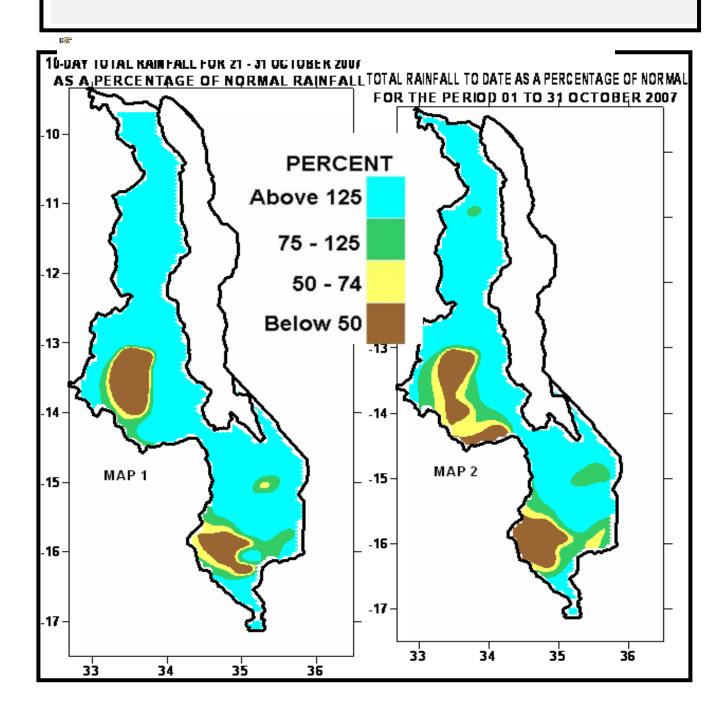


HIGHLIGHTS

- Good rainfall amounts experienced in some parts of Malawi...
- Farmers in the south and parts of the centre prompted to start planting crops...
- Spatial temporal distribution of rainfall to improve during 1 10 November ...



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10-Day Rainfall and Agrometeorological Bulletin

1. WEATHER SUMMARY

1.1 RAINFALL SITUATION

During the last ten-days of October 2007, moist and unstable air mass covered most parts of Malawi. This improved temporal and spatial rainfall distribution and amounts over most parts of the country particularly over the south and some parts of the centre. Moderate to heavy rainfall was registered in most areas. Notable 10-day total rainfall amounts of more than 100mm in the south included Nsanje Agriculture (182mm), Lujeri Estate 109mm and Nankumba Tea Agriculture 107mm.

Total rainfall amounts for the period 21 - 31October 2007 expressed as percentage of normal demonstrated very high figures in excess of 1000% in some parts of the country while cumulative rainfall amounts received since October 2007 expressed as a percentage of normal rainfall showed that significant rainfall (light blue colour on map 2) had been received in most parts of Malawi.. See Table 1.

1.2 MEAN AIR TEMPERATURE

Despite the rains, generally hot weather continued over Malawi during the period. Mean daily maximum temperatures ranged from 25.9 °C at Bvumbwe to 34.7 °C at Monkey Bay. At the same time mean daily minimum temperatures ranged from 114.1 °C at Bvumbwe to 225.6 °C at Monkey Bay..

1.3 MEAN DAILY WIND SPEEDS

Mean wind speeds at a height of two meters above the ground were still light.. The highest wind speed was reported at Chitipa (5.8m/s or 20.9.4Km/hr). See Table 2.

1.4 MEAN RELATIVE HUMIDITY

21 to 31 October 2007

There was a significant increase in moisture in the atmosphere. Most areas reported mean daily relative humidity values of over 50%. The highest was reported at Bvumbwe (72%) while the lowest was registered at Ntaja (50%).

2. AGROMETEOROLOGICAL ASSESSMENT

Good rainfall amounts fell in somet parts of the country particularly in the south during the period under review. These rains encouraged most farmers to speed up land preparations, improved water resources and soil moisture reserves. At the same time, in the south and some parts of the centre where normal dates for onset of planting rains fall within the last twenty days of November, farmers who had already finalized land preparations and had seed were prompted to start planting crops.

The main agricultural activity during the period was land preparation in readiness for the onset of the main rains which are climatologically expected from mid November for the south and some parts of the centre and in December for the north. However, sometimes the country experiences uniform onset of the main rains.

3. PROSPECTS OF 2007/08 SEASON

Most climate models suggest that during 2007/08 rainfall season, a greater part of Malawi will experience normal to above normal total rainfall amounts with an increased chance of floods.

4. OUTLOOK FOR 01 – 10 NOVEMBER 2007

A convergence ahead of pressure rises is expected to become active over southern and some parts of central Malawi. Therefore expect spatial distribution of rainfall to improve mainly over the south and some parts of central region during the first ten days of November 2007

10-Day Rainfall and Agrometeorological Bulletin 21 to 31 October 2007												
TABLE 1: DEKADAL RAINFALL FOR SELECTED STATIONS FORDEKAD 3 OF OCTOBER 2007: PERIOD 21 - 31												
STATION NAME	DEKADAL	DEKADAL	DEKADAL	TOTAL	NORMAL	TOTAL	RAINY					
	TOTAL	NORMAL	TOTAL	то	то	TODATE	DAYS					
	RAINFALL		AS %	DATE	DATE	AS %						
SOUTHERN REGION	mm	mm	NORMAL	mm	mm	NORMAL	³ 0.3 mm					
Balaka Township	59.0	18.7	316	59.0	24.0	246	3					
Bvumbwe Met.	4.7	17.0	28	4.7	31.4	15	3					
Chancellor College	67.6	18.4	367	90.1	27.8	324	3					
Chichiri Met.	20.0	20.3	99	20.0	33.6	60	3					
Chikwawa Boma	1.6	9.0	18	1.6	16.4	10	1					
Chileka Airport	14.7	18.6	79	15.2	29.0	52	2					
Chiradzulu Agric	17.8	9.6	185	42.0	20.0	210	3					
Chizunga Factory	15.0	22.9	66	30.0	42.4	71	2					
Lujeri Tea Estate	109.2	42.1	259	113.0	100.0	113	2					
Makoka Met	68.2	14.2	480	68.6	26.9	255	3					
Mimosa Met.	33.5	31.0	108	33.5	60.7	55	5					
Monkey Bay Met.	1.6	5.8	28	1.6	8.9	18	2					
Mulanje Boma	55.5	46.4	120	55.5	101.9	54	4					
Namiasi Agric	13.7	2.7	507	25.7	10.1	254	1					
Naminjiwa Agric	11.6	20.9	56	15.5	31.9	49	1					
Namwera Agric	43.0	7.9	544	43.0	14.2	303	2					
Nankumba Agric	107.3	6.3	1703	107.3	10.7	1003	3					
Nchalo Sucoma	7.0	17.1	41	7.0	27.5	25	1					
Neno Agric	35.8	25.4	141	35.8	35.8	100	3					
Ngabu Met.	25.7	13.9	185	27.3	26.4	103	2					
Nsanje Boma	181.8	13.9	1308	189.1	28.5	664	2					
Ntaja Met.	10.6	8.1	131	11.8	15.4	77	2					
Satemwa Tea Est. No.1	45.7	24.0	190	45.7	49.0	93	2					
CENTRAL REGION												
Bunda College	17.6	8.6	205	17.6	19.5	90	5					
Chileka Namitete	8.0	10.0	80	8.0	14.8	54	1					
Chitedze Met.	0.1	6.4	2	1.7	10.8	16	0					
Dowa Agric	4.0	1.3	308	4.0	2.9	138	2					
Dwangwa Sugar Corp.	8.9	4.0	223	27.9	10.7	261	2					
Kaluluma DTC	32.6	1.9	1716	32.6	4.7	694	1					
K.I.A Met	5.3	9.4	56	13.3	11.1	120	2					
Mchinji Boma	31.4	12.3	255	31.4	19.3	163	4					
Mlangeni Njolomole	36.0	13.7	263	36.0	20.7	174	1					
Ntcheu - Nkhande	18.0	12.6	143	26.5	22.6	117	2					
Ntchisi Boma	25.0	2.2	1136	25.0	3.4	735	1					
Salima Met	10.5	0.9	1167	10.5	6.1	172	2					
Dedza RTC	32.7	15.4	212	32.7	28.5	115	2					
NORTHERN REGION	-											
Baka Res. Stn.	13.0	0.6	2167	13.0	1.4	929	1					
Bolero Met	5.3	4.1	129	5.3	6.7	79	3					
Bwengu Agric.	11.3	3.3	342	11.3	6.1	185	2					
Chitipa Met	13.0	3.5	371	13.0	5.6	232	2					
Euthini Agric.	44.0	6.5	677	44.0	8.9	494	1					
Karonga Met.	14.0	0.5	2800	14.0	0.9	1556	1					
Mzimba Met	12.2	3.0	407	13.9	4.7	296	4					
Mzuzu Met.	83.7	10.8	775	91.3	34.1	268	3					
Vinthukutu Agric	21.4	3.4	629	21.4	9.6	223	2					

STATION	MAX TEMP	MIN TEMP	ABS MAX	ABS MIN	WIND SPEED	RH
	(°C)	(°C)	(°C)	(°C)	m/s	%
BVUMBWE	25.9	14.1	30.4	12.0	2.6	69
BOLERO	31.0	19.3	32.6	17.0	1.2	53
CHICHIRI	29.2	17.6	31.5	14.0	1.1	72
CHILEKA	29.6	18.9	34.5	17.6	3.4	62
NTAJA	30.6	19.6	33.6	18.2	3.0	50
CHITEDZE	29.3	16.4	31.4	14.4	1.4	60
CHITIPA	29.9	19.8	31.1	17.9	5.8	59
KARONGA	32.5	23.6	34.0	22.0	2.8	55
K.I.A.	27.1	16.1	29.0	14.2	2.3	67
ΜΑΚΟΚΑ	27.5	16.3	30.6	14.4	1.5	66
MIMOSA	30.2	16.9	35.5	14.6	1.5	69
MONKEY BAY	34.7	25.6	33.8	21.3	3.1	56
MZIMBA	27.4	18.1	29.5	17.2	1.4	62
MZUZU	26.4	16.2	28.5	11.8	2.3	71
NGABU	34.1	22.2	39.8	19.6	3.7	53
SALIMA	31.5	22.2	34.7	21.0	3.2	55

TABLE 2: AGROMETEOROLOGICAL PARAMETERSFOR DEKAD 3 OF OCTOBER 2007

Glossary of some terms on this table

- RH = Relative Humidity
- Mean Temperature of the day =(Max of the day + Min of the same day)/2
- ABS Max (Min) = Absolute Maximum (minimum) is the highest (lowest) of maximum (minimum) temperatures observed for a given number of days (calendar month) of a specified period of months (years).
- To convert Meters Per Second (mps) to Kilometers per hour (Km/hr) = mpsx3.6