

TEMPERATURE BOTTOM LINE

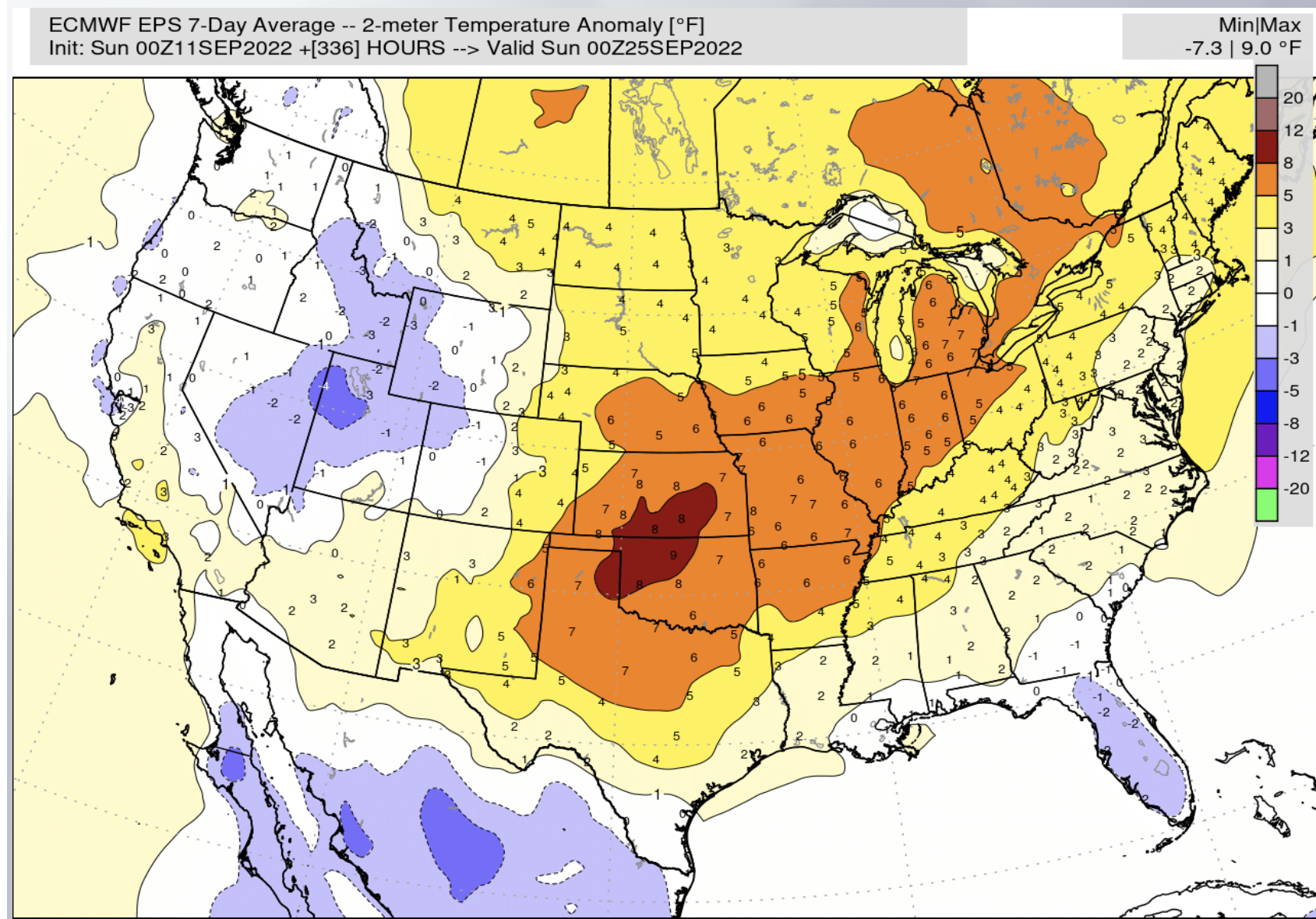
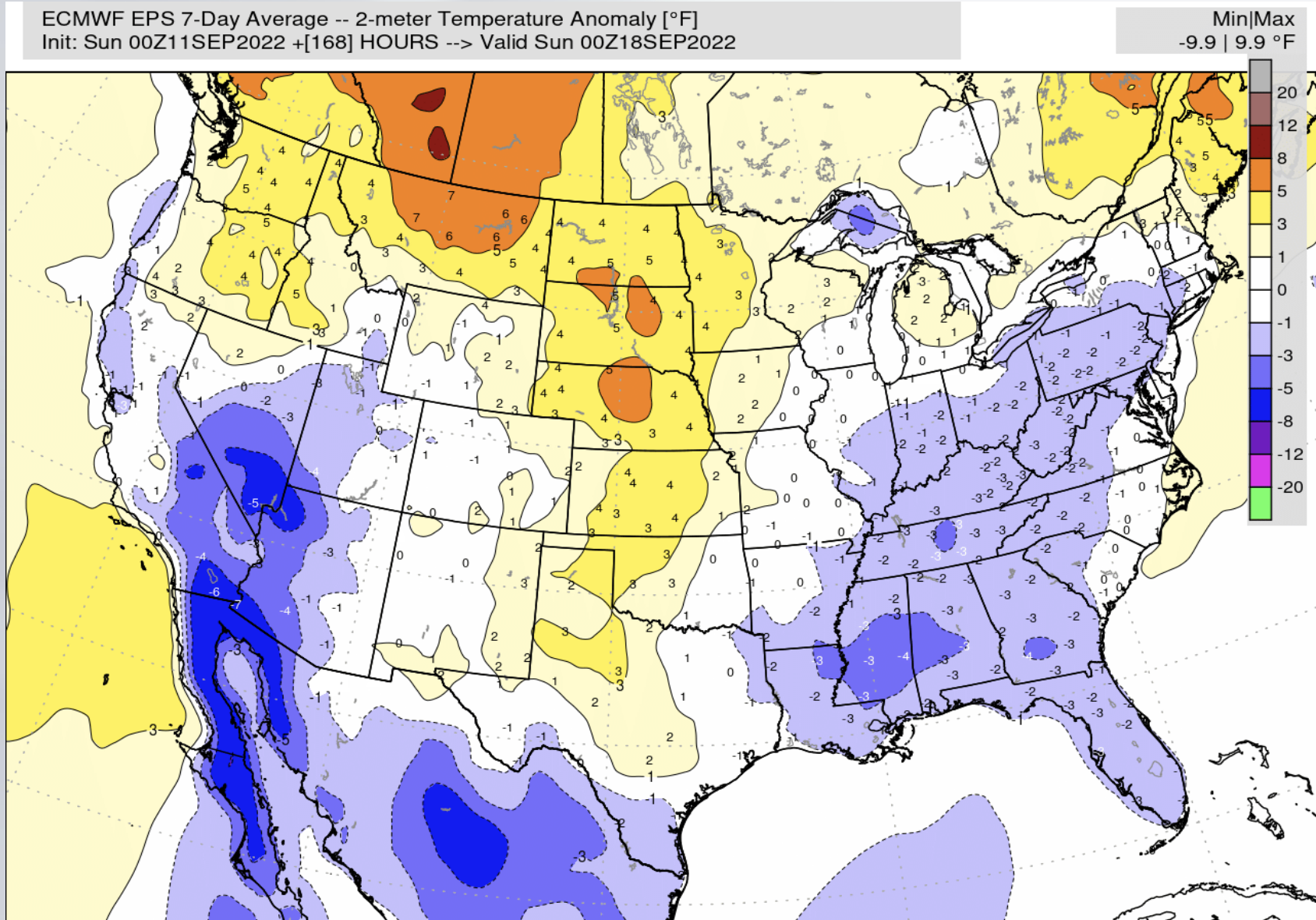
PREPARED BY: John Kemper

September 11, 2022



WEEK 1 TEMPERATURE ANOMALY FORECAST (9/12 – 9/18)

WEEK 2 TEMPERATURE ANOMALY FORECAST (9/19 – 9/25)



This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

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- ✓ As an impactful cold front moves eastward from the Great Lakes region toward the northeastern US, the risk for above average warmth will spread across the N Plains into the Central US by midweek.
- ✓ From the Ohio Valley into the Mid-Atlantic / Southeast, cooler more seasonable temperatures are expected to start the week due to the passage of the cold front. Toward the end of week 1, temperatures will gradually warm as the upper-level ridge extends further eastward.

- ✓ Data over the weekend has trended to a more widespread, warmer solution across the Central Plains in the Midwest to begin the Week 2 Period. Some uncertainty still exists with tropical forcing in the western Pacific, which could influence the exact extent and timing of this above average pattern.
- ✓ A Cold front is anticipated to sweep across the Ag Belt towards the end of the week 2 period. While magnitude of event will depend on East Asia/Tropical forcing influences, a cooler risk will gradually work its way across the Rocky Mountains into the far W Plains.

PRECIPITATION BOTTOM LINE

PREPARED BY: John Kemper

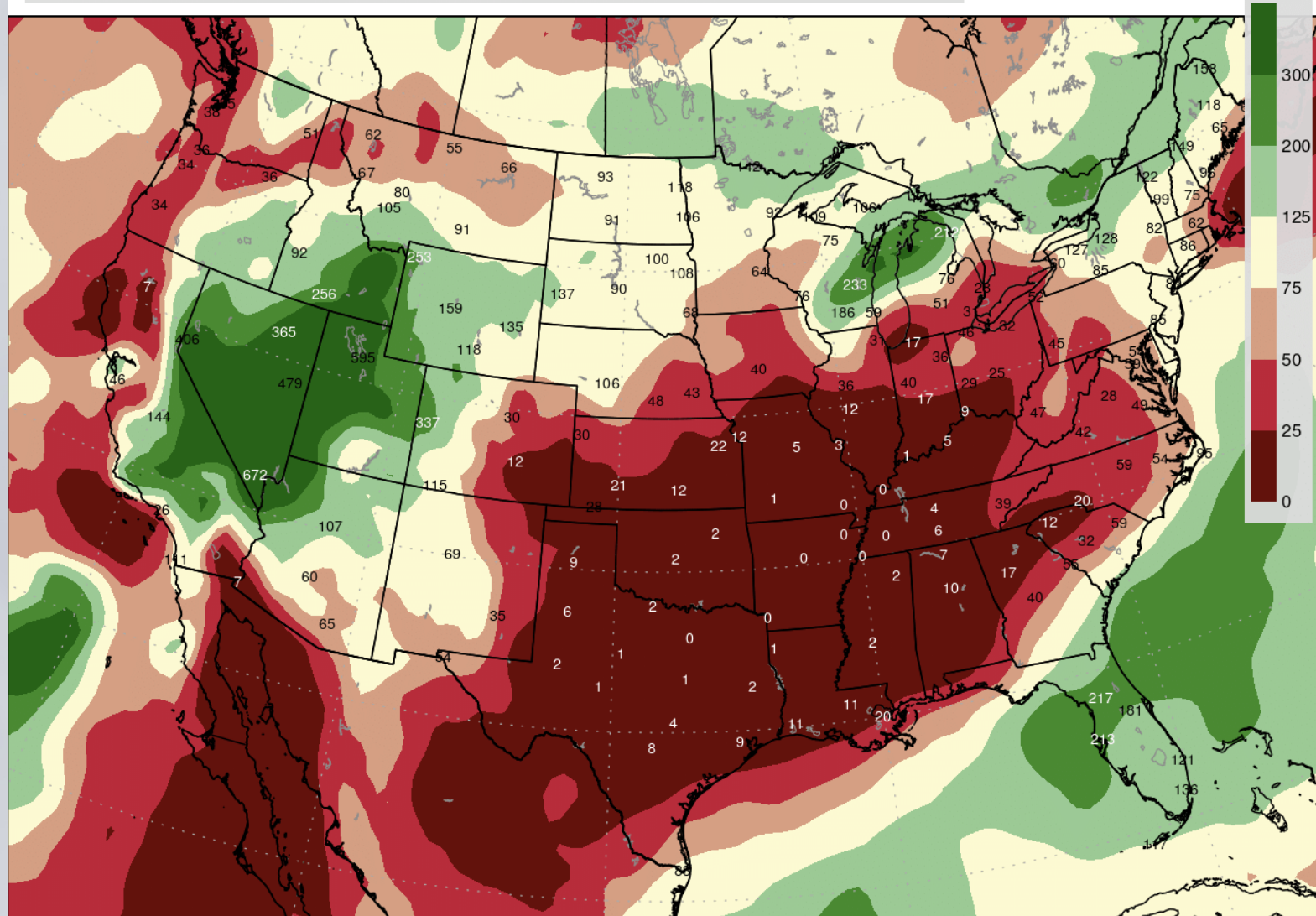
September 11, 2022



WEEK 1 FORECAST RAINFALL TOTALS (9/12 – 9/18)

ECMWF EPS 7-Day Precipitation [% of Normal] | Ensemble Mean
Init: Sun 00Z11SEP2022 +[192] HOURS --> Valid Mon 00Z19SEP2022

Min|Max
0 | 1688 %

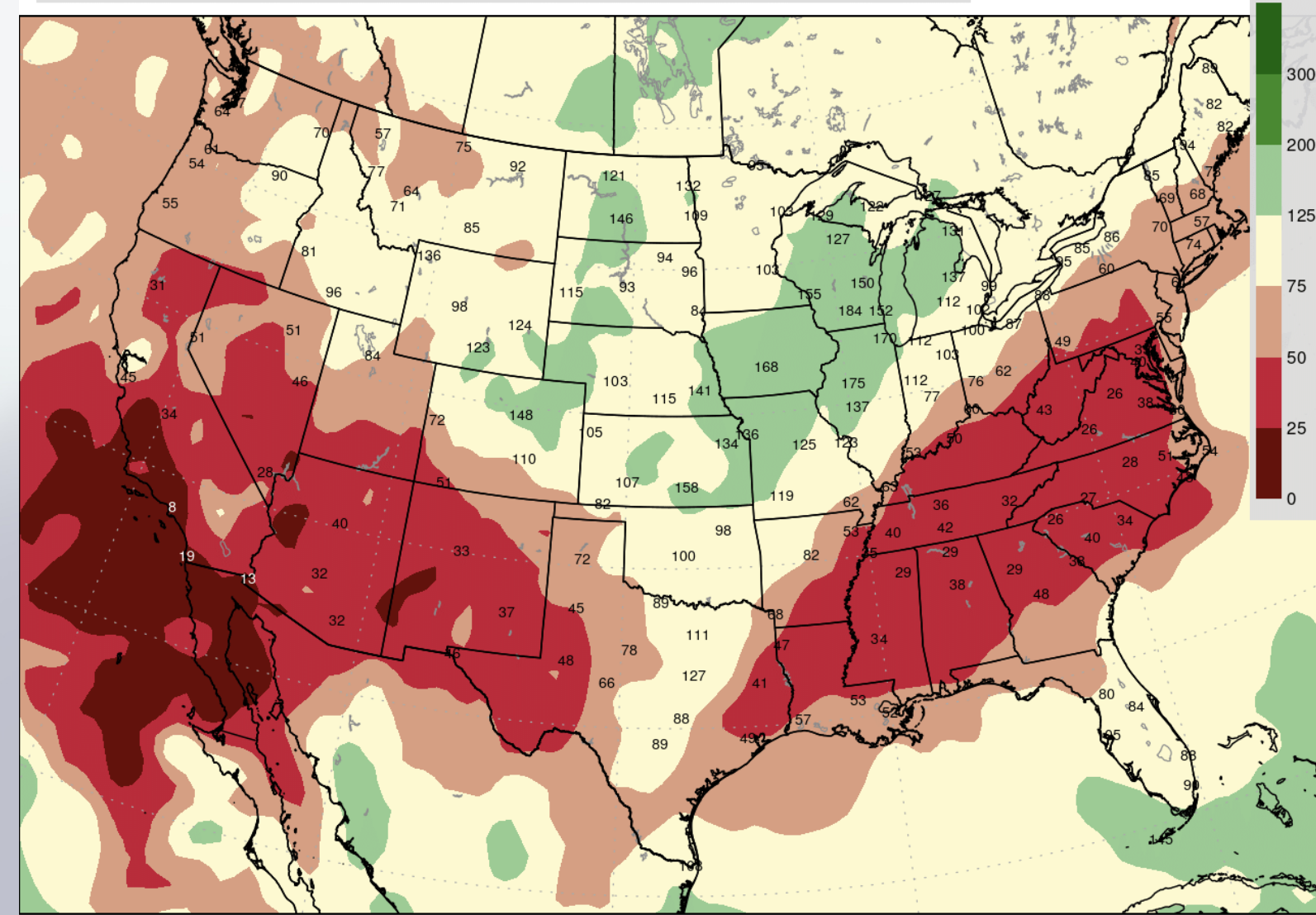


This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

WEEK 2 FORECAST % OF NORMAL RAIN (9/19 – 9/25)

ECMWF EPS 7-Day Precipitation [% of Normal] | Ensemble Mean
Init: Sun 00Z11SEP2022 +[336] HOURS --> Valid Sun 00Z25SEP2022

Min|Max
2 | 474 %



This service is based on data European Centre for Medium-range Weather Forecasts (ECMWF)

- ✓ Excessive Moisture associated with an upper-level low will continue to increase rain chances to start the week for the Great Lakes region. As system pushes eastward and exits the northeast by mid week, drier conditions overall are favored across much of the Ag Belt into the Deep south and Eastern US.
- ✓ Towards the end of week 1, a weaker frontal system will bring some limited, scattered rain chances to the N Plains, Upper Red River Valley.

- ✓ As tropical forcing over the Pacific begins to influence the jet stream, increasing widespread rain chances will be possible towards the beginning of week 2 across the C Plains into the lower Great Lakes region. Tropical analogs are suggestive this pattern may become more progressive and shorten the dry risk into Week 2.
- ✓ While lower confidence in exact placement and magnitude of these chances, will continue to favor below normal precipitation for the Southeastern US due to eastern ridging progressing eastward.

RAINFALL NOTES

PREPARED BY: Matt Griffin

September 11, 2022



WEEKEND RAINS

30 DAY % OF NORMAL RAIN

