Weather Air temperature (C) Dew point (C) Relative humidity (%) 10 50 40 0 20 30 -10 10 20 --20 **VPD** Wind speed (m/s) 25 30 20 15 20 10 **Fuel** Fuel load (t/ha) Fuel moisture (%) 6 150 4 100 2 50 Fire behavior Rate of spread (m/s) Surface soil temp (C) Flame temp (C) 30 500 -400 -400 20 300 -200 10 200 -100 location Central Grasslands Hettinger