



Time: 1049 AM Tue April 27, 2021

Forecaster: Brad Simmons

Heavy Precipitation Outlook

Flash Flood Prediction Program

AFTERNOON THUNDERSTORMS FOLLOWED BY A SOAKING RAIN THIS EVENING AND LIKELY SOME WET SNOW OVERNIGHT

- A potent spring storm system is taking aim at the District today and tonight producing the first widespread thunderstorm activity of the season this afternoon. After the initial wave or two of showers and thunderstorms precipitation will transition to a steady "wetting" rain this evening and continue overnight with the snow level dropping to somewhere between 5,000-6,000ft by tomorrow morning.
- Thunderstorms this afternoon between noon and 4pm may become strong to severe but with low freezing levels the stronger storms will be large hail or accumulating hail producers versus heavy rainfall producers. Weaker storms will be capable of moderate rainfall and small hail. Between 4-8pm the transition from convective storms to a more stratiform rain event is expected to unfold with a steady rain into Wednesday morning and the snow line lowering.
- The snow line is expected to start out at or above 9,000' and lower to around 6,000' by around midnight with potentially a brief period of "wet" snow down to around 5,000' for the I-25 corridor after midnight into daybreak Wednesday. Just a degree or two will make the difference for rain or snow below 6,000'. Smaller creeks and streams will be filling with runoff as the event wears on. Cherry Creek through Denver may be most prone to running high or reaching bike path levels.

STORM RAINFALL POTENTIAL AND DURATION: Strong thunderstorms are expected to produce more hail than rainfall. Weak to moderate thunderstorms will have the potential to produce 0.1-0.5" of rain in 10-30 minutes. Steady moderate to heavy rain may produce 0.3-1.2" in 45-75 minutes.

A LOOK AHEAD: Any snow below 5,500' tomorrow morning will change back to rain as the snowline rises through the day. Precipitation likely remains snow at or above the 7-8,000' line. Widespread and persistent rain/snow showers tomorrow morning will begin to break up by noon slowly becoming dry through the afternoon. Additional precipitation on Wednesday will be light and with cooler temperatures in place no heavy rainfall is expected.

Location	Prime Time	60-Minute Rainfall and % Probability	Message Potential
Plains			
Adams	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Arapahoe	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Boulder	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Broomfield	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Denver	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Douglas	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Jefferson	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	LOW
Foothills above 6500ft			
Boulder	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	NONE
Douglas	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	NONE
Jefferson	1200 PM TO 1000 AM WED	0.1" (100%) to 0.5" (60%) to 1.0" (20%)	NONE

MONITOR NATIONAL WEATHER SERVICE FOR SEVERE WEATHER STATEMENTS.

MHFD Flood Prediction Center: 303-458-0789 [F2P2 Website](#)

