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## September 1 Forage Training Will Be Participant Active

(Keith Johnson)

The Purdue University Crop Diagnostic Training and Research Center is offering a daylong program at the Feldun-Purdue Agricultural Center located just west of Bedford on Thursday September 1. Complete details about this training is at the "Upcoming Events" tab at the Indiana Forage Council website (www.indianaforage.org).



Participants at the Forage Management Day will experience active learning. (Photo Credit: Keith Johnson)

The training will be an active experience; so active, that participants will leave the training with grass stains, soil smudges, and hay/silage smells on their clothes! The training emphasizes practical information that will be used on the farm, or will be a valuable resource as agribusiness personnel and educators interact with forage-livestock producers. Certification credits/points are available. Leave the day with a better understanding as to how to calibrate a sprayer, set the gap on a mowerconditioner, sample hay for forage testing analysis, use a sweep net to evaluate presence of insects, calibrate a seeding drill, and determine forage moisture content before baling/chopping occurs. Other takehome information presented will be the use of Unmanned Aerial Vehicles in forage management practices, making best decisions about weed control, and corn silage and forage-sorghum silage management comparisons.

Certification credits/points are available.

Preregistration is required. Cost to attend the day-long training is \$110.

## Arrival Of Cooler Temperatures And Variable Precipitation

(Austin Pearson)

Cooler weather has arrived as all of the Indiana climate divisions. average temperatures were 1-1.8°F above normal, compared to the 4-6°F above normal temperature departures from a week ago. As of August 16, the statewide August average temperature was 74.2°F (1.3°F above normal) (Figure 1). Dips in the minimum temperatures were most notable as many stations recorded temperatures in the upper 40s to mid-50s throughout the week. Tipton County recorded a minimum temperature of 49°F on August 14, which also coincided with a heavy dew event. Prolonged leaf wetness could lead to the onset of agricultural crop disease development across the state. Overall, though, average minimum temperatures ran 1-2°F above normal for central and northern Indiana. Southern Indiana has experienced 2-4°F above normal minimum temperatures so far for the month. Maximum temperatures have been normal for central and northern Indiana; whereas, southern Indiana maximum temperatures were 1-2°F below normal. Modified Growing Degree Days (MGDDs) continued to run near normal to 104 percent of normal in south-central Indiana since April 1, 2022 (Figure 2).

	T	emperature			Prec	ipitatio	1 I	
cd	temp	norm	dev	prcp	norm	dev	percent	Þ
1	73.0	71.8	1.2	1.63	2.08	-0.45	78	
2	72.7	71.3	1.4	1.71	2.03	-0.32	84	~
2 3 4 5	72.3	71.1	1.3	2.20	1.96	0.24	112	
4	74.0	73.0	1.0	2.66	2.16	0.51	123	
5	73.6	72.5	1.1	2.24	1.98	0.26	113	
6	73.4	71.8	1.7	1.55	1.83	-0.28	85	
7	76.8	75.3	1.5	2.35	2.01	0.34	117	12
8	76.5	74.7	1.8	1.99	2.19	-0.20	91	
9	75.4	74.1	1.4	3.00	2.12	0.88	142	1
State	74.2	72.9	1.3	2.15	2.04	0.11	106	5
duest	ern Regi	onal Clima	te Center					3

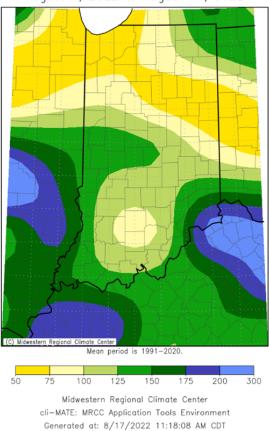
Figure 1. August 1-16, 2022 climate division and state average temperatures, normal temperatures, and temperature deviations, average precipitation, normal precipitation, precipitation deviations, and percent of normal precipitation compared to the 1991-2020 climatological averages.

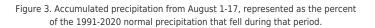
	India				
fied Gr	owing De	gree Days,	Base 50 -	Ceiling	86
DD	Normal	Departure	Percent		
2251	2234	17	101		
2216	2191	25	101		
2216	2177	.39	102		Nº 5
2454	2395	59	102		1
2417	2358	59	102		1
2365	2295	70	103		
2767	2684	83	103		
2706	2610	96	104		
2587	2529	58	102		4
2450	2393	57	102		
			nter		321
		System			Kat h
	DD 2251 2216 2454 2417 2365 2767 2706 2587 2450 ctern R pplied	Field Growing De   DD Normal   2251 2234   2216 2191   2214 2395   2417 2358   2365 2295   2767 2684   2706 2610   2587 2529   2450 2393   ettern Regional	DD Normal Departure 2251 2234 17 2216 2191 25 2216 2177 39 2454 2395 59 2457 2358 59 2365 2295 70 2767 2684 83 2706 2610 96 2587 2529 58 2450 2393 57 ttern Regional Climate Cet upplied Climate Cet	Field Growing Degree Days, Base 50   DD Normal Departure Percent   2251 2234 17 101   2216 2191 25 101   2216 2177 39 102   2454 2395 59 102   2365 2295 70 103   2766 2640 96 104   2587 2529 58 102   2450 2393 57 102   2450 2393 57 102   Cern Regional Climate Center tpplied Climate System tpplied Climate System	Fied Growing Degree Days, Base 50 - Ceiling DD Normal Departure Percent 2251 2234 17 101 2216 2191 25 101 2216 2177 39 102 2454 2395 59 102 2365 2295 70 103 2767 2684 83 103 2766 2610 96 104 2587 2529 58 102 2450 2393 57 102 ctern Regional Climate Center topplied Climate System

Fig )s (Base 50°F, Ceiling 86°F), normal MGDDs, MGDDs departure from normal, and percent of normal MGDDs using the 1991-2020 climatological averages.

Regional differences in rainfall occurred across the state as northwestern and east-central Indiana received shy of 2 inches (Figure 1) through August 16, which was less than 80 percent of the 1991-2020 climatological average. Other locations in Indiana were 125-175 percent of normal (Figure 3). Extreme southeastern Indiana received in excess of 175 percent of normal rainfall. Patoka Lake (Dubois County) is still at the top of the list for total precipitation with 6.13 inches of rain, where 3.82 inches fell on August 6. Huntington County received the least amount of rainfall as 0.63 inches fell, which was 1.11 inches below normal. Many of the central Indiana USGS stream gauges continued to run below normal through much of the north-central and western parts of the state (Figure 4). Despite these measurements, the August 16 US Drought Monitor (Figure 5) saw removal of the Moderate Drought (D1) category and reduced area in the Abnormally Dry (D0) category.

## Accumulated Precipitation: Percent of Mean August 1, 2022 to August 17, 2022





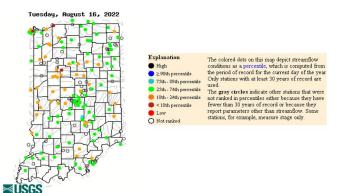


Figure 4. Seven-day average stream flows across Indiana as of Tuesday, August 16, 2022 using data from the USGS Water Watch.

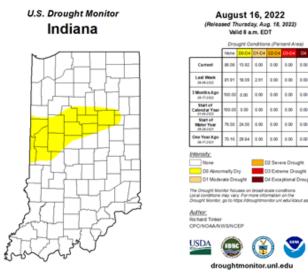


Figure 5. Indiana US Drought Monitor from August 16, 2022.

Turning attention to the Climate Prediction Center outlooks, the 6–10day outlook (August 23-27) expects near normal temperatures to elevated chances of below normal temperatures (southwestern Indiana). There are increased chances of above normal precipitation in central and southern Indiana as well as near normal chances for the rest of the state (Figure 6). The 8–14-day outlook (August 25-31) follows similar confidence (Figure 7).

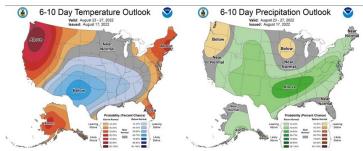


Figure 6. The CPC's 6–10-day temperature (left) and precipitation (right) outlooks for August 23-27, 2022.

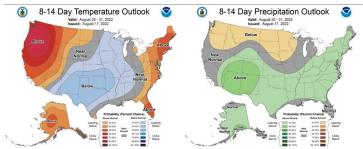


Figure 7. The CPC's 8–14-day temperature (left) and precipitation (right) outlooks for August 25-31, 2022.

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