



3 February 2023

CIRCULAR 03/2023
DRESS CODE: SHOES AND SANDALS
HEAT INDEX FOR EXCESSIVE HEAT

Good afternoon JBA

In response to the enquiry received from Randburg regarding the use of sandals for men whilst playing bowls, the following has been decided based on the current Conditions of Play.

Clubs may decide on their own footwear policy for playing TABS and internal club tournaments.

Any Player participating in the Saturday League and any of the annual JBA Tournaments, as it stands, ladies may wear sandals and men may not.

Players with medical conditions which necessitate wearing alternate footwear or playing barefoot may send JBA Tournament Committee a motivation for consideration.

1.1.1 Excessive heat

1.1.1.1 The controlling body shall determine for each tournament the levels at which:

1.1.1.1.1 A compulsory 10-minute break each hour will be introduced.

1.1.1.1.1.1 Games to be stopped.

1.1.1.2 If an appeal is made to the umpire, he/she must call a **ten-minute** break during which the prevailing weather is determined, and a decision made.

1.1.1.3 Levels are as per the different colours on the chart below.

Everyone is at risk of heat-related illness during extreme hot weather; some groups of people such as the elderly and people who have chronic health conditions are more at risk than others.

Whilst there does not appear a definitive definition of what is considered the maximum

temperature at which participation should be stopped the diagram below gives some indication as to what health specialists consider to be unsafe conditions:

JBA Executive Committee


President: Rob Zimmermann

Members: Hon. Treasurer Maureen Smith,
Colin Schneiderman, Ian McKenzie,
Jorge Ruiz-Mesa, Trevor Rosenberg



Metrication of: Heat Table

		Temperature (°C)																
		27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Relative Humidity (%)	40	27	28	29	30	31	32	34	35	37	39	41	43	46	48	51	54	57
	45	27	28	29	30	32	33	35	37	39	41	43	46	49	51	54	57	
	50	27	28	30	31	33	34	36	38	41	43	48	49	52	55	58		
	55	28	29	30	32	34	36	38	40	43	46	48	52	55	58			
	60	28	29	31	33	35	37	40	42	45	48	51	55	59				
	65	28	30	32	34	36	39	41	44	48	51	55	59					
	70	29	31	33	35	38	40	43	47	50	54	58						
	75	29	31	34	36	39	42	46	49	53	58							
	80	30	32	35	38	41	44	48	52	57								
	85	30	33	36	39	43	47	51	55									
	90	31	34	37	41	45	49	54										
	95	31	35	38	42	47	51	57										
	100	32	36	40	44	49	54											

-  Caution
-  Extreme Caution
-  Danger
-  Extreme Danger

Clearly from the above there is a correlation between heat and humidity to give effect to determine what is considered dangerous. It follows that a correlation between temperature and humidity needs to be established so that, based on the combined factor of the two measurements, the maximum temperature is calculated and used.

Play must be suspended when any combined temperature places the participants under extreme danger.

There is an excellent app available through the Google Play store called 'Heat Index' that calculates the heat index, factoring in both temperature and humidity. A further app called 'Galaxy Sensors' indicates both ambient temperature and relative humidity. These two apps used together will help make a scientific determination to establish prevalent heat conditions.

Yours in Bowls