

FARSITE weather data generators from the National Weather Service.

FARSITE Wind (.WND) and Weather (.WTR) files are generated from a digital forecast database.

These input files are best suited for producing short term fire projection analysis. For medium and long term projections (beyond the forecast) weather and wind scenarios will need to be manually created in FARSITE using the weather and wind stream editor.

Once an input file is created it produces a 7 day point forecast that is generated from weather grids.

Outputs generated for .WND file (example)

Date Hour Speed Direction Cloud Cover

ENGLISH

```
05 10 0000 05 280 11
05 10 0100 05 280 11
05 10 0200 04 260 11
05 10 0300 04 260 11
05 10 0400 04 260 11
05 10 0500 01 220 04
05 10 0600 01 220 04
05 10 0700 01 220 04
05 10 0800 02 210 04
```

Outputs generated for .WTR file (example)

Date Precip Hour1 Hour2 Temp1 Temp2 RH1 RH2 Elevation

ENGLISH

```
05 10 00 0600 1700 28 53 97 28 5707
05 11 00 0600 1700 34 55 86 35 5707
05 12 00 0600 1700 31 53 95 42 5707
05 13 00 0600 1700 32 56 87 41 5707
05 14 00 0600 1700 36 55 90 44 5707
05 15 00 0600 1700 33 51 98 54 5707
05 16 00 0600 1700 28 45 99 50 5707
```

Points to consider

Although a very easy and practical tool, remember that you click and point for the forecast but the forecast is based off a 5km grid and in complex terrain may not be well represented. When projecting in complex terrain it is best to consult with a meteorologist.

Modifications to files can easily be made in FARSITE weather or wind stream editor.

The NWS clearly disclaims that this is an experimental product and always appreciates feedback if you suspect problems with data and/or forecast and the applicability of the tool.

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Fire Weather Zones

Select Interface: Fire Weather Zones Point Forecast Matrix Digital Point Forecast FARSITE Obs/RAWS [Activity Planner](#)

Surrounding Offices: [Missoula](#) | [Pendleton](#) | [Portland](#) | [Seas](#)

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Fire Weather Planning Forecast last issued: N/A

Click a location on the Map below OR Select a Fire Weather Zone from the drop down box OR enter a lat/lon location in decimal degrees

Fire Weather Zones: Or Lat: Lon:



****Experimental****

FARSITE Weather Input

National Weather Service
Spokane



This page shows fire agency requested weather data generated dynamically from weather grids for long range fire planning and strategy support. There are two files for each weather input (WND and WTR). Requested FARSITE weather input is data produced from the WFO Spokane's digital forecast database.

If you suspect problems with the data, please call immediately.

Click on the file name and Save the files on your hard drive or in your project folder.

Files are for lat/lon location: 48.5372/-118.7114

Farsite Weather (WTR) file

Farsite Wind (WND) file