

MSA Field Conditions & Weather Policies

The City of McKinney Park & Rec Department determines with input from MSA the status of our soccer playing fields. The MSA website will be updated for cancellations by 7:30 AM on Saturdays, 3:30 PM on weekdays, and 12:00 PM on Sundays

****If the website is not updated and you have not received an email on any closure, all fields are open and you should proceed to the fields. Please note; it is possible that games could be called off at the field in the event of inclement weather.*****

STORMS & LIGHTNING

The City of McKinney has installed lightning predictors at Craig Ranch and AR Soccer Complexes. The City will be testing the system on weekdays, once a week during the day when no one is playing. The sensors will be cleaned every thirty days.

System Operation:

When a probability of lightning is detected the horn will sound continuously for fifteen seconds and the yellow light will begin flashing. At this time all fields will be cleared. The yellow light will continue to flash as long as a threat exists. When a threat is no longer detected, the horn will sound three short blasts and the yellow light will go off. It is then safe to return to the fields and resume play.

Games Policy:

As soon as the horn sounds and the yellow light goes on, all games will be immediately stopped. Players, officials and spectators must leave the fields **IMMEDIATELY** and seek shelter in their cars for the duration of the threat. The concession area is for league officials only during this time to assess the weather. Should the referees feel, using their best judgment, that a potential threat is present, they HAVE the authority to stop the games even before the alarm is triggered.

Since there is no way to determine how long the threat will last, the following rules will apply for all games, regardless of who stops them (alarm or referee):

1. Any game not started (initial kick-off) will be delayed 30 minutes. Should the system determine that the threat is no longer in place and the all clear signal is received within 30 minutes, the game can start. Beyond the 30 minute time frame, The highest ranking MSA Board Member at the fields will determine if the

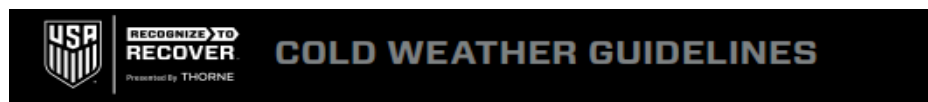
game will be considered canceled. If there is no MSA Board Member present it will be the Center Referee to make the determination. If canceled the game will be rescheduled (subject to time constraints and field availability).

2. Any game being played and stopped **BEFORE** the completion of the first half will be considered canceled and every effort will be made to reschedule it (subject to time constraints and field availability). For the competitive divisions, the score will NOT count and be considered INVALID for the standings.
3. Any game being played and stopped **AFTER** the completion of the first half will be considered valid and will NOT be rescheduled. For the competitive divisions, the score will count and be considered VALID for the standings.

Just because the skies look relatively clear, a lightning strike can still occur.

Cold Weather Guidelines

The following precautions must followed when there is a possibility of dangerous cold conditions:



STEP ONE - DETERMINE WIND CHILL TEMPERATURE

The effects of cold weather can impact health and safety during practices and games. The definition of "cold stress" varies across the United States, depending on how accustomed people are to cold weather. A player from Minnesota will have a much different threshold for cold than a player from Florida.

WIND CHILL TEMPERATURE (WCT) INDEX TEMPERATURE IN DEGREES FAHRENHEIT														
WIND SPEED		40	35	30	25	20	15	10	5	0	-5	-10	-15	-20
	5	36	31	25	19	13	7	1	-5	-11	-16	-22	-28	-34
	10	34	27	21	15	9	3	-4	-10	-16	-22	-28	-35	-41
	15	32	25	19	13	6	0	-7	-13	-19	-26	-32	-39	-45
	20	30	24	17	11	4	-2	-9	-15	-22	-29	-35	-42	-48
	25	29	23	16	9	3	-4	-11	-17	-24	-31	-37	-44	-51
	30	28	22	15	8	1	-5	-12	-19	-26	-33	-39	-46	-53
	35	28	21	14	7	0	-7	-14	-21	-27	-34	-41	-48	-55
	40	27	20	13	6	-1	-8	-15	-22	-29	-36	-43	-50	-57
	45	27	19	12	5	-2	-9	-16	-23	-30	-37	-44	-51	-58
	50	26	19	12	4	-3	-10	-17	-24	-31	-38	-45	-52	-60

STEP TWO - FIND YOUR ALERT LEVEL

Use this chart to determine the alert level at your location based on the wind chill temperature.

ALERT LEVEL	WCT (F)	EVENT CONDITIONS	RECOMMENDED ACTION
BLACK	< 0	Extreme Conditions*	Cancel or attempt to move activities indoors. Frostbite could occur.
RED	1-15	High Risk for Cold Related Illness*	Consider modifying activity to limit exposure and allow for more frequent chances to rewarm.
ORANGE	16-24	Moderate Risk for Cold Related Illness*	Provide additional protective clothing, cover as much exposed skin as practical, and provide opportunities and facilities for rewarming.
YELLOW	25-30	Less than Ideal Conditions*	Be aware of the potential for cold injury and notify appropriate personnel of the potential.
GREEN	>30	Good Conditions	Normal activities.

* In wet environments with colder conditions, the following situations are accelerated. Use additional caution to recognize potential cold injuries. (NOTE: These WCT guidelines were adapted from the NATA position statement: Environmental Cold Injuries by Cappaert et al. 2008.)

The link to the US Soccer Cold Weather Policy that MSA will follow is [Cold Weather Guide](#)

Heat Guidelines

The following precautions must followed when there is a possibility of dangerous high heat index:

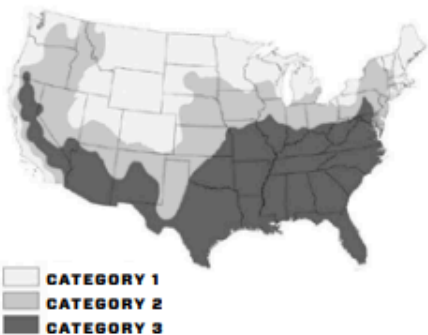
TO USE THE GUIDELINES, FOLLOW THESE THREE STEPS:

STEP 1 FIND THE WET BULB GLOBE TEMPERATURE (WBGT)
Measure the temperature and humidity at your site. Find the estimated WBGT corresponding below.

WET BULB GLOBE TEMPERATURE (WBGT) FROM TEMPERATURE AND RELATIVE HUMIDITY																																
		TEMPERATURE IN DEGREES FAHRENHEIT																														
		68.0	69.8	71.6	73.4	75.2	77.0	78.8	80.6	82.4	84.2	86.0	87.8	89.6	91.4	93.2	95.0	96.8	98.6	100.4	102.2	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0
RELATIVE HUMIDITY (%)	0	68.0	69.8	71.6	73.4	75.2	77.0	78.8	80.6	82.4	84.2	86.0	87.8	89.6	91.4	93.2	95.0	96.8	98.6	100.4	102.2	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0
	5	69.8	70.9	72.6	74.4	76.2	78.0	79.8	81.6	83.4	85.2	87.0	88.8	90.6	92.4	94.2	96.0	97.8	99.6	101.4	103.2	105.0	106.8	108.6	110.4	112.2	114.0	115.8	117.6	119.4	121.2	123.0
	10	71.6	72.8	74.6	76.4	78.2	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0
	15	73.4	74.6	76.4	78.2	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8
	20	75.2	76.4	78.2	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6
	25	77.0	78.2	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4
	30	78.8	80.0	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2
	35	80.6	81.8	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0
	40	82.4	83.6	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8
	45	84.2	85.4	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6
	50	86.0	87.2	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4
	55	87.8	89.0	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2
	60	89.6	90.8	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0
	65	91.4	92.6	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0	144.8
	70	93.2	94.4	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0	144.8	146.6
	75	95.0	96.2	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0	144.8	146.6	148.4
80	96.8	98.0	99.8	101.6	103.4	105.2	107.0	108.8	110.6	112.4	114.2	116.0	117.8	119.6	121.4	123.2	125.0	126.8	128.6	130.4	132.2	134.0	135.8	137.6	139.4	141.2	143.0	144.8	146.6	148.4	150.2	
85	98.6	100.4	102.2	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0	123.8	125.6	127.4	129.2	131.0	132.8	134.6	136.4	138.2	140.0	141.8	143.6	145.4	147.2	149.0	150.8	152.6	
90	100.4	102.2	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0	123.8	125.6	127.4	129.2	131.0	132.8	134.6	136.4	138.2	140.0	141.8	143.6	145.4	147.2	149.0	150.8	152.6	154.4	
95	102.2	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0	123.8	125.6	127.4	129.2	131.0	132.8	134.6	136.4	138.2	140.0	141.8	143.6	145.4	147.2	149.0	150.8	152.6	154.4	156.2	
100	104.0	105.8	107.6	109.4	111.2	113.0	114.8	116.6	118.4	120.2	122.0	123.8	125.6	127.4	129.2	131.0	132.8	134.6	136.4	138.2	140.0	141.8	143.6	145.4	147.2	149.0	150.8	152.6	154.4	156.2	158.0	

NOTE: This table is compiled from an approximate formula which only depends on temperature and humidity. The formula is valid for full sunshine and a light wind. Table adapted from Bureau of Meteorology

STEP 2 FIND YOUR REGIONAL CATEGORY
Determine which region category you are in based on the map.



TRAINING & MATCH PLAY LIMITS

CANCELLATION OF TRAINING

Depending on your region category, recommend cancellation of training or delay until cooler when WBGT for

Cat 1 >86.2°F

Cat 2 >89.9°F

Cat 3 >92.0°F

MATCH PLAY HYDRATION BREAKS: WBGT OF 89.6°F

Provide hydration breaks of 4 minutes for each 30 minutes of continuous play (i.e., minute 30 and 75 of 90 minute match)

STEP 3 FIND YOUR ALERT LEVEL AND WORK TO REST RECOMMENDATIONS

Based on your WBGT and Regional Category determine your Alert Level and Work to Rest Recommendations using the table below.

ALERT LEVEL	WBGT BY REGION (°F)			EVENT CONDITIONS	RECOMMENDED WORK TO REST RATIOS (ACTIONS & BREAKS)
	CAT 1	CAT 2	CAT 3		
BLACK	>86.2°	>89.8°	>92.0°	Extreme Conditions	No Outdoor Training, delay training until cooler, or Cancel Training.
RED	84.2-86.1°	87.8-89.7°	90.1-91.9°	High Risk for Heat Related Illness	Maximum of 1 hour of training with 4 by 4 minute breaks within the hour. No additional conditioning allowed.
ORANGE	81.1-84.1°	84.7-87.7°	87.1-90.0°	Moderate Risk for Heat Related Illness	Maximum of 2 hours of training with 4 by 4 minute breaks each hour, OR a 10 minute break every 30 minutes of training.
YELLOW	76.3-81.0°	79.9-84.6°	82.2-87.0°	Less than Ideal Conditions	3 Separate 4 minute breaks each hour, OR a 12 minute break every 40 minutes of training
GREEN	<76.1°	<79.8°	<82.1°	Good Conditions	Normal Activities. 3 Separate 3 minute breaks each hour of training, OR a 10 minute break every 40 minutes

EXCESSIVE HEAT IMPACT ON PLAY

Depending on your Region Category, it is recommended that training or match play be canceled or delayed until cooler when WBGT exceeds these levels:

- Region Category 1 >86.2°F;
- Region Category 2 >89.9°F
- Region Category 3 >92.0°F

Once an alert level is determined, follow these "Work to Rest" ratios to modify training to help ensure safe play:

- Alert Level Black – No outdoor training, delay training until cooler or cancel.
- Alert Level Red – Maximum of one hour of training with four separate 4 minute breaks within the hour. No additional conditioning allowed.
- Alert Level Orange – Maximum two hours of training time with four separate 4 minute breaks each hour, or a 10 minute break after 30 minutes of continuous training
- Alert Level Yellow – Use discretion, provide three separate 4 minute breaks each hour, or a 12 minute break every 40 minutes of continuous training
- Alert Level Green – Normal Activities, provide three separate 3 minute breaks each hour of training, or a 10 minute break every 40 minutes.

It is recommended to include scheduled hydration breaks when the WBGT reaches 89.6°F. Provide hydration breaks of four minutes for each 30 minutes of continuous play. In a regulation 90-minute match, this would schedule the hydration break at minute 30 and 75.

Provide adequate communication of environmental conditions, cooling methods and other resources to players and staff. This includes ensuring unlimited access to water and other fluids, making sure players and coaches are aware of planned breaks for hydration and the duration and time of training.



The link to the US Soccer Heat Policy & Guidelines that MSA will follow is [Heat Guidelines](#)