	-	-	-	-	-	-	-	-	-
	21-END	6.0	-	3	3	9.0	2.9	6.0	-	-1.2	25	1	19	-	0	-	-6.1	25	5	-	-	26.6	-	2.6	-	-	-	-	-	-	-	-	-
	MONTH	84.9	88	17	15	8.6	2.0	5.3	-	-2.2	12	7	51	-	1	-	-6.9	6	19	-	-	83.6	-	2.9	-	-	-	-	-	-	-	-	10
Mullingar Co. Westmeath	1-10	51.3	-	10	9	6.3	0.1	3.2	-	-2.4	6	5	6	-	0	-	-5.4	6	9	2.4	-	24.8	-	7.1	6	-	-	-	-	-	-	-	-
	11-20	17.8	-	5	5	8.2	1.9	5.0	-	-1.4	12	2	16	-	0	-	-3.6	16	6	4.1	-	21.5	-	3.8	2	-	-	-	-	-	-	-	-
	21-END	8.7	-	5	2	7.9	2.7	5.3	-	-0.8	25	1	13	-	0	-	-4.9	25	4	5.0	-	18.3	-	3.4	2	-	-	-	-	-	-	-	-
	MONTH	77.8	130	20	16	7.4	1.5	4.5	+0.5	-2.4	6	8	35	69	0	-	-5.4	6	19	3.8	-0.1	64.6	89	4.8	10	15	-	-	-	-	-	-	-
J.F.K. Park Co. Wexford	1-10	30.0	-	9	7	7.0	0.9	4.0	-	-2.1	6	3	8	-	0	-	-8.1	6	8	-	-	23.2	-	6.1	-	-	-	-	-	-	-	-	-
	11-20	16.4	-	4	4	8.9	2.4	5.7	-	-1.1	12	2	20	-	1	-	-7.5	12	7	-	-	24.3	-	3.0	-	-	-	-	-	-	-	-	-
	21-END	5.1	-	3	1	8.2	3.0	5.6	-	-0.1	25	1	16	-	0	-	-6.1	25	7	-	-	32.9	-	2.5	-	-	-	-	-	-	-	-	-
	MONTH	51.5	63	16	12	8.1	2.1	5.1	-	-2.1	6	6	43	-	1	-	-8.1	6	22	-	-	80.4	-	4.0	-	-	-	-	-	-	-	-	19
Clonroche Co. Wexford	1-10	40.8	-	10	8	6.4	0.3	3.3	-	-2.3	7	3	6	-	0	-	-2.3	7	3	-	-	27.4	-	3.2	-	-	-	-	-	-	-	-	-
	11-20	26.7	-	6	4	8.4	2.1	5.2	-	-1.6	16	3	18	-	0	-	-1.6	16	3	-	-	24.3	-	1.7	-	-	-	-	-	-	-	-	-
	21-END	1.6	-	1	1	7.9	2.5	5.2	-	-1.9	25	1	14	-	0	-	-0.9	25	1	-	-	35.2	-	2.4	-	-	-	-	-	-	-	-	-
	MONTH	69.1	74	17	13	7.6	1.6	4.6	-	-2.3	7	7	38	-	0	-	-2.3	7	7	-	-	86.9	-	2.4	-	-	-	-	-	-	-	-	10
Johnstown Castle Co. Wexford	1-10	32.6	-	8	7	7.3	0.9	4.1	-	-0.7	1	2	8	-	0	-	-7.5	6	9	-	-	32.7	-	2.6	-	-	-	-	-	-	-	-	-
	11-20	16.3	-	4	4	9.1	2.9	6.0	-	-0.8	12	1	21	-	0	-	-5.7	12	6	-	-	34.6	-	1.5	-	-	-	-	-	-	-	-	-
	21-END	1.2	-	1	1	8.3	2.8	5.6	-	0.2	29	0	15	-	0	-	-2.8	25	6	-	-	40.6	-	1.8	-	-	-	-	-	-	-	-	-
	MONTH	50.1	63	13	12	8.2	2.2	5.2	-	-0.8	12	3	45	-	0	-	-7.5	6	21	-	-	107.9	-	2.0	-	-	-	-	-	-	-	-	13
Rosslare Co. Wexford	1-10	22.7	-	7	7	8.0	2.0	5.0	-	-0.7	7	2	14	-	0	-	-4.0	6	8	3.7	-	31.5	-	7.4	8	-	-	-	-	-	-	-	-
	11-20	13.9	-	4	4	8.6	3.6	6.1	-	0.1	12	0	22	-	0	-	-2.8	12	5	5.4	-	33.2	-	4.0	2	-	-	-	-	-	-	-	-
	21-END	2.0	-	2	2	8.0	4.2	6.1	-	1.8	25	0	17	-	0	-	-0.4	25	1	5.8	-	39.4	-	5.5	2	-	-	-	-	-	-	-	-
	MONTH	38.6	56	13	13	8.2	3.2	5.7	-0.1	-0.7	7	2	53	77	0	-	-4.0	6	14	4.9	-0.6	104.1	131	5.6	12	23	-	-	-	-	-	-	-

NOTES ON THE TABLES IN JANUARY ISSUE

TABLE 2 GLOBAL RADIATION

STATION	PERIOD	AMOUNT MJ/m <sup>2</sup>
Malin Head Co. Donegal	1-10	30.08
	11-20	26.20
	21-end	43.54
	Month	109.8
Dublin Airport Co. Dublin	1-10	39.66
	11-20	40.25
	21-end	48.87
	Month	128.78
Cahirciveen (Valentia Obs.) Co. Kerry	1-10	38.37
	11-20	51.63
	21-end	54.59
	Month	144.59
Kilkenny Co. Kilkenny	1-10	39.56
	11-20	45.34
	21-end	55.70
	Month	140.60
Belmullet Co. Mayo	1-10	28.41
	11-20	43.99
	21-end	51.16
	Month	123.56
Clones Co. Monaghan	1-10	29.77
	11-20	39.94
	21-end	41.99
	Month	111.70
Birr Co. Offaly	1-10	36.30
	11-20	44.24
	21-end	44.52
	Month	125.09

TABLE 3 POTENTIAL EVAPOTRANSPIRATION (P.E.) AND SOIL MOISTURE

STATION	PERIOD	P.E. (mm)		SOIL MOISTURE (mm)	
		Amount	Deficit	Accumulated Deficit	Surplus
Carlow (Oak Park) Co. Carlow	1-10	(-6.9)	-	0	38
	11-20	0	-	0	18
	21-end	6.6	7		
	Month	6.6			
Kinsealy Co. Dublin	1-10	4.2	-	0	14
	11-20	1.5	-	0	10
	21-end	4.4	3	3	
	Month	10.1			
Cahirciveen (Valentia Obs.) Co. Kerry	1-10	(-4.4)	-	0	87
	11-20	(-2.3)	-	0	28
	21-end	4.5	2	2	
	Month	4.5			
Ballinamore Co. Leitrim	1-10		Overflow		
	11-20	(-4.3)	-	0	28
	21-end	8.9	5	5	
	Month	8.9			
Glenamoy Co. Mayo	1-10	18.2	-	0	106
	11-20	(-8.1)	-	0	51
	21-end	1.6	-	0	3
	Month	19.8			
Johnstown Castle Co. Wexford	1-10	-8.7	-	0	41
	11-20	-4.7	-	0	21
	21-end	7.1	6	6	-
	Month	7.1			

TABLE 4 SOIL CLIMATE (MULLINGAR)

BARE SOIL TYPE	PERIOD	MEAN TEMPERATURE (°C at 100mm)			TEMPERATURE GRADIENT (to 200mm)	SOIL WATER POTENTIAL (hPa) (at depths)	
		Max.	Daily	Min.		75mm	200mm
Peat	1-10	3.40	2.50	1.57	.80	145.8	149.0
	11-20	5.00	2.56	2.53	-.08	148.6	151.9
	21-end	6.59	5.43	3.98	.25	68.8	71.2
Mineral	1-10	3.72	4.03	1.49	.38	131.8	133.3
	11-20	5.96	4.14	2.26	.12	143.2	142.9
	21-end	6.93	4.98	3.59	.09	74.0	73.9

Notes on the tables in January issue

# Annual Duration of the Grazing Season

based on mean annual rainfall and air temperature

