The OK-FIRE Home Page

https://www.mesonet.org/index.php/okfire/home

OK-FIRE is accessible from the general Mesonet website by clicking on "Fire Management" on the top menu bar. Upon clicking that, you will see the home page (technically, "landing" page) of OK-FIRE. The module is self-contained and you will stay within it unless you choose to go elsewhere on the general Mesonet website.



We will now begin to look at the details of the home page and the architecture of the OK-FIRE website.

Current Data Tables for Up to Two Mesonet Stations

OK-FIRE allows for up to TWO stations on the home page. The first one (left column data tables) is called the "primary" station and is the default Mesonet site throughout the OK-FIRE website.



To change the station, just click on the Mesonet station at the top of the column and choose another station (Stillwater in this example) on the Mesonet map that comes up. You can also use the pull-down station menu to choose another station.



To choose a second ("secondary") station, click on the + icon under "Add a Station" in the rightmost column:



Then choose your "secondary" station (Oilton in this example) in the same manner as the primary station:



Note that your two selected stations will now show up on the home page. In this case, Stillwater is the PRIMARY station and will be the default station throughout the website until changed by the user. Oilton is the SECONDARY station in this example.

DK-FØRE			🕤 Share 🔋 Tweet
Current Relative Humidity and Wind Direction	Station:	Stillwater	Oilton 🗙
45 + 45 +	Weather	Fri 6/23/17 7:10 pm CDT	Fri 6/23/17 7:10 pm CDT
43 AF	Relative Humidity:	37%	46%
43 + 47 + 44 + 2 + + +	Past 1-hr RH Change:	+2%	+7%
	10-m Wind:	NNE at 18 mph	N at 7 mph
42 41 28 45	Max Wind Gust:	23 mph	16 mph
	Temperature:	82°F Heat Index: 81°F	82°F Heat Index: 82°F
	24-hr Rainfall:	0.00 in	0.00 in
43	Dispersion:	Moderately Good	Good
141 37 38	Sunrise / Sunset:	6:12 am / 8:49 pm	6:10 am / 8:46 pm
0 100			
Current Burning Index	Fire Danger	Fri 6/23/17 6:00 pm CDT	Fri 6/23/17 6:00 pm CDT
	Current Fire Danger:	LOW	LOW
	Burning Index:	14	10
55 5 ² 20 14 2	Spread Component:	7	1
	Ignition Component:	15%	20%
84 12 14	NFDRS Fuel Model:	Т	R
11 JUN - 11	1-hr Fuel Moisture:	5%	6%
58 14 9	10-hr Fuel Moisture:	8%	9%
	Soil Moisture:	22%	57%
40 32 12	KBDI:	281	322
	Relative Greenness:	74%	92%

These data tables list the most important fire weather and fire danger variables. A nice feature of these tables is that these variable names are LINKS to the current statewide maps for those variables. Just click on the variable name (in this example, "Max Wind Gust") and a statewide map will come up for that variable.

			OK-FÀRE	Wind Gusts
Station:	Stillwater	Oilton 🗙		Backto Current Maps 📑 Share 🔳 Tweet
Weather	Fri 6/23/17 7:15 pm CDT	Fri 6/23/17 7:15 pm CDT	12	
Relative Humidity:	37%	46%	19 18	
Past 1-hr RH Change:	+2 %	+6%	40	20 21 27 20 24 19 13 9 $-$
10-m Wind:	NNE at 15 mph	N at 7 mph	5 30-	21 - 29 - 27 - 26 - 25 - 14 - 13 - 12 - 11 - 22 - 11 - 12 - 11 - 12 - 11 - 12 - 11 - 12 - 11 - 14 - 13 - 15 - 16 - 14 - 13 - 16 - 14 - 13 - 16 - 14 - 14 - 13 - 16 - 14 - 14 - 14 - 14 - 14 - 14 - 14
Max Wind Gust:	22 mph	12 mph	2 12 20	23 18 29 31 25 20 15 15 17 17 19 19 18 31 22 14 15 17 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 18 19 19 18 19 18 19 18 10 10 10 10 10 10 10 10
Temperature:	82°F Heat Index: 81°F	82°F Heat Index: 82°F	ਵੈ 10 -	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
24-hr Rainfall:	0.00 in	0.00 in	0	26 23 23 14 16 20 1 - 3 - 3 26 24 24 13 14 18 19 18 - 3 - 3
Dispersion:	Moderately Good	Good		24 24 20 16 17 12 10 111 7 14 4
Sunrise / Sunset:	6:12 am / 8:49 pm	6:10 am / 8:46 pm	Mesonet	Where while a service and a construction
			Wind Gusts (mph)	7:15 PM June 23, 2017 CDT

Click on the OK-FIRE logo above the map to get back to the home page.

Current Regional Maps Centered about the Primary Mesonet Station

To the left of these data tables are current regional maps centered about the primary station for some important fire weather and fire danger variables. As you can see below, the top regional map is for Relative Humidity and Wind Direction, while the second one below it is for Burning Index. Since Stillwater is the primary station, you can see that these regional maps are centered about Stillwater, giving a nice multi-county zoomed-in view that the statewide maps do not afford.

OK-FØRE		ſ	🖪 Share 🕒 Tweet
Current Relative Humidity and Wind Direction	Station:	Stillwater	Oilton 🗙
45	Weather	Fri 6/23/17 7:20 pm CDT	Fri 6/23/17 7:20 pm CDT
44 45	Relative Humidity:	40%	47%
41 + 45 + 44 * *	Past 1-hr RH Change:	+5%	+6%
46 44 40 43 41 47 39 41 46 4 44	10-m Wind:	N at 16 mph	N at 6 mph
	Max Wind Gust:	24 mph	10 mph
	Temperature:	81°F Heat Index: 81°F	82°F Heat Index: 82°F
	24-hr Rainfall:	0.00 in	0.00 in
	Dispersion:	Moderately Good	Moderately Good
	Sunrise / Sunset:	6:12 am / 8:49 pm	6:10 am / 8:46 pm
0 100			
Current Burning Index	Fire Danger	Fri 6/23/17 6:00 pm CDT	Fri 6/23/17 6:00 pm CDT
	Current Fire Danger:	LOW	LOW
	Burning Index:	14	10
55 5 ² 20 14 2	Spread Component:	7	1
	Ignition Component:	15%	20%
84 14 10	NFDRS Fuel Model:	т	R
······································	1-hr Fuel Moisture:	5%	6%
58 14 11 9	10-hr Fuel Moisture:	8%	9%
	Soil Moisture:	22%	57%
32 12	KBDI:	281	322
	Relative Greenness:	74%	92%

12-Hour Forecast Charts for Primary and Secondary Stations

Below this section (maps and data tables) on the home page are forecast charts over the next 12 hours for the primary station and (if there is one) for the secondary station. The first chart is for Relative Humidity and Winds (the two most important fire weather variables) and the second chart below it is for Burning Index and 1-hr Precipitation. These forecasts are based on the latest 6-hour update of the North American Mesoscale (NAM) model. The text above the graphs within the orange rectangle (added to the image below) show what forecast is currently being used and when the next update is expected.



Convenient Left Menu Items

Located within the orange rectangle (added to the image below) are links to some of the most important and commonly used items in OK-FIRE, allowing for easy access by the user.



More details on these left menu items are given in the PDF document "Overview of Left Menu Items on OK-FIRE" found in the "Contacts and Learning Tools" section of OK-FIRE.