

# Ministry of Natural Resources, Energy and Mining Department of Climate Change and Meteorological Services

# 10-day Weather and Agrometeorological Bulletin

Ro wise he weather.

In support of national early warning systems and food security

Period: 11 – 20 February 2016 Season: 2015/2016

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#### **HIGHLIGHTS**

- Excessive rains led to flooding of Kasito River in Mzimba north ...
- Prolonged dry spells reduce chances of good harvest in 2015/16 season...
- Slight rainfall recovery expected in the south during 21 to 29 February 2016 ...

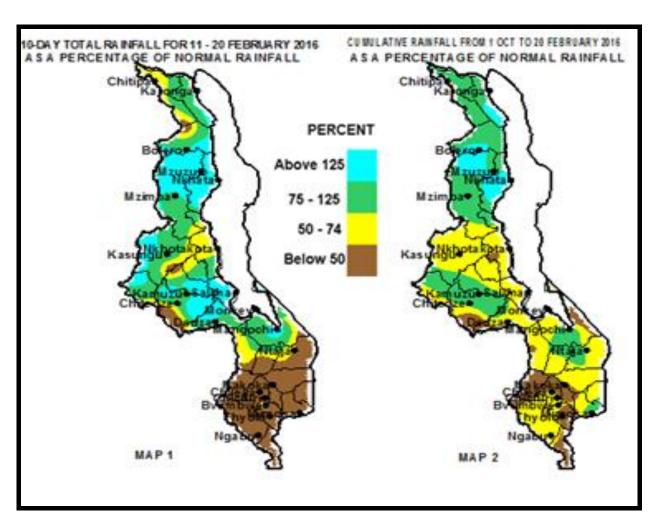


Figure 1: Rainfall Maps for 11 to 20 February 2016

#### 1.0 WEATHER SUMMRY

During the period 11 to 20 February 2016, the main rain belt was active over northern and central areas of Malawi. As a result consistent moderate to heavy rainfall was experienced over most areas in northern and central Malawi while the most areas in extreme southern Malawi (Brown colour in Map 1 in Figure 1) continued to experience low rainfall and prolonged dry spells throughout the period.

#### 1.1 RAINFALL SITUATION

During the period 11 to 20th February 2016, consistent moderate to heavy rainfall fell over most areas in northern and central Malawi. As a result many stations had reported significant above average cumulative rainfall amounts. Rainfall amounts of 125mm or more in northern Malawi were reported at Zombwe Agric which had recorded 162mm in seven days, Euthini Agric had accumulated 147mm in five days, Bwengu Agric reported 130mm, Chintheche Agric in Nkhata Bay had 154mm in four days while Rumphi Agric had recorded 128mm in seven days. These excessive rains in Mzimba north caused flooding of Kasito River. In central region such high rainfall amounts were only reported at Nathenje Agric (173mm). In contrast some areas in extreme southern parts of Malawi had experienced low rainfall and prolonged dry spells for more than twenty consecutive days. The areas that have been worst hit by prolonged dry spells are in Nsanje district and include Nsanje Boma and Makhanga. More details are in Table 1.

Map 2 in Figure 1 shows cumulative rainfall performance during the period October 2015 up to 20 February 2016. The map indicates that less than average rainfall (yellow and brown colours) has been received in most parts of southern and central Malawi and more rainfall has been received in northern Malawi. Refer to Map 2 and Table 1 for more details.

#### 1.3 AIR TEMPERATURE

During the second ten days of February 2016 hot weather was experienced over most areas in Malawi. The average daily maximum temperatures had ranged from 25.6°C at Dedza to 37.2°C at Ngabu in Chikwawa district. The average minimum temperatures were between 16.7°C and 25°C at Dedza and Ngabu respectively. The highest maximum temperature was 38.5°C recorded at Ngabu in Chikwawa while the lowest temperature was 16.7°C reported at Dedza. For more details refer to Table 2.

#### 1.4 WIND SPEEDS

During the period 11 to 20 February 2016 daily average wind speeds measured at a height of two metres above the ground level across Malawi had ranged from 1.4Km per hour at Mangochi to 9.4km per hour at Chileka International Airport. More details are in Table 2.

#### 1.5 RELATIVE HUMIDITY

During the period 11 to 20 February 2016, relatively moist air had covered Malawi. The daily average relative humidity values had ranged from 57% at Ngabu in Chikwawa district to 81% at Chitipa and Mzuzu Airport Meteorological Offices. Details are on the Table 2.

#### 1.6 SUNSHINE HOURS

Season: 2015-2016

The mean durations of bright sunshine hours in Malawi were on average between 6 and 9 hours. The highest mean sunshine hours was recorded in lower Shire districts of Nsanje and Chikwawa. Details are on the Table 2.

### 2. AGROMETEOROLOGICAL ASSESSMENT

During the period 11 to 20 February 2016 consistent good rainfall was confined to northern and central Malawi while low rainfall and prolonged dry spells continued to negatively affect agricultural production in some parts of southern Malawi. Good rains that fell in northern and most parts of central Malawi had supported growth and development of crops, improved water availability, soil moisture reserves and pasture availability. However, high rainfall amounts were reported to have caused flooding of Kasito River and destruction of property including washing away of crop fields in Mzimba north. In contrast, low rainfall and prolonged dry spells that persisted in most parts of southern Malawi had caused soil moisture stress and wilting of crops. In northern half of Malawi maize crop was reported doing well between vegetative and maturity stages.

The official crop production estimates from Ministry of Agriculture, Irrigation and Water Development (MoAIWD) revealed that this season maize production to be lower by 2.0 percent. The first round of 2015/16 Agriculture Production Estimates Survey has projected the national maize production at 2,719,425 metric tons, 2.0 percent lower than the 2014/15 final round estimate of 2,776,277 metric tons. The reduction has been attributed to negative impacts prolonged dry spells.

# 3. PROSPECTS FOR 2015-2016 RAINFALL SEASON

Most climate models predict that El Nino conditions are slowly weakening. However, rainfall outlook for the 2015-2016 season suggest higher than usual chances that northern half of Malawi is likely to receive average to above average rainfall amounts while the southern half of Malawi is expected to receive below average rainfall amounts during the period January to March (JFM) 2016.

#### 4. OUTLOOK FOR 21 - 29 FEBRUARY 2016

Models for short and medium range rainfall forecasts suggest that a weak rain belt is likely to oscillate over Malawi during the period 21 to 29<sup>th</sup> February 2016. Therefore expect a slight rainfall recovery over southern Malawi during the last days of February 2016.

TABLE 1: DEKADAL RAINFALL FOR SELECTED STATIONS FOR 11 TO 20 FEBRUARY 2016

Masambanjati Agric         22.1         95.3         23         455.9         873.1         52         3           Mimosa Met.         38.7         71.9         54         735.3         939.7         78         3           Mpemba Vet         49.5         68.0         73         460.7         793.9         58         2           Mulanje Boma         9.6         86.9         11         1037.6         1153.9         90         1           Mwanza Boma         22.7         66.0         34         270.4         723.1         37         2           Naminjiwa Agric         4.9         71.3         7         466.0         709.5         66         2           Neno Agric         17.4         68.8         25         320.0         790.5         40         2	ADD	RAINFALL STATION	ACTUAL DEKADAL TOTAL RAINFALL (mm)	DEKADAL NORMAL (EXPECTED) RAINFALL (mm)	ACTUAL TOTAL AS PERCENTAGE OF NORMAL (EXPECTED) RAINFALL	ACTUAL TOTAL RAINFALL TODATE (mm)	NORMAL (EXPECTED) RAINFALL TODATE (mm)	ACTUAL TODATE AS PERCENTAGE OF NORMAL (EXPECTED) RAINFALL	RAINY DAYS ≥ 0.3 mm
Charge Net	KARONGA								
Injunction	III III O								
MZUZU    Patrice   Patrice									
MZUZU									
Descriptor Agric.   178.0   60.2   198.0   60.37   531.9   188   6   6   6   6   79.0   6   79.0   4   185   7   7   7   7   6   7   1   1   1   1   1   1   1   1   1	MOTIONI	·							
Chilangere front	MZUZU								
Chimberle Agric									
Favoration Agric		Chelinda ( Nyika)	17.0	81.0	21	718.9	740.9	97	4
Fullion Agric		Chintheche Agric	154.2	77.4		1397.3	809.1	173	4
Money Res. Stir   87-2   66.0   133   439-7   571-3   72   6 6		Ekwendeni Agric.				470.8			
Manus Met									
Maran Met.   101.8   66.3   1400   767.4   591.2   139   8   8   Nhankhy Met.   101.8   66.5   62.1   980   552.2   66.4   125   5   5   125									
Nicharlasy Mer.									
Rumph   Homa   138.2   68.2   1977   723.7   494.8   146   7									
Zontwo Agric									
Name									
Resurge Mer	KACHNCH								
Linux   1,000   1,00	NASUNGU	- U							
Molomo Agric									
Mching Boma		Malomo Agric				267.0	581.5		
Manda Met									
Mynomia Agric									
Minist Research   85.4   72.3   118   369.4   62.49   59.9   4   48.18   500.3   94   47.7   830.1   58   7   7   7   7   7   7   7   7   7									
Nichisi Boma									
Designer   31.2									
Liftway									·
Salima Met	SALIMA								
Chileka Mamiete									
Chiedze Met.   47.2   57.7   82   504.7   602.6   84   5     Drozofi Forest   4.6.9   70.9   66   517.3   707.4   73.3   5     K.I.A. Met   53.6   61.9   87   595.5   586.1   102   6     Kasaya Agric   106.2   63.6   167   611.6   668.8   91   2     Minageni Rylomole   34.1   87.2   39   515.5   680.8   76   4     Minageni Rylomole   34.1   87.2   39   515.5   680.8   76   4     Makataka Ariwing   31.0   62.2   50   112.4   552.1   23   5     Nathenje Agric   173.5   73.4   236   713.8   589.5   121   4     Dedra RTC - Met   55.2   68.8   80   451.3   722.4   62   6     Dedra RTC - Met   55.2   68.8   80   451.3   722.4   62   6     Dedra RTC - Met   55.2   68.8   80   451.3   727.4   62   6     Glaklaka Township   14.6   46.6   31   397.7   631.8   63   1     MACHINGA   Balaka Township   14.6   68.2   7   387.2   669.5   58   1     Milyinjii (Makanjia)   83.0   62.7   132   355.9   661.0   55   4     Makoka Met   31.4   63.1   21   320.2   703.2   46   4     Makoka Met   31.4   63.1   21   320.2   703.2   46   4     Makoka Met   45.4   63.1   21   320.2   703.2   46   4     Maninai Agric   45.1   50.6   89   235.4   717.0   36   3     Namwern Agric   36.4   61.7   59   255.4   717.0   36   3     Namwern Agric   36.4   61.7   59   255.4   717.0   36   3     Namwern Agric   25.7   57.4   45   532.9   668.8   53   2     Plutlah Agric   25.7   57.4   45   532.9   668.8   53   2     Plutlah Agric   25.7   57.4   45   532.9   65.8   53   2     Droba Agric   36.4   67.3   88.5   55.4   77.3   77.1   37.4   37.4   37.4   37.4   38.7	LILONGWE								
K.I.A. Met	LILUNGWE								
Kasiya Agric		Dzonzi Forest	46.9	70.9	66	517.3	707.4	73	5
Magnen Njohmole		K.I.A Met				595.5			
Mastanka Arivving									
Nathenje Agric									
Dedux RTC - Met									
Balaka Township									
Chinkeo Agric   8.9   65.1   14   419.7   738.9   577   2   2   2   2   2   2   2   2   2									
Chingale Agric	MACHINGA								
Mpilipili (Makanjila)									
Makoka Met									
Mangochi Met.									
Namisai Agric   45.1   50.6   89   283.2   565.8   50   3     Namisai Agric   36.4   61.7   59   255.4   717.0   36   3     Namisai Agric   26.2   56.7   46   455.5   618.5   74   2     Phalula Agric   25.7   57.4   45   323.9   605.8   53   2     Toleza Farm   41.5   48.6   85   534.0   617.5   86   4     Zomba Agric   28.7   70.4   41   590.3   837.6   70   3     Bumbwe Met.   40.6   73.8   55   550.4   771.3   71   1     Chichiri Met.   23.4   52.3   45   505.2   920.0   55   2     Chiradzalu Agric   19.6   66.2   30   206.1   710.5   29   3     Chizunga Factory   9.3   86.4   11   373.4   897.5   42   3     Lujeri Tea Estate   12.0   138.8   9   1333.7   1341.2   99   4     Masambanjati Agric   22.1   95.3   23   455.9   873.1   52   3     Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   4.9   71.3   7   7   466.0   709.5   66   7     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1					153	467.3	483.4		3
Namwera Agric   36.4   61.7   59   255.4   717.0   36   3     Ntaja Met.   26.2   56.7   46   455.5   618.5   74   2     Phalula Agric   25.7   57.4   45   323.9   605.8   53   2     Toleza Farm   41.5   48.6   85   534.0   617.5   86   4     Zomba Agric   28.7   70.4   41   590.3   837.6   70   3     BLANTYRE   Bumbwe Met.   40.6   73.8   55   550.4   771.3   71   1     Chichiri Met.   23.4   52.3   45   505.2   920.0   55   2     Chikeka Airport   15.2   50.4   30   327.2   636.9   51   1     Chiradzulu Agric   19.6   66.2   30   206.1   710.5   29   3     Chizunga Factory   9.3   86.4   11   373.4   897.5   42   3     Lujeri Tea Estate   12.0   138.8   9   1333.7   1341.2   99   4     Masambanjati Agric   22.1   95.3   23   455.9   373.1   52   3     Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Mwarza Boma   22.7   66.0   34   270.4   723.1   37   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Nehalo   0.0   46.4   0   285.2   481.3   59   0		Monkey Bay Met.	58.8	46.7	126	239.6	445.8	54	4
Ntaja Met.   26.2   56.7   46   455.5   618.5   74   2									
Phalula Agric   25.7   57.4   45   323.9   605.8   53   2     Toleza Farm   41.5   48.6   85   534.0   617.5   86   4     Zomba Agric   28.7   70.4   41   590.3   837.6   70   3     Bumbwe Met.   40.6   73.8   555   550.4   771.3   711   1     Chichiri Met.   23.4   52.3   45   505.2   920.0   55   2     Chileka Airport   15.2   50.4   30   327.2   636.9   51   1     Chizaga Factory   9.3   86.4   11   373.4   897.5   42   3     Chizunga Factory   9.3   86.4   11   373.4   897.5   42   3     Lujeri Tea Estate   12.0   138.8   9   1333.7   1341.2   99   4     Masambanjari Agric   22.1   95.3   23   455.9   873.1   52   3     Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Memba Vet   49.5   68.0   73   460.7   793.9   58   2     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Mwanza Boma   22.7   66.0   34   270.4   723.1   37   2     Naminjiwa Agric   17.4   68.8   25   320.0   790.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stm.   0.0   46.3   0   N/A   487.8   N/A   0     Nehalo   0.0   46.4   0   285.2   481.3   59   0		<u> </u>							
Toleza Farm									
Zomba Agric   28.7   70.4   41   590.3   837.6   70   3		Phalula Agric	25.7	57.4	45	323.9	605.8	53	2
Brantyre		Toleza Farm	41.5	48.6	85	534.0	617.5	86	4
BUANTYRE		Zomba Agric	28.7	70.4	41	590.3	837.6	70	3
Chichiri Met.   23.4   52.3   45   505.2   920.0   55   2	DIANTVDE								
Chileka Airport	DLANTINE								2
Chizunga Factory				50.4	30			51	1
Lujeri Tea Estate   12.0   138.8   9   1333.7   1341.2   99   4									
Masambanjati Agric   22.1   95.3   23   455.9   873.1   52   3     Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Mpemba Vet   49.5   68.0   73   460.7   793.9   58   2     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Mwanza Boma   22.7   66.0   34   270.4   723.1   37   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									
Mimosa Met.   38.7   71.9   54   735.3   939.7   78   3     Mpemba Vet   49.5   68.0   73   460.7   793.9   58   2     Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1     Mwanza Boma   22.7   66.0   34   270.4   723.1   37   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									4
Mpemba Vet									
Mulanje Boma   9.6   86.9   11   1037.6   1153.9   90   1									
Mwanza Boma   22.7   66.0   34   270.4   723.1   37   2     Naminjiwa Agric   4.9   71.3   7   466.0   709.5   66   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									
Naminjiwa Agric   4.9   71.3   7   466.0   709.5   666   2     Neno Agric   17.4   68.8   25   320.0   790.5   40   2     Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									
Neno Ágric									
Satemwa Tea Est.   43.6   76.1   57   489.0   732.6   67   2     Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Makhanga Met   0.0   52.0   0   222.8   530.7   42   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									
Thuchila Agric   20.5   57.8   35   304.5   621.0   49   1     Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1     Thyolo Met   3.2   73.8   4   508.8   785.7   65   1     SHIRE VALLEY   Chikwawa Boma   1.2   41.5   3   395.0   570.6   69   1     Kasinthula Res. Stn.   0.0   46.3   0   N/A   487.8   N/A   0     Makhanga Met   0.0   52.0   0   222.8   530.7   42   0     Nchalo   0.0   46.4   0   285.2   481.3   59   0									2
Thyolo Boma   6.0   78.7   8   N/A   781.3   N/A   1									
Thyolo Met         3.2         73.8         4         508.8         785.7         65         1           SHIRE VALLEY           Chikwawa Boma         1.2         41.5         3         395.0         570.6         69         1           Kasinthula Res. Stn.         0.0         46.3         0         N/A         487.8         N/A         0           Makhanga Met         0.0         52.0         0         222.8         530.7         42         0           Nchalo         0.0         46.4         0         285.2         481.3         59         0									
SHIRE VALLEY         Chikwawa Boma         1.2         41.5         3         395.0         570.6         69         1           Kasinthula Res. Stn.         0.0         46.3         0         N/A         487.8         N/A         0           Makhanga Met         0.0         52.0         0         222.8         530.7         42         0           Nchalo         0.0         46.4         0         285.2         481.3         59         0									
Kasinthula Res. Stn.         0.0         46.3         0         N/A         487.8         N/A         0           Makhanga Met         0.0         52.0         0         222.8         530.7         42         0           Nchalo         0.0         46.4         0         285.2         481.3         59         0	SHIRE VALLEY				3			69	1
Nchalo 0.0 46.4 <b>0</b> 285.2 481.3 <b>59</b> 0			0.0	46.3		N/A	487.8	N/A	
				52.0		222.8		42	
Ngabu Met. 0.0 51.3 0 339.7 549.7 62 0									
Nsanje Boma 0.0 72.5 <b>0</b> 248.6 767.8 32 0									

TABLE 2: AGROMETEOROLOGICAL PARAMETERS FOR 11 TO 20 FEBRUARY 2016

Season: 2015-2016

ADD/ STATION	MAX TEMP (°C)	MIN TEMP (°C)	ABS MAX (°C)	ABS MIN (°C)	WIND SPEED Km/hour	RH %	SUN SHINE HOURS	Eo mm per day	Et mm per day	RAD- TION calcm- <sup>2</sup> p/day		
KARONGA ADD												
Chitipa	27.5	18.3	28.8	17.6	5.4	81	5.9	5.9	4.6	8.4		
Karonga	30.8	21.8	31.7	20.5	3.6	74	6.3	6.6	5.2	8.7		
MZUZU ADD												
Bolero	28.6	18.9	30.0	17.9	3.6	75	6.5	6.2	4.9	8.8		
Mzimba	28.0	17.8	30.0	16.7	2.5	75	6.0	5.9	4.6	8.4		
Mzuzu	27.0	17.9	28.7	16.1	5.0	81	5.8	5.8	4.5	8.3		
Nkhata Bay	31.0	21.4	32.7	19.6	2.2	76	6.8	6.6	5.2	8.9		
KASUNGU ADD			I	I								
Kasungu	29.7	19.3	32.0	18.1	4.3	72	7.0	6.6	5.2	9.1		
LILONGWE ADD												
Chitedze	28.5	19.6	32.0	16.2	2.2	76	7.1	6.4	5.0	9.1		
Dedza	25.6	16.7	27.9	13.6	8.3	75	7.0	6.2	4.9	9.0		
KIA	26.9	18.7	30.3	15.8	4.0	74	6.8	6.2	4.9	8.9		
SALIMA ADD	•								•			
Salima	30.9	22.5	32.5	20.6	3.6	76	7.3	4.5	3.4	9.2		
MACHINGA ADD	)											
Makoka	29.9	19.3	31.2	15.9	3.2	69	7.0	6.6	5.2	9.0		
Mangochi	32.8	23.0	35.5	21.0	1.4	73	7.7	7.2	5.8	9.5		
Monkey Bay	31.1	23.8	32.5	21.8	5.8	74	8.0	7.5	6.0	9.7		
Ntaja	31.7	21.7	33.3	20.0	5.4	68	7.9	7.4	5.9	9.6		
<b>BLANTYRE ADD</b>												
Bvumbwe	27.6	18.9	29.4	17.5	5.0	68	8.9	7.1	5.6	10.3		
Chichiri	29.3	19.4	31.3	17.4	3.6	66	8.5	7.1	5.6	10.0		
Chileka	31.7	20.7	33.5	17.6	9.4	63	8.9	8.0	6.5	10.3		
Mimosa	32.3	20.0	34.3	16.6	4.0	65	8.5	7.4	5.9	10.0		
SHIRE VALLEY A												
Ngabu	37.2	25.0	38.5	24.4	8.6	57	9.0	9.2	7.5	10.3		

# Glossary of some terms on this table

- Eo = Potential Evaporation, Et = Potential Evapotranspiration and 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 Kilometers per hour (Km/hr) to meters per second (mps) = (Km/Hr)/3.6