



**2018 Cotton Research Verification / Sustainability
Weekly Update**

Update No. 10

August 5, 2018

General	There are 12 Cotton Research Verification / Sustainability Program fields in 2018. All fields within the Cotton Verification Program are looking good, and have now reached cutout (NAWF=5). Heat units from cutout in this chart is feedback from COTMAN. Accumulated heat units is from cutout thru August 4 th . Below this chart is the Heat Unit (HU) based termination guidelines for insects.					
County	Field Name (Tillage Practice/ Cover Crop)	Date Planted	Variety	Cutout Date (NAWF=5)	Heat Units from Cutout	General Information
Desha	East Weaver (Farmer Standard / No Cover)	4/30	DP 1646 B2XF	7/20	350.70	Last field visit was on 7/30. Field had good moisture at time of field visit. During visit an average of .50 plant bug nymphs and plant bugs were seen per 5 row foot check, along with some beneficial insects. Cotton had good color, squares are still shedding, and soil is also crusting in the furrows.
Desha	East Weaver (No-till / Cover)	4/30	DP 1646 B2XF	7/20	350.70	Last field visit was on 7/30. Field had good moisture at the time of field visit. During visit an average of 1 plant bug nymph was seen per 5 row foot check. Cotton had good color, squares are still shedding, and soil had minor crusting in the furrows.
Desha	Grain Bin (Farmer Standard / No Cover)	4/30	DP 1646 B2XF	7/18	399.70	Last field visit was on 7/30. Field had good moisture at time of field visit. During visit an average of .33 plant bug nymphs were seen per 5 row foot check, along with some beneficial insects. Cotton had good color, squares are still shedding and minor crusting was occurring in the furrows.
Desha	Grain Bin (No-till / Cover)	4/30	DP 1646 B2XF	7/16	448.70	Last field visit was on 7/30. Field had fair moisture at time of field visit. During visit an average of .33 stink bugs were seen per 5 row foot check, along with some beneficial insects. Cotton had good color, squares are still shedding and minor crusting was occurring in the furrows.
Desha	Shop (Farmer Standard / No Cover)	4/30	DP 1646 B2XF	7/26	207.20	Last field visit was on 7/30. Field had fair moisture at time of field visit. During visit an average of .50 plant bug nymphs were seen per 5 row foot check, along with some beneficial insects. Cotton had good color, minor square shed is still occurring.
Desha	Shop (No-till / Cover)	4/30	DP 1646 B2XF	7/27	183.70	Last field visit was on 7/30. Field had good moisture at time of field visit. During visit an average of 1 plant bug was seen per 5 row foot check, along with some beneficial insects. Cotton had good color, minor square shed is still occurring.

County	Field Name (Tillage Practice/ Cover Crop)	Date Planted	Variety	Cutout Date (NAWF=5)	Heat Units from Cutout	General Information
Desha	Homeplace (Farmer Standard / No Cover)	4/30	DP 1646 B2XF	7/21	323.20	Last field visit was on 7/30. Field had good moisture at time of field visit. During visit no harmful insects were seen during insect checks, but beneficial insects were seen. Cotton had good color, minor square shed is still occurring. Red vine continues to be a problem in this field.
Desha	Wellcot (Farmer Standard / No Cover)	5/2	DP 1646 B2XF	7/28	162.20	Last field visit was on 7/30. Field had good moisture at time of field visit. During visit an average of .50 plant bugs were seen per 5 row foot check, as well as some beneficial insects. Cotton had good color, squares shedding is still occurring.
St. Francis	Conder's (Farmer Standard / No Cover)	5/5	DP 1725 B2XF	7/8	570.20	Last field visit was on 8/2. Field is getting dry; if a rain is not received irrigation will soon be triggered. During visit an average of 1 plant bug was seen per 5 foot row check. Cotton had good color.
St. Francis	Conder's (No-till / Cover)	5/6	DP 1725 B2XF	7/26	185.70	Last field visit was on 8/2. Field had good moisture. During visit an average of .66 plant bugs and .33 plant bug nymphs were seen per 5 foot row check. Cotton had good color.
Mississippi	Manila Airport (Farmer Standard / Cover)	5/15	DP 1518 B2XF	7/31	102.20	Last field visit was on 7/31. Field had good moisture and color. All insect checks were clean.
Mississippi	Manila Airport (No-till / Cover)	5/15	DP 1518 B2XF	7/27	172.70	Last field visit was on 7/31. Field had good moisture and color. All insect checks were clean.

Heat Unit (HU) Based Termination Guidelines

Heat Units Beyond Cutout (NAWF=5)	Target Pest
250	Tarnished Plant Bugs
350	Bollworms, Budworms,
450	Stink Bugs
500	Defoliators (Spider Mites, Armyworms)

Heat Unit Accumulation Beyond Cutout - August 5, 2018

(Cutout = Date of NAWF=5 or latest possible cutout date, whichever is first)

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Date of Cutout	A-State Weather weather.astate.edu			AccuWeather www.accuweather.com			
	Mississippi Co. Manila Airport	Craighead Co. ASU Campus	Poinsett Co. Judd Hill	Clay Co. Corning	Crittenden Co. West Memphis	Lee Co. Marianna	Desha Co. McGehee
7/1/2018	737	749	753	753	782	706	782
7/2/2018	712	725	729	728	757	682	756
7/3/2018	689	700	705	704	733	659	730
7/4/2018	666	677	682	679	709	638	707
7/5/2018	641	652	657	653	683	615	684
7/6/2018	616	628	633	625	658	592	659
7/7/2018	596	606	610	601	634	570	635
7/8/2018	577	587	592	583	612	550	614
7/9/2018	557	566	573	565	590	531	594
7/10/2018	534	545	551	543	567	510	574
7/11/2018	511	521	527	519	544	488	552
7/12/2018	483	497	500	494	518	465	529
7/13/2018	458	472	476	470	493	443	505
7/14/2018	432	448	450	445	467	419	479
7/15/2018	405	420	422	417	440	395	453
7/16/2018	379	394	395	394	412	371	426
7/17/2018	356	371	372	371	386	347	400
7/18/2018	332	348	348	349	360	324	377
7/19/2018	310	326	325	325	337	304	354
7/20/2018	288	304	303	303	313	280	328
7/21/2018	263	278	277	278	288	258	300
7/22/2018	239	252	253	255	264	236	274
7/23/2018	222	231	233	236	244	216	248
7/24/2018	206	213	217	218	227	201	228
7/25/2018	189	194	199	199	208	185	207
7/26/2018	169	173	177	178	186	165	187
7/27/2018	149	152	156	158	164	146	163
7/28/2018	130	133	136	140	144	128	142
7/29/2018	112	116	119	122	126	111	124
7/30/2018	97	99	100	105	107	93	106
7/31/2018	82	85	84	88	90	77	89
8/1/2018	67	68	68	72	74	63	71
8/2/2018	54	53	54	58	58	51	55
8/3/2018	38	37	38	40	40	36	39
8/4/2018	21	19	20	21	21	19	21