



# AFDRS Fire Danger Ratings Table

The AFDRS Fire Danger Ratings Table products provide a summary of Fire Danger Ratings over the coming days.

## What has changed?

The existing 4-day Fire Danger Rating (FDR) Table will be updated to use Fire Behaviour Index (FBI) and shows the new ratings categories out to 4 days. An additional table will be provided to relevant registered users that will provide further spatial and temporal information.

## What will it look like?

The Fire Danger Rating Table has two versions for each State and Territory:

- Public-facing version that replicates the current product with the addition of fire behaviour index values.
- Registered user version that provides fire danger ratings and fire behaviour indices at both a fire weather district and sub-area level out to 7 days.

The Fire Danger Rating will correspond to the 90<sup>th</sup> percentile value of the FBI for the district/area, in line with the current system.

## When will it be issued?

The FDR tables are issued twice per day: once in the morning, with the first day in the table being the current day (today), and again in the afternoon starting from the following day (tomorrow).

Products are updated when, and if, agreed amendment criteria are met.

## 4-day Public Product

The 4-day public product emulates the existing FDR table.

Ratings will be in line with the new AFDRS rating categories based on the following thresholds:

- No Rating FBI 0-11
- Moderate FBI 12-23
- High FBI 24-49
- Extreme FBI 50-99
- Catastrophic FBI ≥ 100

Ratings are available at the fire weather district level only.

Fire Weather District	Thursday	Friday	Saturday	Sunday
North West Pastoral	High 35	Moderate 22	Moderate 20	No Rating 7
North East Pastoral	High 29	Moderate 22	Moderate 21	Moderate 12
West Coast	High 36	Moderate 16	Moderate 22	No Rating 4
Eastern Eyre Peninsula	Extreme 79	Moderate 15	Moderate 22	Moderate 14
Lower Eyre Peninsula	Extreme 64	Moderate 14	Moderate 19	Moderate 15
Flinders	Extreme 90	Moderate 16	Moderate 18	Moderate 14
Mid North	Extreme 78	Moderate 19	Moderate 16	Moderate 20
Mount Lofty Ranges	Catastrophic 116	Moderate 20	Moderate 15	Moderate 21
Adelaide Metropolitan	Extreme 95	Moderate 23	Moderate 16	Moderate 18
Yorke Peninsula	Extreme 76	Moderate 23	Moderate 18	Moderate 12
Kangaroo Island	Extreme 84	Moderate 20	Moderate 21	High 25
Riverland	Extreme 75	Moderate 18	Moderate 22	Moderate 14
Murraylands	Extreme 82	Moderate 15	Moderate 20	Moderate 16
Upper South East	Extreme 96	Moderate 16	Moderate 17	High 24
Lower South East	Extreme 79	Moderate 20	Moderate 20	Moderate 17

## 7-day Agency Product

The agency version will show FDR and FBI values out to 7 days. Rating categories may be abbreviated in some product formats due to page width requirements, as shown below.

The non-static version, such as html, allows FDR and FBI values for sub-areas within the fire weather district to be displayed.

In this example, the table is expanded for the West Coast district to indicate the ratings for the sub-areas in html format.

It is possible for a sub-area rating category to be higher than the overall fire weather district rating category.

Fire Weather District	Thursday	Friday	Saturday	Sunday	Monday	Tuesday	Wednesday
North West Pastoral	HI 27	MOD 12	MOD 17	MOD 14	NoR 11	MOD 15	MOD 17
North East Pastoral	HI 30	MOD 12	MOD 12	MOD 13	NoR 11	MOD 14	MOD 14
West Coast	HI 35	MOD 14	NoR 10	NoR 7	NoR 7	MOD 17	MOD 17
Ceduna	HI 31	NoR 10	MOD 15	MOD 12	MOD 13	MOD 16	MOD 16
Elliston	MOD 16	NoR 11	NoR 11	NoR 10	NoR 7	MOD 17	HI 25
Streaky Bay	HI 28	NoR 11	NoR 8	MOD 13	NoR 7	HI 25	HI 25
Wudinna	MOD 14	NoR 9	MOD 14	NoR 11	NoR 11	MOD 13	HI 25
Eastern Eyre Peninsula	EXT 55	MOD 17	MOD 13	MOD 14	MOD 14	MOD 16	MOD 16
Lower Eyre Peninsula	EXT 52	MOD 15	NoR 11	MOD 14	MOD 14	HI 25	HI 25
Flinders	EXT 67	NoR 11	MOD 13	MOD 12	MOD 12	HI 25	HI 25
Mid North	EXT 60	NoR 8	NoR 7	NoR 10	NoR 7	HI 19	HI 19
Mount Lofty Ranges	CAT 105	MOD 14	NoR 7	MOD 13	MOD 14	HI 25	MOD 14
Adelaide Metropolitan	EXT 74	MOD 12	NoR 11	NoR 11	NoR 10	MOD 16	MOD 17
Yorke Peninsula	EXT 71	NoR 10	NoR 9	MOD 13	MOD 13	HI 25	MOD 16
Kangaroo Island	EXT 70	MOD 13	MOD 12	HI 27	HI 25	HI 28	HI 26
Riverland	EXT 58	NoR 11	MOD 14	HI 28	HI 25	MOD 17	MOD 17
Murraylands	EXT 52	MOD 13	MOD 17	MOD 16	HI 25	HI 25	HI 25
Upper South East	EXT 50	NoR 7	MOD 15	HI 25	HI 25	HI 29	HI 25
Lower South East	EXT 69	NoR 7	NoR 11	MOD 15	HI 25	MOD 15	MOD 16

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For more information about the AFDRS Fire Danger Rating Table, contact the **Fire, Heatwave and Air Quality Environmental Prediction Services Team** at [fireweather@bom.gov.au](mailto:fireweather@bom.gov.au).