



Indiana Crop & Weather Report

INDIANA AGRICULTURAL STATISTICS
U.S. DEPARTMENT OF AGRICULTURE

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CROP REPORT FOR WEEK ENDING AUGUST 24

Crop conditions have improved with substantial rainfall during the past two weeks, according to the Indiana Agricultural Statistics Service. Although corn in the dough stage and soybeans setting pods are both ahead of normal, recent cool temperatures have slowed crop development. Corn denting is slightly behind normal and the soybeans have not begun to shed leaves. Fewer than normal growing degree days is also a concern for most farmers. Major activities during the week were baling hay, mowing pastures, spraying weeds, and preparing equipment for fall harvest.

CORN

Corn condition is rated 54 percent good to excellent, up from 42 percent last week. Eighty-one percent of the corn is in the **dough** stage, ahead of 53 percent last year and the 77 percent average. Fourteen percent of the corn is in the **dent** stage, ahead of 13 percent last year, but behind the 24 percent average for this date.

SOYBEANS

Condition of the **soybean** crop is 60 percent good to excellent, up from 48 percent a week ago. Ninety-three percent of the crop is **setting pods**, ahead of 57 percent last year and 86 percent for the 5-year average.

OTHER CROPS

Pasture condition is rated 38 percent good to excellent, up from 16 percent last week. Second cutting of **alfalfa** is 96 percent complete, third cutting is 6 percent complete.

DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 3.3 days were rated **suitable for fieldwork**. **Topsoil moisture** was rated 10 percent short, 79 percent adequate and 11 percent surplus. **Subsoil moisture** was rated 4 percent very short, 22 percent short, 65 percent adequate and 9 percent surplus.

CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
Percent				
Alfalfa 2nd Cutting	96	94	98	99
Alfalfa 3rd Cutting	36	25	N/A	N/A
Corn Dough	81	55	53	77
Corn Dent	14	N/A	13	24
Soybeans Podding	93	75	57	86

CROP CONDITION

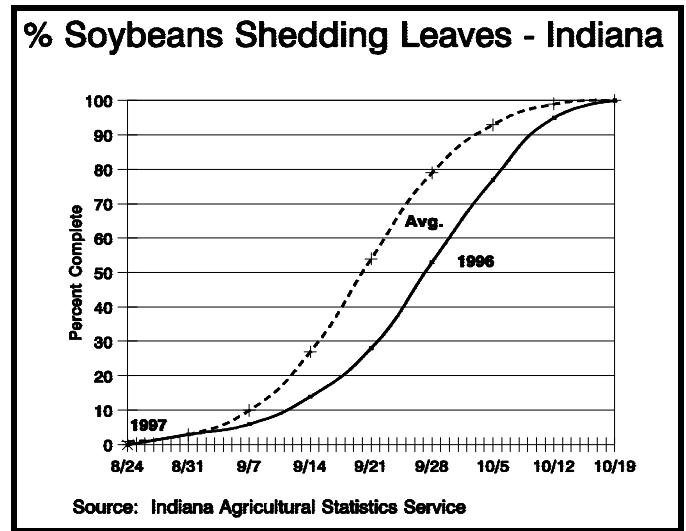
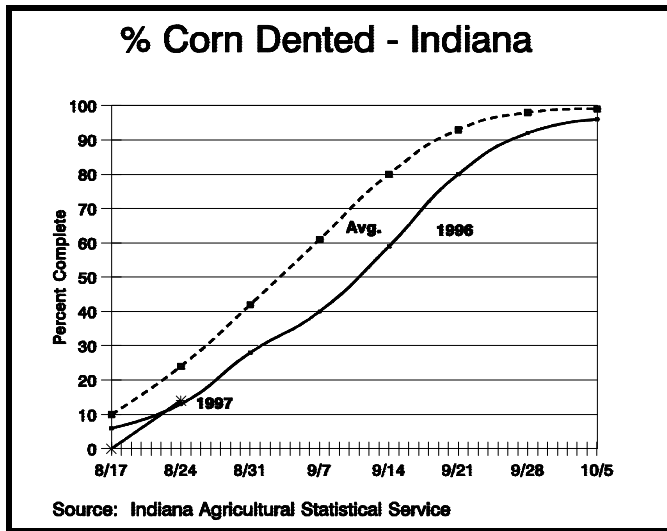
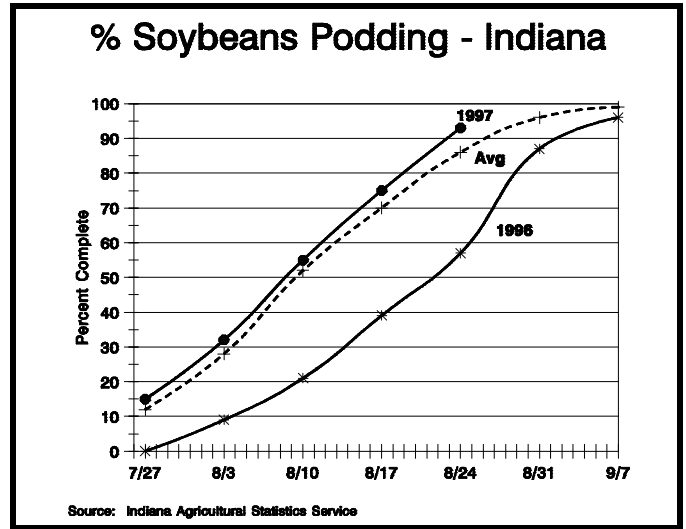
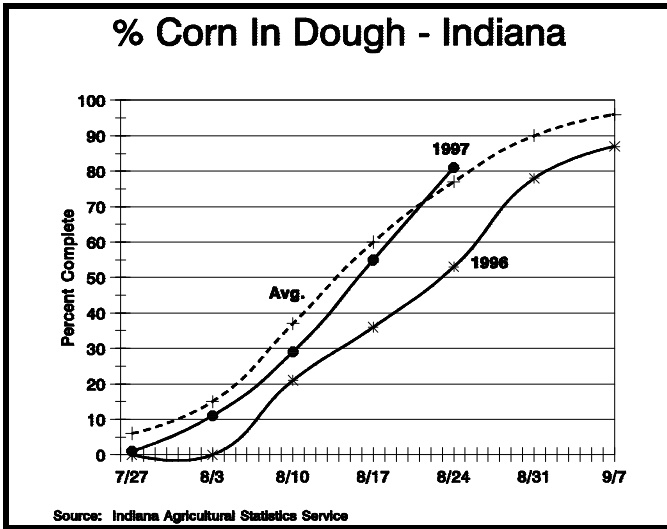
Crop	Very Poor	Poor	Fair	Good	Excellent
Percent					
Corn	3	8	35	44	10
Soybeans	1	6	33	46	14
Pasture	4	18	40	33	5

SOIL MOISTURE

	This Week	Last Week	Last Year
Percent			
Topsoil			
Very Short	0	19	24
Short	10	35	34
Adequate	79	42	37
Surplus	11	4	5
Subsoil			
Very Short	4	22	15
Short	22	40	35
Adequate	65	37	46
Surplus	9	1	4

--Ralph W. Gann, State Statistician
--Lance Honig, Agricultural Statistician
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Crop Progress



Kernel Development In Corn

Following pollination, kernel development (or grain fill) is the most critical period in the development of the corn plant for the determination of grain yield. Kernel development proceeds through a number of stages which have been characterized by such terms as blister, milk, roasting ear, soft dough, dent, etc. Since these descriptive terms can sometimes be difficult to interpret, alternative systems have been proposed. A staging system widely used by agronomists and crop consultants divides kernel development into 6 stages, designated numerically as R1, R2, through R6. The table below lists kernel developmental stages in sequence and provides a brief description of each phase. As of August 16, 1997 most of the corn in Ohio planted in April or early May had reached the R3/R4 stage or late milk/early dough stage of kernel development.

--Peter Thomison, Ohio State University

Kernel Development in Corn		
Stage 1/	Description	Approx. Days from Silking
Silking (R1)	Fresh green silks, no visible blisters	-
Blister (R2)	Visible blisters w/abundant fluid	12
Milk (R3)	Mostly yellow kernels w/milky white fluid, no solids yet (true roasting ears)	21
Soft Dough (R4)	Pasty or semi-solid (not edible), no visible denting	27
Dent (R5)	Majority of kernels dented or denting	41
Black Layer (R6)	Maximum kernel dry weight, kernel moisture 27%-32%	64

1/ R-stages 1 through 6

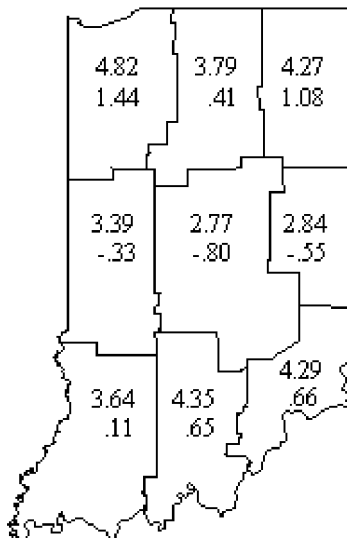
Average Daily Values for week ending Monday morning August 25, 1997

Area	Station	Air			Precipitation			Growing Degree Days		
		Temperature			Past Week	Since April 1	DN Since April 1	Past Week	Since April 1	DN Since April 1
		Max	Min	DN						
NW	Wanatah	73	53	-6	.58	19.98	+1.43	99	2023	-161
	Kentland	74	54	-7	.12	15.57	-3.26	103	2243	-196
	Winamac	72	55	-6	.65	19.48	+1.19	100	2139	-180
NC	South Bend	71	56	-6	.77	15.35	-2.51	102	2114	-147
	Waterford Mills	73	56	-6	1.59	21.82	+4.91	104	2109	-191
NE	Prairie Heights	71	56	-5	.93	17.27	-.37	98	2080	+19
	Columbia City	71	56	-5	.94	19.63	+1.94	101	2136	-59
	Fort Wayne	71	57	-7	1.52	21.76	+5.21	100	2128	-246
	Bluffton	70	57	-7	.74	21.26	+3.65	100	2197	-235
WC	West Lafayette	72	56	-6	.08	17.33	-.99	104	2249	-106
	Lafayette	74	58	-4	.10	16.50	-1.82	115	2357	+2
	Perrysville	73	54	-9	.44	15.31	-5.32	101	2310	-393
	Crawfordsville	74	52	-7	.33	13.96	-4.07	102	2172	-203
	Terre Haute 8s	76	56	-6	1.78	17.82	-1.94	116	2516	-115
C	Tipton	72	54	-7	.51	16.88	-1.75	98	2092	-219
	Indianapolis	75	57	-6	1.21	12.68	-5.97	117	2392	-226
	Indian Creek	75	56	-6	1.08	16.63	-2.62	112	2420	-81
EC	Farmland	72	55	-6	.38	15.61	-2.48	101	2222	-37
	Liberty	74	56	-6	.40	16.37	-3.56	109	2349	-128
SW	Vincennes	75	57	-7	.65	23.91	+4.25	114	2513	-189
	Dubois	76	58	-6	.41	21.60	+.12	121	2469	-174
	Evansville	78	60	-6	.97	15.59	-3.28	138	2665	-281
SC	Bedford	76	56	-6	.98	25.32	+4.78	116	2405	-157
	Louisville	78	62	-5	.67	18.84	-.89	143	2732	-175
SE	Butlerville	75	56	-8	.35	21.26	+1.54	112	2369	-354

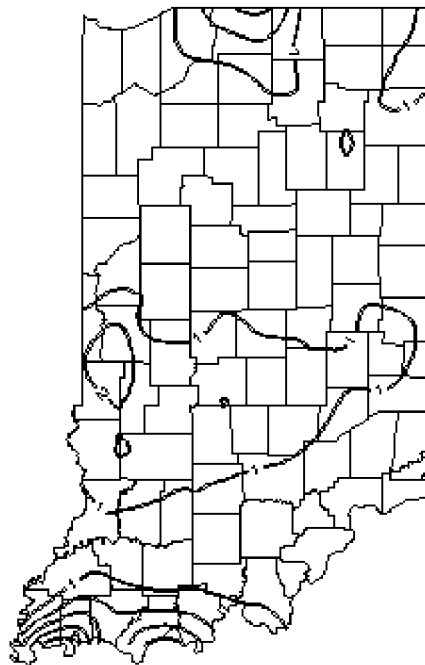
DN = departure from normal.

Growing Degree Days = daily mean - 50 (below 50 adjusted to 50, above 86 adjusted to 86.)

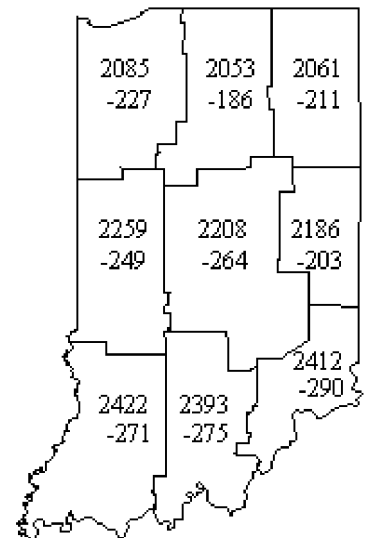
Rainfall for Past 4 Weeks
and Departure from Normal



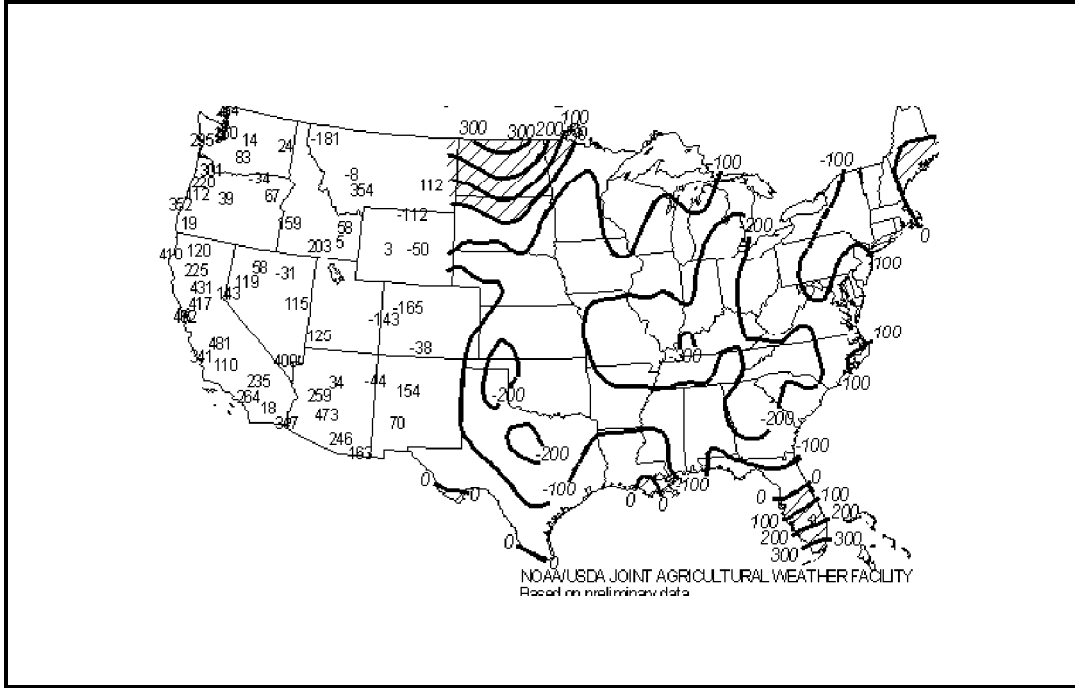
Rainfall of 1 Inch or More
for Past 7 Days
as of Monday morning



Growing Degree Days
and Departure since April 1



Growing Degree Days Departure from Normal April 1 - August 16, 1997



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