# **10-Day Rainfall & Agromet Bulletin**



**Department of Meteorological Services** 

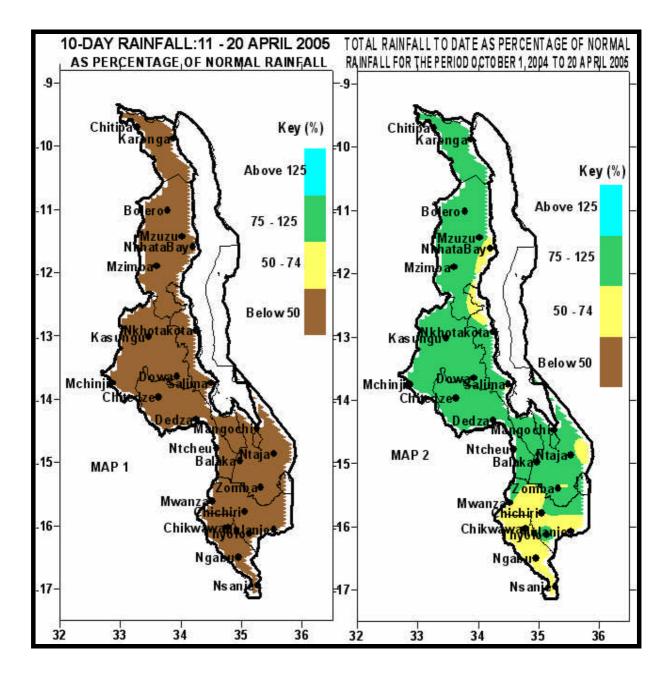


Period: 11 – 20 April 2005

Season: 2004/2005 Release date: 22 April 2005 Issue No.20

# HIGHLIGHTS

- Dry conditions persisted in most areas during 11 20 April...
- Persistent dry conditions to negatively affect winter production ...
- Dry weather to persist in most parts during 21 30 April 2005...



## . WEATHER SUMMARY

### 1.1 RAINFALL

During the second 10-days of April 2005, a ridge of high pressure from the south intensified over Malawi and this suppresed the development of rain clouds. As a result the entire country was even drier than during the first 10-days of April 2005. Very few areas mainly over the centre and north received some drops of rain. These areas in the centre included Chitedze where 2.2mm was recorded, Natural Resources College 2.8mm and Dwangwa 2.0mm while in the north Karonga recorded 12.0mm, Nkhata Bay 11.4mm and Mzuzu 9.9mm. Most areas reported nil rainfall throughout the period indicating an early cessation of the main rainfall season. Normally the main rainfall season ends between end of April and early May. During the current season, however, many parts of Malawi have not received significant rains since end of January 2005.

10-day rainfall totals as a percentage of normal indicates dry conditions existed over Malawi.

Seasonal rainfall from 1<sup>st</sup> October 2004 up to 20<sup>th</sup> April 2005 on Map 2 and in Table 1 indicates that most areas of Malawi have received between 75 and 125% of the expected rainfall despite a prolonged dry spell since February. This was because the first half of the rainfall season was good with many areas registering normal to above normal rainfall. However, the cumulative rainfall map still indicates that below normal rainfall has been received in some parts of Malawi particularly in the south and some parts of lakeshore districts of Nkhotakota and Nkhata Bay. Areas that have received much below normal cumulative rainfall include Dwangwa (55%), Chikwawa (56%) in Shire Valley, Chileka Airport (57%) and Nkhata Bay (60%) in the north. (See Map 2 and Table 1 for more details.

[Note: Normal = 75 - 125%, above normal = ? 125\%, below normal = ? 75\%, extremely below normal = ? 50%]

#### MEAN AIR TEMPERATURE

Mean maximum temperatures over the country indicated that hot temperatures continued in most pasts of Malawi during the second 10-days of April 2005. Observed mean maximum temperature ranged between 25°C and 35°C. Higher mean maximum temperatures above 30°C were recorded in Shire valley and along the lakeshore. The highest extreme value of 38.2°C was recorded at Ngabu.

#### . MEAN DAILY WIND SPEEDS

Mean daily wind speeds at a height of 2 meters above ground were generally light. The average

11 to 20 April 2005

values ranged from 0.5m/s (1.8km/hr) at Chitedze to 3.0m/s (10.8km/hr) at Chileka Airport. See Table 2 for more details.

#### **MEAN RELATIVE HUMIDITY**

Mean Relative Humidity values during the period ranged from 53% at Chileka Airport in the south to 80% at Mzuzu in the north giving a 10-day national average of 64%.

#### . AGROMETEOROLOGICAL ASSESSMENT

Dry conditions experienced during the period uncer review were good for drying and harvesting of matured crops over the country. The harvesting of maize in the south and some parts of the centre is almost through while elsewhere the crop is at drying and harvesting stages.

There are two main factors that have affected summer crop production this season. These include fertilizer shortages during the early part of the season and severe dry spell leading to drought that has covered the greater part of southern half of Malawi.

As reported in our previous report, current persistent dry conditions will have negative impacts on the winter cropping season. Most river Dambos will not have enough residual soil moisture to support planting of most winter crops. This will eventually affect production and hectarage figures for various winter crops this season.

The districts that have been worst affected by the drought in the south include Nsanje and Chikwawa in lower Shire valley, Mwanza, Neno, Balaka, Mangochi, Machinga, Phalombe and some parts of Blantyre and Mulanje. Worst hit among the central districts are Dedza, Ntcheu, Mchinji, Salima, Dowa and Nkhotakota. In the north Rumphi west, Karonga (central part) and the southern part of Nkhata Bay and some parts Mzimba districts have also affected.

#### . FORECAST FOR – APRIL

The main rain belt is over East Africa and is expected to continue moving northwards. Meanwhile, fairly moist easterly airflow is expected to affect lakeshore areas and northern highlands. Therefore expect few rainshowers mainly over the north and along the northern half of the lakeshore while southern and central areas are expected to remain mostly dry as inland high over Transvaal region of South Africa continues suppressing cloud development in the region during the outlook period.

Brumbwe Met.         0.0         26.1         0         727.3         1043.5         70         0           Chancellor College         0.0         26.2         0         1017.2         1380.0         74         0           Chichiri Met.         0.0         21.1         0         853.8         1053.7         81         0           Chickwa Boma         0.0         13.6         0         493.8         722.8         56         0           Chikkea Airport         0.0         12.4         0         491.2         697.7         70         0           Liyeri Tea Estate         0.0         71.2         0         742.7         821.7         90         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         8.5         0         810.9         912.7         89         0           Mulanje Boma         0.0         63.0         989.3         157.7         4         63         0           Mulanje Boma         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0	<u> </u>	1 – 20						
RAINFALL         AS %         DATE         DATE         NORMAL         NORMAL         mm         NORMAL         *0.3 mm           Buumbwe Met.         0.0         26.1         0         727.3         1043.5         70         0           Chancellor College         0.0         26.2         0         1017.2         1380.0         74         0           Chichiri Met.         0.00         21.1         0         853.8         1053.7         81         0           Chichiri Met.         0.0         13.6         0         493.4         874.6         57         0           Kainthula Res. Stn.         0.0         12.5         0         742.7         821.7         90         0           Lujeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Mangochi Met.         0.0         8.5         0         810.9         912.7         89         0           Munkag Bay Met.         0.0         63.5         0         810.9         917.7         63         0           Mulanje Boma         0.0         18.0         0         755.3         60         0         0           Mulan	STATION NAME	DEKADAL	DEKADAL	DEKADAL	TOTAL	NORMAL	TOTAL	RAINY
SOUTHERN REGION         mm         mm         NORMAL         mm         mm         NORMAL         *0.3 mm           Bvumbwe Met.         0.0         26.1         0         727.3         1043.5         70         0           Chancelor College         0.0         26.2         0         1017.2         1380.0         74         0           Chikwawa Boma         0.0         13.6         0         493.8         1053.7         81         0           Chikwawa Boma         0.0         11.6         0         495.4         874.6         57         0           Chikwa Born         0.0         112.4         0         491.2         697.7         70         0           Liyonde Township         0.0         12.5         0         742.7         821.7         90         0           Liyeir Tae Estate         0.0         73.2         0         665.2         817.3         81         0           Mimosa Met.         0.0         85.5         0         810.9         912.7         89         0           Mulanje Boma         0.0         18.0         0         394.7         668.2         59         0           Nyabu Met.         0.0 <td></td> <td>TOTAL</td> <td>NORMAL</td> <td>TOTAL</td> <td>то</td> <td>то</td> <td>TO DATE</td> <td>DAYS</td>		TOTAL	NORMAL	TOTAL	то	то	TO DATE	DAYS
Brumbwe Met.         0.0         26.1         0         727.3         1043.5         70         0           Chancellor College         0.0         26.2         0         1017.2         1380.0         74         0           Chichiri Met.         0.0         21.1         0         853.8         1053.7         81         0           Chickwa Boma         0.0         13.6         0         493.8         722.8         56         0           Chikkea Airport         0.0         12.4         0         491.2         697.7         70         0           Liyeri Tea Estate         0.0         71.2         0         742.7         821.7         90         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         8.5         0         810.9         912.7         89         0           Mulanje Boma         0.0         63.0         989.3         157.7         4         63         0           Mulanje Boma         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0		RAINFALL		AS %	DATE	DATE	AS %	
Chancellor College         0.0         26.2         0         1017.2         1380.0         74         0           Chichir Met.         0.0         21.1         0         853.8         1053.7         81         0           Chikewa Boma         0.0         13.6         0         495.4         874.6         57         0           Kasinthula Res. Stn.         0.0         12.4         0         491.2         697.7         70         0           Liveorde Township         0.0         12.5         0         742.7         821.7         90         0           Lujeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Margochi Met.         0.0         9.2         0         665.2         817.3         81         0           Mulanje Boma         0.0         65.3         0         810.9         912.7         89         0           Mulanje Boma         0.0         65.0         817.3         1401.9         65         0           Mulanje Boma         0.0         18.9         0         750.6         974.3         77         0           Nyabu Met.         0.0         17.	SOUTHERN REGION	mm	mm	NORMAL	mm	mm	NORMAL	<sup>з</sup> 0.3 mm
Chichiri Met.         0.0         21.1         0         853.8         1053.7         81         0           Chikwawa Borna         0.0         13.6         0         403.8         772.8         56         0           Chikwa Airport         0.0         15.9         0         495.4         874.6         57         0           Liwonde Township         0.0         12.4         0         491.2         697.7         70         0           Liyeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         81.3         0         917.3         1401.9         65         0           Mulanje Boma         0.0         85.5         0         810.9         912.7         89         0           Nyabu Met.         0.0         18.9         0         795.6         977.4         63         0           Nyabu Met.         0.0         17.4         0         450.5         755.3         60         0           Nyabu Met.         0.0         1	Bvumbwe Met.	0.0	26.1	0	727.3	1043.5	70	0
Chikwawa Boma         0.0         13.6         0         403.8         722.8         56         0           Chikek Airport         0.0         16.9         0         495.4         874.6         57         0           Kasinthula Res. Stn.         0.0         12.4         0         491.2         689.7.7         70         0           Lujeri Tea Estate         0.0         12.5         0         742.7         821.7         90         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         9.2         0         665.2         817.3         81         0           Mimosa Met.         0.0         51.3         0         917.3         1401.9         65         0           Mulanje Boma         0.0         85.0         0         899.3         157.7         6         0         0         Natal Met.         0.0         18.0         949.7         668.2         59         0         0         Ntala Met.         0.0         16.0         0         725.8         861.6         82         0         0         0         0         0         0	Chancellor College	0.0	26.2	0	1017.2	1380.0	74	0
Chileka Airport         0.0         16.9         0         495.4         874.6         57         0           Kasinthula Res. Stn.         0.0         12.4         0         491.2         697.7         70         0           Lujeri Tea Estate         0.0         12.5         0         742.7         821.7         90         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         61.3         0         917.3         14101.9         65         0           Mimosa Met.         0.0         63.3         0         989.3         157.4         63         0           Mulanje Boma         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0         18.0         0         394.7         668.2         59         0           Ngabu Met.         0.0         16.0         0         725.3         60         0         0           Ngabu Met.         0.0         12.9         0         636.9         831.4         77         0           Thyolo Borna         0.0         30.	Chichiri Met.	0.0	21.1	0	853.8	1053.7	81	0
Kasinthula Res. Stn.         0.0         12.4         0         491.2         697.7         70         0           Liwonde Township         0.0         12.5         0         742.7         821.7         90         0           Lujeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         51.3         0         917.3         1401.9         65         0           Monkey Bay Met.         0.0         63.0         0         989.3         1577.4         63         0           Mulanje Boma         0.0         63.0         0         394.7         668.2         59         0           Nchalo Sucoma         0.0         17.4         0         450.5         755.3         60         0         0           Ngabu Met.         0.0         17.4         0         636.9         831.4         77         0           Toyalo Met.         0.0         30.7         0         979.9         1119.9         87         0           Toyalo Boma	Chikwawa Boma	0.0	13.6	0	403.8	722.8	56	0
Liwonde Township         0.0         12.5         0         742.7         821.7         90         0           Lujeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         9.2         0         665.2         817.3         81         0           Minosa Met.         0.0         51.3         0         917.3         1401.9         65         0           Mulanje Borna         0.0         63.0         0         989.3         1577.4         63         0           Mwanza Borna         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         17.4         0         450.5         755.3         60         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Comba RTC         0.0         22.2<	Chileka Airport	0.0	16.9	0	495.4	874.6		0
Lujeri Tea Estate         0.0         70.2         0         1180.9         1920.7         61         0           Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         51.3         0         917.3         1401.9         65         0           Minkey Bay Met.         0.0         63.0         0         989.3         157.4         63         0           Mularje Borna         0.0         68.5         0         989.3         157.4         63         0           Nehalo Sucoma         0.0         18.0         0         394.7         668.2         59         0           Nchalo Sucoma         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         17.4         0         450.5         755.3         60         0         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0         0           Comba RTC		0.0	12.4	0	491.2	697.7	70	0
Makoka Met         0.0         13.2         0         803.6         984.7         82         0           Mangochi Met.         0.0         9.2         0         665.2         817.3         81         0           Mimosa Met.         0.0         51.3         0         917.3         1401.9         65         0           Monkey Bay Met.         0.0         68.5         0         810.9         912.7         89         0           Mulanje Boma         0.0         68.0         0         989.3         1577.4         63         0           Mulanje Boma         0.0         18.0         0         394.7         668.2         59         0           Ngabu Met.         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Zomba RTC         0.0         32.3         0         673.0         1119.9         87         0           Chitedze Met.         2.2         14.9	Liwonde Township	0.0	12.5		742.7	821.7	90	0
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Mulanje Boma         0.0         63.0         0         989.3         1577.4         63         0           Mwanza Boma         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0         18.9         0         394.7         668.2         59         0           Ngabu Met.         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         16.0         0         725.8         881.6         82         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Zomba RTC         0.0         32.3         0         1137.9         1190.7         96         0           CENTRAL REGION         2.2         14.9         15         793.5         897.0         88         1           Dedza Met         0.0         18.3         0         703.4         926.2         76         0           Dwangwa Sugar Corp.         2.0         74.6								
Mwanza Boma         0.0         18.9         0         750.6         974.3         77         0           Nchalo Sucoma         0.0         18.0         0         394.7         668.2         59         0           Ngabu Met.         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         16.0         0         725.8         881.6         82         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Zomba RTC         0.0         30.7         0         979.9         1119.9         87         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           Central REGION								
Nchalo Sucoma         0.0         18.0         0         394.7         668.2         59         0           Ngabu Met.         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         16.0         0         725.8         881.6         82         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Thyolo Met         0.0         30.7         0         979.9         1119.7         96         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           Chitedze Met         2.2         14.9         15         793.5         897.0         88         1           Dedza Met         0.0         18.3         0         703.4         926.2         76         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K1.A. Met.         0.0         3.5								
Ngabu Met.         0.0         17.4         0         450.5         755.3         60         0           Ntaja Met.         0.0         16.0         0         725.8         881.6         82         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Thyolo Met         0.0         32.3         0         673.0         1123.7         60         0           Zomba RTC         0.0         32.2         0         1137.9         1119.9         87         0           Comba RTC         0.0         2.2         0         1137.9         1190.7         96         0           CENTRAL REGION           16.3         703.4         926.2         76         0           Deva Agric         0.0         0.0         0         746.4         862.1         87         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2         K.1.A. Met.         0.0         12.9         0         <								
Naja Met.         0.0         16.0         0         725.8         881.6         82         0           Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Thyolo Met         0.0         32.7         0         979.9         1119.9         87         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           CENTRAL REGION								
Toleza Farm         0.0         12.9         0         636.9         831.4         77         0           Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Thyolo Met         0.0         30.7         0         979.9         1119.9         87         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           CENTRAL REGION	0							
Thyolo Boma         0.0         32.3         0         673.0         1123.7         60         0           Thyolo Met         0.0         30.7         0         979.9         1119.9         87         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           CENTRAL REGION								
Thyolo Met         0.0         30.7         0         979.9         1119.9         87         0           Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           CENTRAL REGION								
Zomba RTC         0.0         22.2         0         1137.9         1190.7         96         0           CENTRAL REGION								
CENTRAL REGION         1         15         793.5         897.0         88         1           Dedza Met         0.0         18.3         0         703.4         926.2         76         0           Dowa Agric         0.0         0.0         0         746.4         862.1         87         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K.I.A. Met.         0.0         3.5         0         870.0         823.7         106         0           Mlangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4								
Chitedze Met.         2.2         14.9         15         793.5         897.0         88         1           Dedza Met         0.0         18.3         0         703.4         926.2         76         0           Dowa Agric         0.0         0.0         0         746.4         862.1         87         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K.I.A. Met.         0.0         3.5         0         870.0         823.7         106         0           Mlangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Netheis Boma         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0 </td <td></td> <td>0.0</td> <td>22.2</td> <td>0</td> <td>1137.9</td> <td>1190.<i>1</i></td> <td>96</td> <td>0</td>		0.0	22.2	0	1137.9	1190. <i>1</i>	96	0
Dedza Met         0.0         18.3         0         703.4         926.2         76         0           Dowa Agric         0.0         0.0         0         746.4         862.1         87         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K.I.A. Met.         0.0         3.5         0         870.0         823.7         106         0           Mangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Salima Met         0.0         17.0         0         767.8         862.2         89         0           Dedza RTC         0.0         64.4         0         795.4         973.9         82         0           NORTHERN REGION         Imagawa				45	700 5	007.0		
Dowa Agric         0.0         0.0         746.4         862.1         87         0           Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K.I.A. Met.         0.0         3.5         0         870.0         823.7         106         0           Mlangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntcheu - Nkhande         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION								
Dwangwa Sugar Corp.         2.0         74.6         3         740.5         1358.4         55         2           K.I.A. Met.         0.0         3.5         0         870.0         823.7         106         0           Mlangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntcheu - Nkhande         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION								
K.I.A. Met.       0.0       3.5       0       870.0       823.7       106       0         Mlangeni Njolomole       0.0       12.9       0       919.1       983.8       93       0         Natural Res. College       2.8       15.6       18       901.1       837.3       108       1         Nkhotakota Met       0.0       61.3       0       1115.1       1429.5       78       0         Ntcheu - Nkhande       0.0       19.2       0       1045.4       1050.4       100       0         Ntcheu - Nkhande       0.0       17.0       0       767.8       862.2       89       0         Salima Met       0.0       38.6       0       860.1       1247.2       69       0         Dedza RTC       0.0       6.4       0       795.4       973.9       82       0         NORTHERN REGION								
Mlangeni Njolomole         0.0         12.9         0         919.1         983.8         93         0           Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntcheu - Nkhande         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION              0								
Natural Res. College         2.8         15.6         18         901.1         837.3         108         1           Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntcheu - Nkhande         0.0         17.0         0         767.8         862.2         89         0           Ntchisi Boma         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION                0         0           Bolero Met         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         16.7         0         1078.5         970.2         111         0           Karonga Met.								
Nkhotakota Met         0.0         61.3         0         1115.1         1429.5         78         0           Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntchisi Boma         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION                    Bolero Met         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         12.5         0         926.4         1096.6         84         0           Chitipa Met         0.0         16.7         0         1078.5         970.2         111         0           Karonga Met.         12.0         69.2         17         1067.4         1015.7         105         3           Mzimba Met         0								
Ntcheu - Nkhande         0.0         19.2         0         1045.4         1050.4         100         0           Ntchisi Boma         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION               0								
Ntchisi Boma         0.0         17.0         0         767.8         862.2         89         0           Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION                    Bolero Met         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         16.7         0         1078.5         970.2         111         0           Karonga Met.         12.0         69.2         17         1067.4         1015.7         105         3           Mzimba Met         0.0         14.8         0         928.4         874.9         106         0           Mzuzu Met.         9.9								-
Salima Met         0.0         38.6         0         860.1         1247.2         69         0           Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION                  0           Bolero Met         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         39.9         0         926.4         1096.6         84         0           Chitipa Met         0.0         16.7         0         1078.5         970.2         111         0           Karonga Met.         12.0         69.2         17         1067.4         1015.7         105         3           Mzimba Met         0.0         14.8         0         928.4         874.9         106         0           Mzuzu Met.         9.9         67.0         15         932.8         1124.9         83         2								
Dedza RTC         0.0         6.4         0         795.4         973.9         82         0           NORTHERN REGION <th< th=""> <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<></th<>								
NORTHERN REGION         0         12.5         0         658.6         723.5         91         0           Bolero Met         0.0         12.5         0         658.6         723.5         91         0           Chikangawa forest         0.0         39.9         0         926.4         1096.6         84         0           Chitipa Met         0.0         16.7         0         1078.5         970.2         111         0           Karonga Met.         12.0         69.2         17         1067.4         1015.7         105         3           Mzimba Met         0.0         14.8         0         928.4         874.9         106         0           Mzuzu Met.         9.9         67.0         15         932.8         1124.9         83         2								
Bolero Met0.012.50658.6723.5910Chikangawa forest0.039.90926.41096.6840Chitipa Met0.016.701078.5970.21110Karonga Met.12.069.2171067.41015.71053Mzimba Met0.014.80928.4874.91060Mzuzu Met.9.967.015932.81124.9832		0.0	0.1			0.0.0		Ť
Chikangawa forest0.039.90926.41096.6840Chitipa Met0.016.701078.5970.21110Karonga Met.12.069.2171067.41015.71053Mzimba Met0.014.80928.4874.91060Mzuzu Met.9.967.015932.81124.9832		0.0	12.5	0	658.6	723.5	91	0
Chitipa Met0.016.701078.5970.21110Karonga Met.12.069.2171067.41015.71053Mzimba Met0.014.80928.4874.91060Mzuzu Met.9.967.015932.81124.9832								
Karonga Met.12.069.2171067.41015.71053Mzimba Met0.014.80928.4874.91060Mzuzu Met.9.967.015932.81124.9832								
Mzimba Met         0.0         14.8         0         928.4         874.9         106         0           Mzuzu Met.         9.9         67.0         15         932.8         1124.9         83         2								
Mzuzu Met. 9.9 67.0 <b>15</b> 932.8 1124.9 <b>83</b> 2								
NKNataBay Met.   11.4   91.1   <b>13</b>   887.7   1490.8   <b>60</b>   3	NkhataBay Met.	11.4	91.1	13	887.7	1490.8	60	3

#### TABLE 1: DEKADAL RAINFALL FOR SELECTED STATIONS FOR **DEKAD 2 OF APRIL 2005: PERIOD 11 – 20**

STATION	MAX TEMP	MIN TEMP	ABS MAX	ABS MIN	WIND SPEED	RH
	(°C)	(°C)	(°C)	(°C)	m/s	%
BVUMBWE	27.5	12.7	20.5	11.2	1.6	74
BOLERO	28.8	15.9	30.7	13.9	1.4	71
CHILEKA	30.0	18.1	33.2	16.5	3.0	53
NTAJA	30.0	18.4	32.0	16.5	1.9	68
CHITEDZE	29.0	14.6	29.9	12.9	0.5	55
CHITIPA	27.1	17.6	28.7	15.6	3.1	70
DEDZA	25.0	14.4	26.5	12.0	1.2	58
KARONGA	30.2	21.9	32.2	20.8	2.1	72
KIA	28.1	13.1	28.9	10.9	1.5	62
ΜΑΚΟΚΑ	29.0	14.6	30.2	12.3	1.0	57
MANGOCHI	32.6	18.8	35.0	17.0	1.4	60
MIMOSA	31.0	14.6	33.3	11.8	1.3	64
MONKEY BAY	31.9	20.7	33.0	18.3	1.7	54
MZIMBA	27.9	16.4	29.7	14.4	1.0	64
MZUZU	25.0	14.2	26.8	11.4	1.6	80
NGABU	35.1	21.2	38.2	20.0	2.3	55
NKHATA BAY	29.8	18.7	32.4	16.3	2.0	74
SALIMA	30.1	20.2	32.0	18.0	1.9	59
THYOLO	28.6	14.6	30.8	12.5	1.0	70

# **TABLE 2: AGROMETEOROLOGICAL PARAMETERS** FOR DEKAD 2 OF APRIL 2005

#### Glossary of some terms on this table

RH = Relative Humidity ٠

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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 •