

Issue # 18

May, 2014

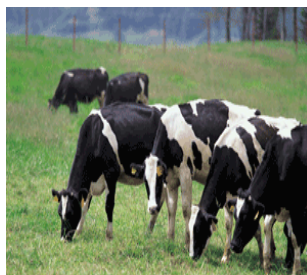
Hydrometeorological Service of Guyana

Farmer's Monthly Weather Bulletin

This bulletin is prepared by the Hydrometeorological Service of Guyana. We welcome feedback, suggestions and comments on this bulletin. Correspondences should be directed to: The Chief Hydrometeorological Officer (Ag), Agrometeorologist.

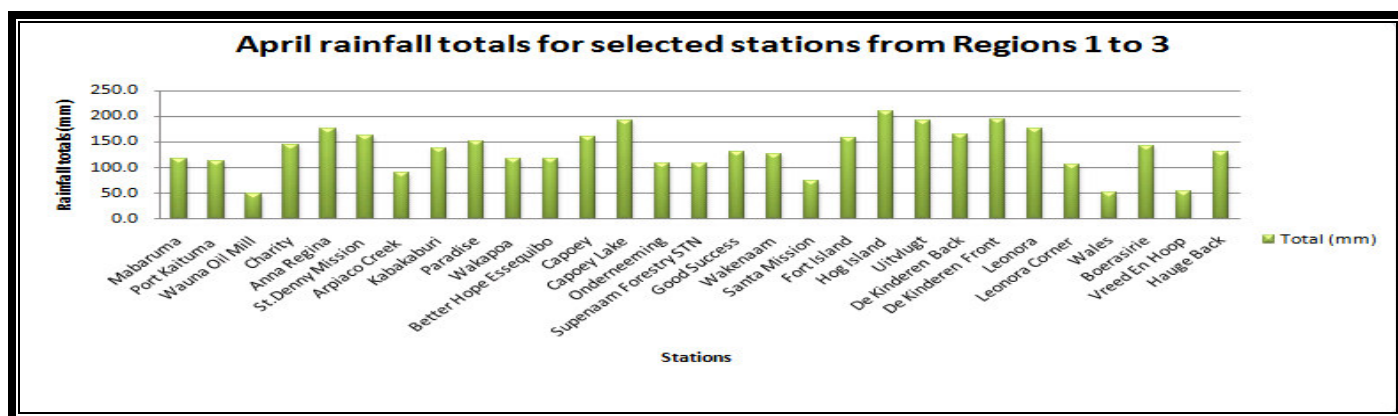
APRIL HIGHLIGHTS

- Generally fair weather prevailed in the month of April, supporting most agricultural activities.
- The highest one day rainfall total of 71.0 mm was recorded at Kaieteur on the 15th of April.
- Kaieteur recorded the highest monthly rainfall total with 349.7mm.
- For the month of April, Guyana was classified as Dry (D) averaging 11 rain days.
- Guyana is transitioning into its primary wet season (May/June) of 2014.
- Near normal conditions predicted for May through July.
- In view of a highly probable upcoming El Niño event, the probability exists that Guyana may experience a delayed onset of the wet season (May/June).



Rainfall Overview for April 2014

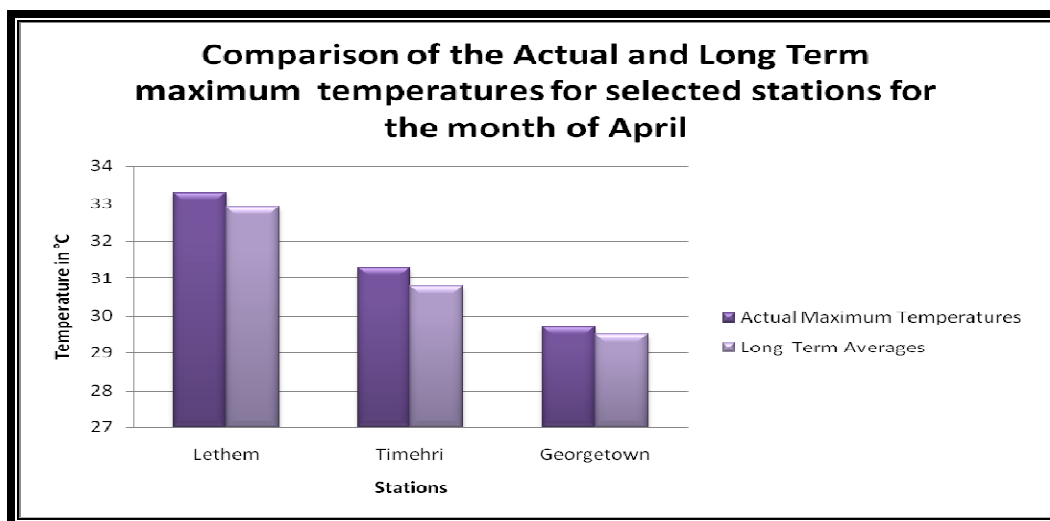
The month of April based on the rainfall data collected from the ten (10) administrative Regions thus far was classified as Dry (D) with an average of 11 rain days and 83.2 mm of rainfall. Regional classification showed that Region 2 recorded the highest average rainfall total of 127.4 mm within an average of 13 rain days. The highest one day rainfall total was recorded at Kaieteur Region 8 with 71.0 mm of rainfall on April 15th, 2014. Kaieteur also recorded the highest monthly rainfall total with 349.7 mm of rainfall.



Graph#1: April rainfall totals for selected stations from Regions 1 to 3

Temperature Overview for April 2014

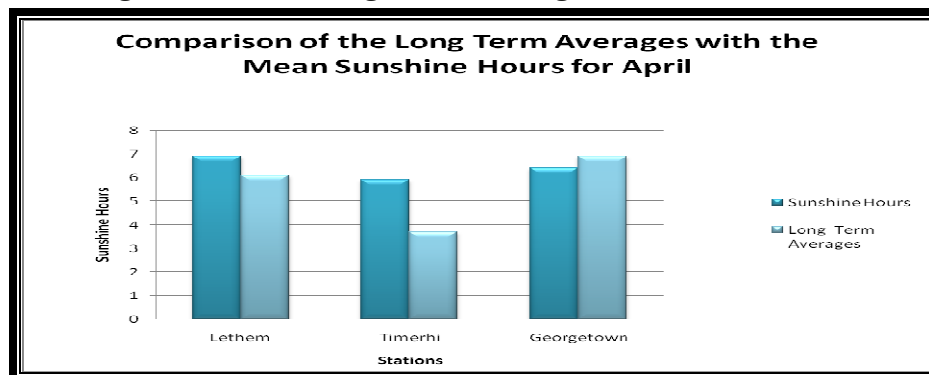
The highest mean maximum temperature for the month of April was recorded at Lethem Region 9 with 33°C; Lethem also recorded the highest one day temperature of 35.5°C on the 10th of April, 2014. The lowest mean minimum temperature was recorded at Kaieteur with 20.8°C; Timehri recorded the lowest minimum temperature for the month of 19.0°C on the 5th of April.



Graph#2: Comparison of the Actual and Long Term maximum temperatures

Sunshine Hours Summary for April 2014

For the month of April the highest one day total of sunshine hours was recorded at Georgetown with 10.5 hours on the 5th of April; 2014, this value exceeded the climatological normal of this station by 3 hours. Lethem recorded the highest mean bright sunshine hours of 6.9 hours which was higher than its long-term average of 6.1 hours.



Graph# 3: Comparison of the Long Term Averages with the Mean Sunshine Hours for selected stations

Agricultural Review for April 2014

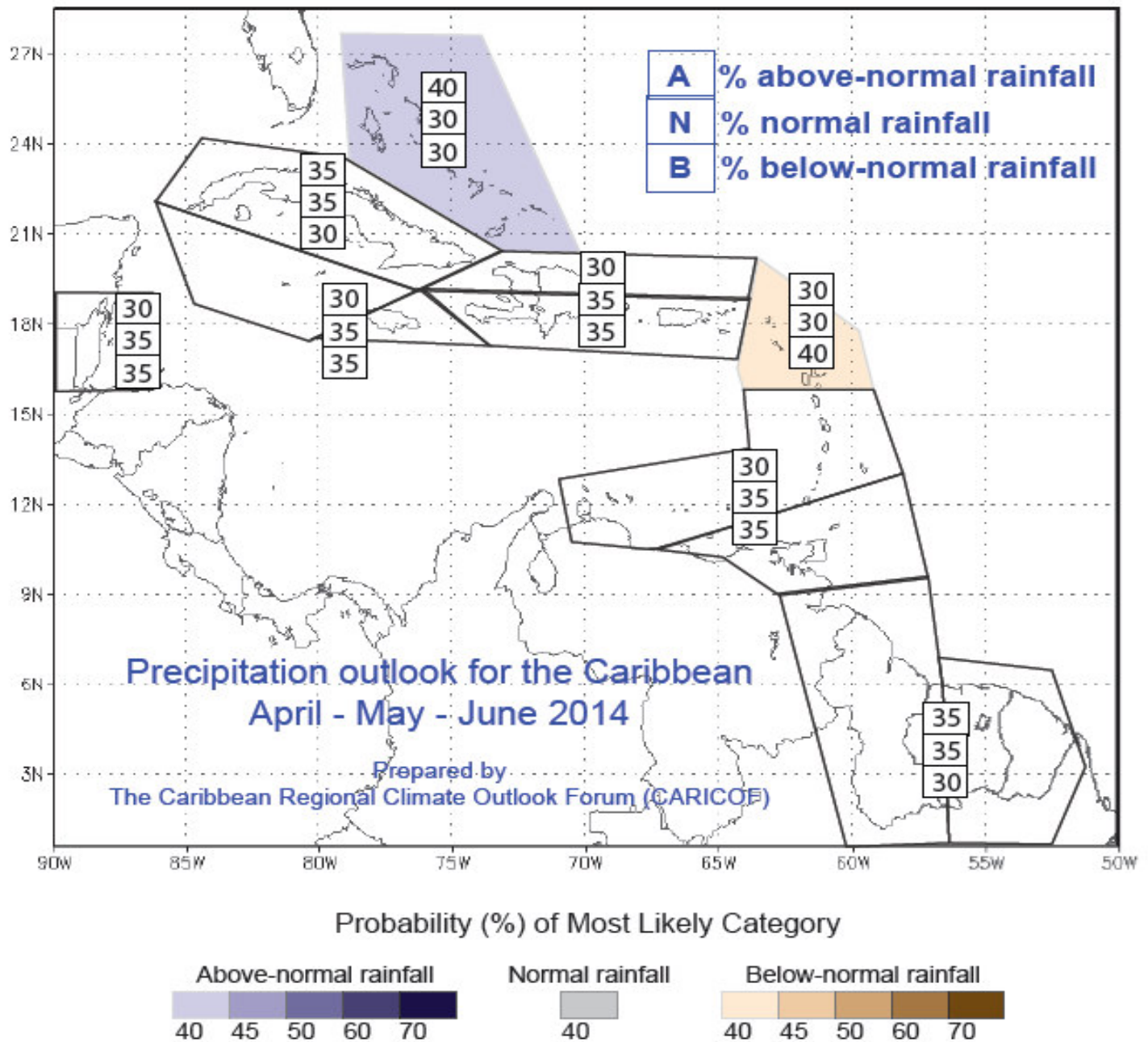
During the month of April generally fair weather conditions prevailed over most parts of Guyana thus supporting most agricultural activities. On a recent visit to various farming communities in Regions 5 and 6 many rice farmers who were interviewed said that the weather conditions experienced over the month was generally favourable especially to those who were harvesting their rice crops. On the other hand, the farmers who were preparing their land expressed the view that a little rainfall would be welcomed by them in order to expedite this process. Several cash crops farmers also stated that they would gladly welcome some rainfall especially for irrigation purposes of their crops. The harvesting of sugarcane continued in the month and no significant weather impact on agricultural production was reported.

Farmer's Note for May 2014

Currently Guyana is transitioning into its primary rainfall season of 2014. Thus, all farmers are asked to take note since the seasonal forecast models are indicating high probabilities of near normal rainfall across most parts of Guyana for the period May-July 2014. It should be taken into consideration that in view of a highly probable upcoming El Niño event, the probability exists that Guyana may experience a delayed onset of the wet season (May/June). Nevertheless, during this period moderate to heavy rains are likely, which may cause flooding in low lying areas so farmers are encouraged to put practices in place to help control pest and diseases, which become prevalent in the rainy period. Deworming of livestock species should be done. Growth of weeds around fields should be controlled, since weeds offer hiding places and serve as alternate host for insects pests. Drains, canals and trenches should be cleaned.

Seasonal Forecast from May-July 2014

Currently Guyana is transitioning into its first wet season of 2014 and the statistical and forecast models are indicating high probabilities of near normal rainfall during this period over most parts of Guyana. Thus, frequent downpours are likely for the forecast period. It should be noted that in view of a highly probable upcoming El Niño event, the probability exists that Guyana may experience a delayed onset of the wet season (May/June).



Source: <http://www.cimh.edu.bb/?p=precipoutlook>

Figure # 1. Indicating the Percentages of above Normal (A), Normal (N) and Below Normal (B) rainfall conditions Guyana and the Caribbean.

Table #1: Rainfall normals and averages of selected rainfall stations

REGION	STATION NAME	May	June	July	REGION	STATION NAME	May	June	July
1	MABARUMA	327	342.7	232.4	5	BLAIRMONT	257	280	240.25
	WAUNA	223.1	315.9	288.6		MARDS	257.7	265	251.6
	PORT KAITUMA	251	305.3	261.1	6	ALBION	225.9	249.2	212.1
2	ANNA REGINA	333.2	310.5	249		SKELDON	250.4	256	217
	CHARITY	295.6	305.8	251.7		CRABWOOD CREEK	182	157.7	146.4
	Mc NABB	278.	306.6	255.1		ROSE HALL	275.2	287.6	218.3
	WAKAPOW	321.5	334.8	320.4		NIGG 58	238.4	260.3	208.8
	ONDERNEEMING	264.4	263.2	177.7		ALBION 33	214	222.3	190.5
3	BOERSARIE	382.6	415.4	357.		#73 VILLAGE	255.3	254.5	191.7
	DeKENDEREN B	346	385.1	315.4		# 54 VILLAGE	206.3	184.9	156.1
	DeKENDEREN F	345.2	376.5	304.1		ANKERVILLE	247.7	253.4	218.5
	LEORNORA F	309	348.3	296.4		MIBIKURI	238.3	248.3	214.3
	LEORNORA B	360.5	392.9	318.5		MARA LAND DEV. SCHEME	221.6	284.8	260.2
	WALES	343	338.5	315.7		NEW AMSTERDAM	259.	276.4	231.2
	UITVLUGT B	335.4	260.8	307.2	7	APAIKWA	342.9	351.7	266.2
	La BAGATELLE LEGUAN	234.2	240.2	190.5		MAZARUNI	294.4	309.5	310.6
4	BOTANIC GARDENS	277	310.5	266.1		BARTICA DEM. STATION	270.3	293.1	224.2
	TIMEHRI	318.4	350.4	298		JAWALLA	295.5	303.9	268.6
	CANE GROVE B	206.9	223.9	197.1	8	KAIETEUR FALLS	610.1	584.9	473.1
	CANE GROVE F	234.7	269.4	214.8	9	LETHEM	274.5	288.5	256.7
	L.B.I FRONT	247.6	259.8	225.4		KARASABAI	131.4	150.6	168.7
	OGLE FRONT	224.9	227.6	216		DADANAWA	298.4	307.4	296.5
	ENMORE FRONT	278.9	270.9	256.6	10	GREAT FALLS	364	369.7	339.5
	KAIRUNI	194.7	228.5	240.9		WISMAR	262.5	266.7	241
						EBINI	277	280.4	285

NOTE: The normals for various stations were calculated by the use of rainfall data from the year 1981- 2010 (30 years) and the averages were calculated by the use of data available from the stations which did not have sufficient data to calculate the normals.

Table # 2: Average rain days for the months May to July for selected stations

Station Name	May	June	July
Georgetown Botanical Gardens	20 days	22 days	20 days
Timehri Meteorological Station	21 days	22 days	23 days

NOTE: Rain day = More than 1 mm of rainfall within a 24 hrs period.

Table#3: HIGH TIDE TABLE FOR MAY, 2014

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Watch Centre)*

Or

**Visit our web-page for the
daily weather forecast:
www.hydromet.gov.gy**

May HIGH TIDE $\geq 2.74\text{m}$		
DATE	TIME	HEIGHT(m)
2014/05/01	04:43	2.99
	17:31	2.83
2014/05/2 2014/05/3	05:18	2.90
	18:13	2.78
2014/05/12 2014/05/13	05:50	2.84
	18:55	2.94
	06:24	2.81
2014/05/14	02:29	3.02
	03:00	2.89
2014/05/15	14:59	3.06
	03:30	2.93
2014/05/16	15:38	3.06
	04:01	2.93
2014/05/17	16:18	3.02
	04:34	2.89
2014/05/18	16:58	2.94
	05:10	2.81
2014/05/19	17:38	2.82
	05:48	2.74
2014/05/24 2014/05/25	18:21	2.84
	06:31	2.74
2014/05/26	00:55	2.91
	13:25	2.80
2014/05/27	01:44	2.95
	14:18	2.83
2014/05/28	02:26	2.96
	15:06	2.83
2014/05/29	03:06	2.95
	15:51	2.81
2014/05/30	03:42	2.92
	16:34	2.76
2014/05/31	04:18	2.88
	17:15	2.70

Tide Tables are provided by the Maritime Administration Department