

Effective **May 1, 2015**, the National Weather Service (NWS) FORECAST and FARMERS MAP For Land Application CAFO weather map will be turned off by the NWS and will no longer available on the ADEM webpage.

The AFO/CAFO rules prohibit discharges of pollutants (generally nitrogen, phosphorus, solids, etc.) from land application. Farmers can utilize the local forecast of their choice if it provides sufficiently detailed information on (1) the predicted percent chance of rain and (2) the predicted amount of rainfall to prevent discharges of pollutants after land application and to ensure compliance with **ADEM Admin. Code R. 335-6-7-.26(k)** which states:

Land application of waste/wastewater shall not be undertaken or continue when soil is saturated as defined in NRCS technical standards and guidelines, frozen, covered with ice or snow, during precipitation, or when significant precipitation as defined in NRCS technical standards and guidelines is reasonably expected within the next 72 hours. Waste/wastewater shall be applied in accordance with NRCS technical standards and guidelines and the WMSP. Waste/wastewater shall only be applied on days of the year and during times consistent with NRCS technical standards and guidelines and the WMSP. Land application shall be conducted when vegetation on the site is actively growing or waste/wastewater can be applied to land up to 30 days prior to planting a crop (row or forage). If applied to conventional tillage (farm tillage practices which result in complete surface disturbance and/or soil inversion or minimal surface residues) cropland or to pasture or hay land being renovated or established, the waste/wastewater shall be incorporated immediately after application. Waste/wastewater does not have to be incorporated when applied to conservation tillage (farm tillage practices which manage and maintain plant residues on the soil surface) crop, hay, or pastureland.

Significant predicted precipitation is considered to be greater than a 50% chance of precipitation of 0.5" or more in any 24-hour period over the next 72 hours. The Natural Resources Conservation Service (NRCS) describes significant precipitation as:

**NRCS Nutrient Management Conservation Practice Standard Code 590 (September 2014), 590 – 6, left column** - Animal manure, related organic by-products, or wastewater should not be applied within three days (72 hours) before a storm event having a prediction of: (1) periods of rain, (2) occasional rain, (3) rain likely, or (4) 50% or more probability as predicted by the National Weather Service. ... If any of the above conditions exist ... land application shall not occur in order to provide reasonable assurance that nutrients in storm water runoff will be reduced.

A link from the *Intellicast Weather Service*

( [www.intellicast.com/Local/Weather.aspx?location=USAL0375](http://www.intellicast.com/Local/Weather.aspx?location=USAL0375) ) has been added to the ADEM AFO/CAFO webpage as an additional option for farmers to use that provides both (1) the predicted percent chance of rain and (2) the predicted rainfall amount each day for the next 10-days after you enter the city nearest to your location. The webpage also provides an hourly prediction of rainfall.

**A farmer can print the page or otherwise capture a copy of the forecast on the screen and print for their records.**

See Screen views on page 2.

Please feel free to contact the ADEM AFO/CAFO program staff

( [www.adem.state.al.us/programs/water/waterforms/AFOCAFOAreaMap.pdf](http://www.adem.state.al.us/programs/water/waterforms/AFOCAFOAreaMap.pdf) ) with any questions or to discuss.

## 10-Day Weather Forecast

[New forecast layout! Learn more](#)

Graph Table Descriptive

| Tuesday 04/14                              | Wednesday 04/15                            | Thursday 04/16                             | Friday 04/17                       | Saturday 04/18                             |
|--|--|--|------------------------------------|--|
| 81°   65°<br>Thunderstorm<br>80% / 0.64 in | 77°   65°<br>Thunderstorm<br>80% / 0.83 in | 75°   63°<br>Thunderstorm<br>90% / 0.97 in | 76°   67°<br>Rain<br>90% / 0.75 in | 78°   61°<br>Thunderstorm<br>80% / 0.62 in |

**Tuesday 04/14** 80% / 0.32 in  
 Thunderstorms with locally heavy downpours. High 81F. Winds WSW at 5 to 10 mph. Chance of rain 80%.

**Tuesday Night 04/14** 80% / 0.32 in  
 Thunderstorms early, then variable clouds overnight with still a chance of showers. Low near 65F. Winds light and variable. Chance of rain 80%.

**Sun**  
 6:15 am 7:15 pm

**Moon**  
 Waning Crescent, 7% visible  
 4:44 am 5:10 pm

| Time     | Temp. | Feels Like | Dew Point | Humidity | Conditions               | Precip. | Liquid Precip. | Wind      | Cloud Cover | Pressure |
|----------|-------|------------|-----------|----------|--------------------------|---------|----------------|-----------|-------------|----------|
| 8:00 am  | 68 °F | 68 °F      | 66 °F     | 93%      | Overcast                 | 22%     | 0 in           | 9 mph E   | 99%         | 30.11in  |
| 9:00 am  | 67 °F | 67 °F      | 66 °F     | 96%      | Overcast                 | 0%      | 0 in           | 9 mph E   | 97%         | 30.13in  |
| 10:00 am | 67 °F | 67 °F      | 65 °F     | 93%      | Overcast                 | 0%      | 0 in           | 9 mph E   | 100%        | 30.14in  |
| 11:00 am | 69 °F | 69 °F      | 66 °F     | 90%      | Overcast                 | 0%      | 0 in           | 9 mph E   | 100%        | 30.13in  |
| 12:00 pm | 70 °F | 70 °F      | 66 °F     | 88%      | Chance of a Thunderstorm | 35%     | 0.03 in        | 9 mph ESE | 97%         | 30.12in  |
| 1:00 pm  | 71 °F | 71 °F      | 68 °F     | 89%      | Thunderstorm             | 60%     | 0.06 in        | 9 mph ESE | 96%         | 30.12in  |
| 2:00 pm  | 71 °F | 73 °F      | 67 °F     | 88%      | Thunderstorm             | 84%     | 0.03 in        | 9 mph E   | 96%         | 30.09in  |