



Republic Of Zambia
Ministry of Transport and Communications
Zambia Meteorological Department

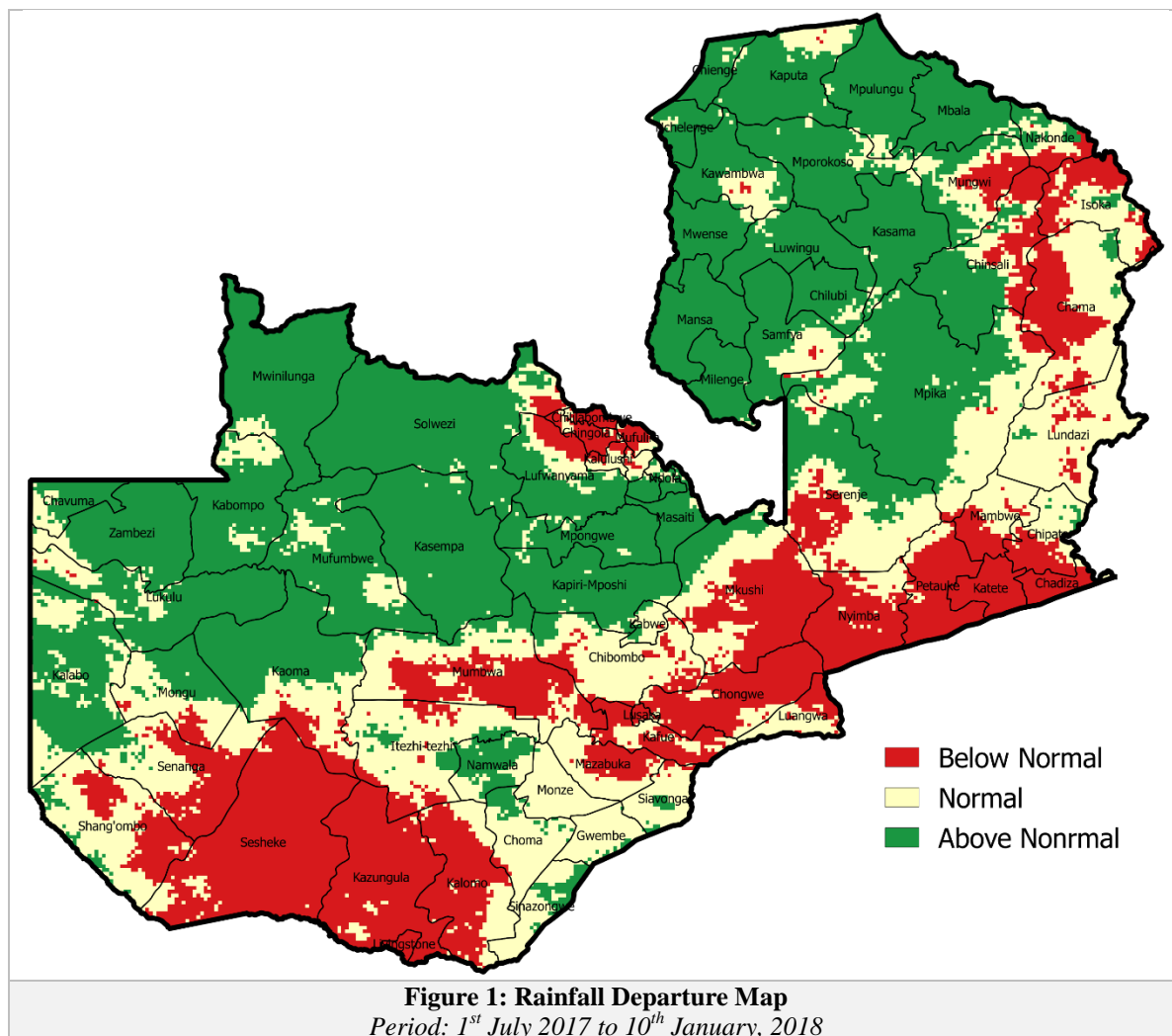
Period: 1 – 10 January

Issue No. 10, Season: 2017/2018

Crop Weather Bulletin

Highlights

- Below-average rainfall recorded over southern half of the country with less than 3 rain days;
- Insufficient soil moisture likely to cause stress in maize crop observed over the southern half of the country;
- Low rainfall, sunny and hot conditions anticipated over the southern half of the country;



From 15th to 16th January, 2018, a deep low pressure advancing towards northern Mozambique is inducing moist and unstable airflow from the northwest affecting the northern half of Zambia leaving the southern half under the influence of moist but stable winds from the southeast. However, from 17th to 19th January, 2018 a deep low pressure will be inland over northern Mozambique and will continue inducing moist and unstable winds from the Northwest over most parts of the country. From 20th up to the end of the forecast period moist and unstable airflow from the northwest are affecting the northern half of Zambia leaving the southern half under the influence of moist but stable winds from the southeast.

In view of the general situation the forecast for the 15th-16th **Lusaka and Southern Provinces:** Partly cloudy and warm becoming hot with chance of afternoon showers and thunderstorms.

The Rest of Zambia: Partly cloudy to cloudy and mild becoming warm with afternoon showers and thunderstorms in places.

The nights will be mainly clear except for Muchinga and Eastern Provinces which will be cloudy with a chance of rain and thunder.

FORECAST FOR THE PERIOD: 17th to 19th January, 2018

Lusaka and Southern Provinces: Few clouds and warm becoming cloudy and hot with afternoon showers and thunderstorms in few places.

The Rest of Zambia: Cloudy with morning rains, afternoon showers and thunderstorms, heavy falls expected over Eastern, Muchinga and eastern districts of Central Provinces.

FORECAST FOR THE PERIOD: 20th to 22nd January, 2018

Lusaka and Southern Provinces: Partly cloudy and warm becoming hot with chance of afternoon showers and thunderstorms.

The Rest of Zambia: Partly cloudy to cloudy and mild becoming warm with afternoon showers and thunderstorms in places.

AGROMETEOROLOGICAL CONDITIONS

Observed soil moisture conditions indicate insufficient amounts which may cause stress and wilting in maize crop especially over the southern half of the country. Areas that are experiencing stress in maize crop are Western, Southern and Lusaka provinces including southern parts of Central and Eastern provinces. Areas around Sioma, Mulobezi and Itezhi-tezhi east indicates signs of crop wilting (*See fig 6*).

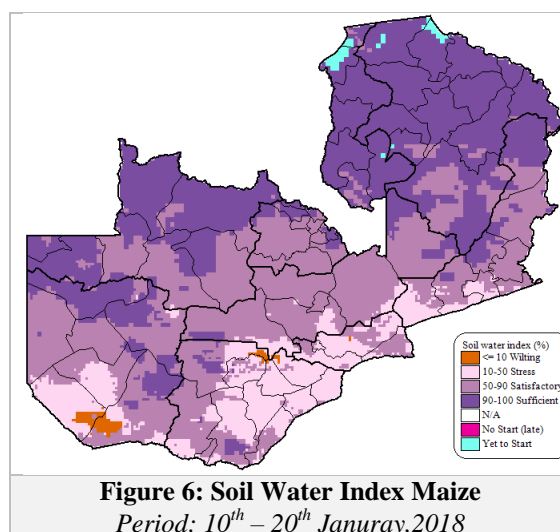


Table 1								
Dekad rainfall and Rain Days Summary								
Period: 01 st -10 th January,2018			Issue No: 10			Season: 2017/18		
Dekad Totals				Cumulative Total Since 1st July 2017				
Station	Observed Rainfall	Rain Days	Normal Rainfall	Cumulative Rainfall	Cumulative Rain Days	Normal Rainfall	Rainfall Departure	Percentage Departure
	mm	(>=1mm)	mm	mm		mm	mm	%
Solwezi	77	5	89	527	49	579	-52	-9
Kasempa	75	3	85	723	48	467	256	55
Zambezi	78	6	71	403	44	451	-48	-11
Mansa	50	5	83	658	44	473	185	39
Kawambwa	83	7	72	665	60	532	133	25
Kasama	73	7	88	544	47	516	28	6
Misamfu	110	8	86	564	47	487	77	16
Mpika	36	3	88	425	29	426	-1	0
Isoka	43	6	76	549	34	371	178	48
Ndola	37	2	85	511	45	502	9	2
Kafironda	25	3	99	686	44	533	153	29
Mongu	19	1	75	447	25	383	64	17
Kalabo	27	6	68	396	40	305	91	30
Sesheke	23	1	39	269	21	270	-1	0
Kaoma	29	4	52	286	35	369	-83	-22
Senanga	5	2	55	325	35	311	14	5
Kabwe	3	1	61	498	31	385	113	29
Kabwe Agro	1	1	61	387	23	385	2	0
Serenje	12	3	80	470	41	394	76	19
Lusaka C. Airport	22	2	68	212	24	337	-125	-37
KKIA	10	2	58	204	21	342	-138	-40
Mt Makulu	52	3	58	314	28	355	-41	-12
Kafue Polder	3	2	44	221	20	275	-54	-20
Chipata	32	3	78	503	32	444	59	13
Msekera	35	2	61	589	31	377	212	56
Lundazi	19	2	79	250	20	301	-51	-17
Mfuwe	28	3	64	356	33	316	40	13
Petauke	6	1	69	284	24	361	-77	-21
Choma	23	2	50	313	27	319	-6	-2
Magoye	7	4	52	197	25	317	-120	-38
Livingstone	9	2	45	239	19	275	-36	-13