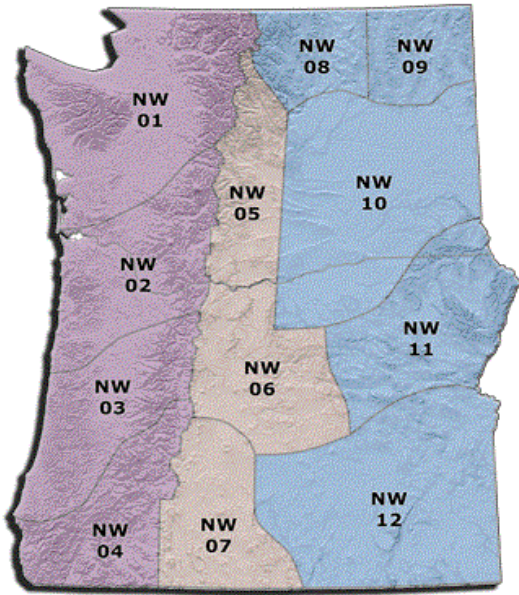


10 Day Predicted ERC and F100 (Fuel Model Y)



Friday, October 11, 2024

10-day estimates of ERC & 100hr Fuel Moisture by PSA based on expected weather



These estimates of ERC and F100 are based on regression developed here at NWCC. The equations use gridded data from weather models as predictors

The historical percentile values cover a data sample from January thru December 2005 thru 2023

| | | Forecast | | | | | | | | | | | 10/11 Climo mean | Annual Percentiles | | |
|----------|------|----------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------|--------------------|------|------|
| | | Obs | | td | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | | Sun | 85th | 95th |
| | | yd | td | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun | | 15th | 5th | |
| PSA NW01 | ERC | 9 | 14 | 16 | 17 | 13 | 6 | 3 | 1 | 1 | 1 | 1 | 9 | 22 | 31 | |
| | F100 | 22 | 21 | 20 | 20 | 21 | 23 | 23 | 24 | 24 | 25 | 25 | 23 | 17 | 14 | |
| PSA NW02 | ERC | 18 | 19 | 21 | 22 | 19 | 9 | 8 | 2 | 2 | 5 | 4 | 11 | 27 | 36 | |
| | F100 | 21 | 20 | 19 | 19 | 20 | 22 | 22 | 23 | 23 | 23 | 23 | 23 | 16 | 13 | |
| PSA NW03 | ERC | 23 | 25 | 21 | 21 | 22 | 13 | 11 | 6 | 6 | 12 | 5 | 13 | 30 | 39 | |
| | F100 | 18 | 18 | 18 | 18 | 18 | 20 | 20 | 22 | 22 | 21 | 23 | 21 | 15 | 13 | |
| PSA NW04 | ERC | 34 | 33 | 29 | 29 | 30 | 22 | 19 | 14 | 14 | 16 | 12 | 23 | 39 | 47 | |
| | F100 | 15 | 16 | 17 | 17 | 16 | 18 | 19 | 20 | 20 | 19 | 21 | 18 | 13 | 11 | |
| PSA NW05 | ERC | 34 | 36 | 37 | 37 | 36 | 29 | 25 | 20 | 21 | 23 | 15 | 25 | 37 | 45 | |
| | F100 | 15 | 15 | 14 | 14 | 14 | 15 | 16 | 17 | 17 | 17 | 18 | 18 | 14 | 12 | |
| PSA NW06 | ERC | 38 | 38 | 37 | 37 | 38 | 34 | 29 | 24 | 23 | 26 | 19 | 29 | 44 | 53 | |
| | F100 | 13 | 14 | 14 | 14 | 14 | 14 | 14 | 14 | 15 | 15 | 16 | 16 | 12 | 10 | |
| PSA NW07 | ERC | 41 | 39 | 33 | 33 | 35 | 33 | 26 | 23 | 23 | 26 | 18 | 31 | 43 | 50 | |
| | F100 | 12 | 13 | 14 | 15 | 15 | 16 | 16 | 17 | 18 | 18 | 19 | 15 | 12 | 11 | |
| PSA NW08 | ERC | 41 | 40 | 41 | 41 | 38 | 34 | 32 | 25 | 24 | 22 | 15 | 28 | 45 | 54 | |
| | F100 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 16 | 16 | 17 | 18 | 17 | 11 | 10 | |
| PSA NW09 | ERC | 40 | 38 | 39 | 38 | 35 | 33 | 27 | 18 | 18 | 16 | 7 | 23 | 40 | 52 | |
| | F100 | 13 | 14 | 14 | 14 | 14 | 14 | 16 | 18 | 18 | 19 | 20 | 18 | 12 | 10 | |
| PSA NW10 | ERC | 40 | 38 | 37 | 35 | 33 | 31 | 28 | 22 | 20 | 20 | 12 | 32 | 54 | 63 | |
| | F100 | 14 | 15 | 15 | 16 | 16 | 17 | 18 | 18 | 19 | 20 | 20 | 16 | 10 | 8 | |
| PSA NW11 | ERC | 41 | 39 | 37 | 38 | 39 | 40 | 30 | 25 | 22 | 26 | 17 | 28 | 45 | 56 | |
| | F100 | 11 | 12 | 12 | 13 | 13 | 13 | 14 | 15 | 16 | 17 | 18 | 16 | 11 | 9 | |
| PSA NW12 | ERC | 49 | 48 | 44 | 43 | 44 | 44 | 34 | 29 | 28 | 30 | 19 | 36 | 55 | 64 | |
| | F100 | 10 | 10 | 11 | 12 | 12 | 12 | 13 | 14 | 14 | 14 | 15 | 14 | 9 | 8 | |

Cumulative ERC Trend (Fuel Model Y)

The table to the right shows, on each day, the forecasted change in the ERC relative to the current observed ERC. On red shaded days ERC-Y values are expected to be ≥ 5 higher (drier) than currently while on the blue shaded days ERC-Y values are expected to be ≥ 5 lower (wetter) than currently. In terms of ERC-Y, bold red fonts indicate the driest day and bold black fonts the wettest day during the 10 day period

| | | td | Sat | Sun | Mon | Tue | Wed | Thu | Fri | Sat | Sun |
|----------|-----|-------------|-------------|------------|------|-------------|-------|-------|------------|-------|--------------|
| PSA NW01 | ERC | 4.3 | 7.2 | 7.3 | 3.3 | -3.3 | -5.8 | -8.3 | -8.2 | -8 | -8.6 |
| PSA NW02 | ERC | 1.5 | 3.2 | 3.7 | 0.8 | -8.4 | -10.3 | -15.7 | -16 | -12.6 | -14.2 |
| PSA NW03 | ERC | 1.7 | -2 | -1.9 | -1.4 | -10.5 | -12.2 | -17.6 | -16.9 | -11.4 | -18.1 |
| PSA NW04 | ERC | -1.3 | -5.5 | -5.3 | -4.5 | -12 | -15.2 | -19.9 | -20 | -18.2 | -22.2 |
| PSA NW05 | ERC | 1.3 | 2.4 | 2.1 | 1.6 | -5.4 | -9.6 | -14.8 | -13.9 | -11.3 | -19.1 |
| PSA NW06 | ERC | 0.3 | -0.9 | -0.8 | 0.2 | -4.2 | -9.2 | -13.9 | -15.1 | -12.4 | -19.4 |
| PSA NW07 | ERC | -1.2 | -7.7 | -8.1 | -5.8 | -7.2 | -14.5 | -17.4 | -17.4 | -14.7 | -22.6 |
| PSA NW08 | ERC | -1.1 | -0.5 | -0.8 | -3.2 | -7.5 | -9.5 | -16 | -17 | -19.4 | -26.1 |
| PSA NW09 | ERC | -1.6 | -1.4 | -2.4 | -4.6 | -7 | -13 | -21.7 | -22.3 | -23.6 | -32.6 |
| PSA NW10 | ERC | -2.5 | -3.2 | -4.8 | -6.7 | -9.5 | -12.5 | -18 | -19.8 | -20.6 | -28.4 |
| PSA NW11 | ERC | -1.9 | -3.3 | -2.8 | -1.5 | -0.4 | -10.5 | -15.4 | -18.6 | -15 | -23.9 |
| PSA NW12 | ERC | -1.2 | -5.3 | -6 | -5.4 | -5 | -15.7 | -20.5 | -21.3 | -19.4 | -30.1 |