



Indiana Crop & Weather Report

INDIANA AGRICULTURAL STAT
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CROP REPORT FOR WEEK ENDING AUGUST 6

Precipitation across most of the state helped to improve crop conditions according to the Indiana Agricultural Statistics Service. Although some areas of the state missed out on much needed rain, other areas received excessive amounts which caused lodging in isolated soybean fields. Major farm activities included baling hay, mowing roads, scouting for insects, spraying, repairing equipment, cleaning out grain bins, and preparing equipment for fall harvest.

CORN

Corn **condition** is rated 80 percent good to excellent compared with 79 percent last week and 30 percent last year at this time. Ninety-nine percent of the corn acreage has **silked** compared with 99 percent last year and 84 percent for the average. Sixty percent of the corn acreage has reached the **dough** stage compared with 49 percent last year and 27 percent for the average. Sixteen percent of the corn is in the **dent** stage compared with 9 percent a year ago.

SOYBEANS

Soybean **condition** is rated 68 percent good to excellent compared with 67 percent last week and 34 percent last year. Ninety-six percent of the soybean acreage is **blooming** compared with 97 percent last year and 81 percent for the average. Seventy percent of the soybean acreage is **setting pods** compared with 70 percent last year and 41 percent for the average. By region, 68 percent of the soybean acreage is setting pods in the north, 74 percent in the central region and 65 percent in the south.

OTHER CROPS

Pasture condition is rated 11 percent excellent, 55 percent good, 31 percent fair and 3 percent poor. Third cutting of **alfalfa hay** is 40 percent complete compared with 46 percent a year ago.

DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 4.1 days were rated **suitable for fieldwork**. **Topsoil moisture** was rated 3 percent very short, 16 percent short, 70 percent adequate and 11 percent surplus. **Subsoil moisture** was rated 5 percent very short, 23 percent short, 67 percent adequate and 5 percent surplus.

CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Corn Silking	99	98	99	84
Corn in Dough	60	35	49	27
Corn Dent	16	NA	9	2
Soybeans Blooming	96	92	97	81
Soybeans Podding	70	47	70	41
Alfalfa, Third Cutting	40	20	46	NA

CROP CONDITION

Crop	Very Poor	Poor	Fair	Good	Excel- lent
	Percent				
Corn	1	3	16	51	29
Soybeans	1	5	26	51	17
Pasture	0	3	31	55	11

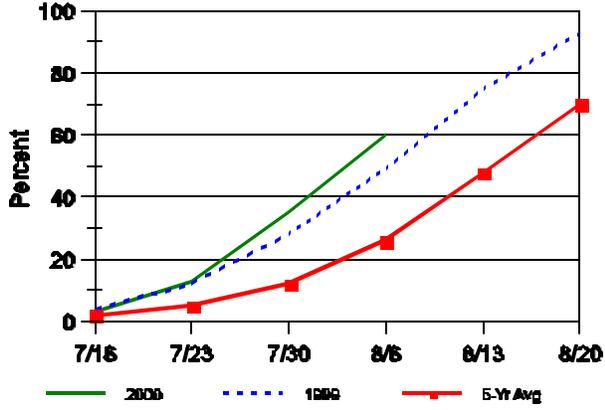
SOIL MOISTURE

	This Week	Last Week	Last Year
	Percent		
Topsoil			
Very Short	3	7	45
Short	16	33	44
Adequate	70	54	11
Surplus	11	6	0
Subsoil			
Very Short	5	7	37
Short	23	28	47
Adequate	67	60	16
Surplus	5	5	0

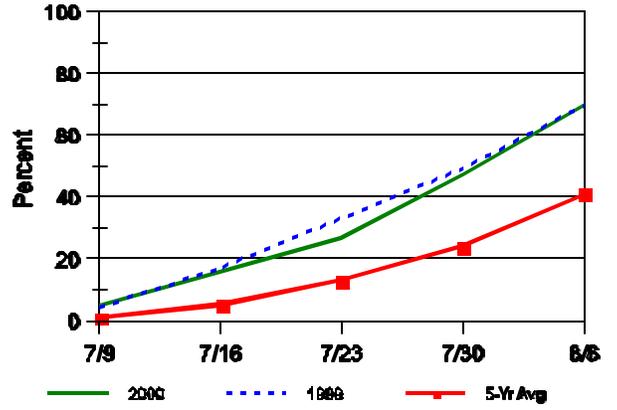
--Ralph W. Gann, State Statistician
 --Andrea Buchanan, Agricultural Statistician
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Crop Progress

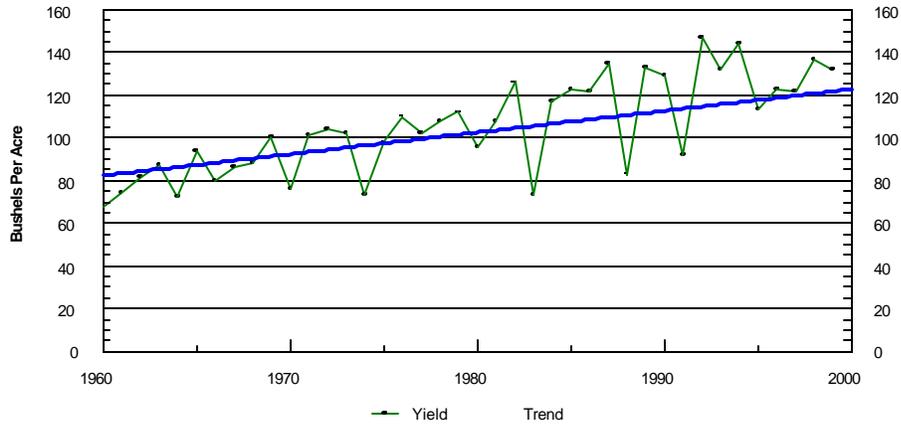
Corn Dough - Indiana
Percent Complete



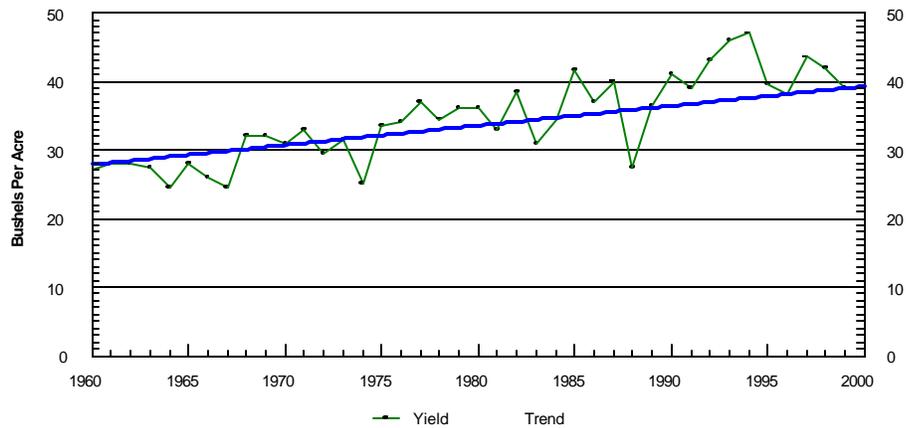
Soybeans Podding - Indiana
Percent Complete



Indiana Corn Yield Trend
Indiana 1960 - 1999



Indiana Soybean Yield Trend
Indiana 1960 - 1999



Weather Data

Week ending Sunday August 6, 2000

Station	Past Week Weather Summary Data							Accumulation				
	Air Temperature				Precip.		Avg	April 1, 2000 thru August 6, 2000				
							4 in Soil	Precipitation			GDD Base 50°F	
	Hi	Lo	Avg	DFN	Total	Days	Temp	Total	DFN	Days	Total	DFN
Northwest (1)												
Valparaiso_Ag	86	56	70	-2	0.26	2		20.64	+3.88	59	1750	-98
Wanatah	87	51	69	-3	0.70	4	77	18.12	+1.80	52	1712	-55
Wheatfield	87	55	70	-2	0.86	3		18.30	+2.36	44	1835	+18
Winamac	86	54	71	-2	1.17	5	75	16.43	+0.45	49	1797	-83
North Central (2)												
Logansport	87	55	71	-3	0.91	4		17.81	+2.38	55	1861	-64
Plymouth	85	57	71	-3	0.89	4		19.44	+2.82	57	1711	-251
South_Bend	83	54	70	-3	0.70	5		17.85	+2.21	57	1750	-84
Young_America	86	53	71	-3	0.32	2		16.61	+1.18	49	1921	-4
Northeast (3)												
Bluffton	87	56	72	-2	2.42	4	73	17.88	+2.29	56	1888	-84
Fort_Wayne	86	56	72	-2	0.85	3		18.19	+3.67	51	1865	-55
West Central (4)												
Crawfordsville	88	52	71	-4	0.36	3	74	14.42	-3.06	47	1811	-262
Perrysville	87	53	72	-3	0.53	4	76	15.96	-1.47	50	1954	-79
Terre_Haute_Ag	91	58	76	+2	1.50	2	77	23.04	+5.41	51	2281	+115
W_Lafayette_6NW	87	51	71	-2	0.71	5	73	16.72	+0.66	53	1940	+18
Central (5)												
Castleton	86	55	72	-4	0.76	5		21.81	+4.65	65	2003	-124
Greenfield	86	54	71	-3	0.73	4		21.63	+3.48	56	2026	-26
Greensburg	86	56	73	+0	0.29	3		21.08	+3.47	61	2086	+80
Indianapolis_AP	87	59	73	-3	0.44	4		17.12	+0.67	48	2123	-23
Indianapolis_SE	86	56	72	-4	1.99	5		20.03	+2.87	50	1989	-138
Tipton_Ag	86	51	70	-3	0.76	4	73	15.24	-1.05	51	1752	-113
East Central (6)												
Farmland	85	51	70	-2	0.95	4	69	21.30	+5.32	57	1869	+52
New_Castle	82	51	68	-5	0.16	3		19.77	+2.21	52	1636	-221
Southwest (7)												
Dubois_Ag	87	61	74	-1	0.86	3	78	17.94	-0.95	58	2276	+103
Evansville	87	63	75	-3	0.82	6		15.64	-1.31	53	2444	-62
Freelandville	87	61	73	-3	1.24	4		21.04	+3.43	45	2225	-13
Shoals	87	60	73	-3	0.85	5		21.47	+2.39	56	2111	-44
Vincennes_5NE	88	63	75	+0	1.43	3	74	21.59	+4.10	52	2212	-26
South Central (8)												
Bloomington	87	58	72	-4	1.06	4		18.12	+0.61	45	2019	-172
Tell_City	88	67	76	-2	0.74	2		18.45	-0.68	43	2385	+3
Southeast (9)												
Scottsburg	88	58	74	-2	0.42	2		23.59	+5.64	47	2258	+37

 DFN = Departure From Normal (Using 1961-90 Normals Period).

GDD = Growing Degree Days.

Precipitation (rain or melted snow/ice) in inches.

Precipitation Days = Days with precipitation of 0.01 inch or more.

Air Temperatures in Degrees Fahrenheit.

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Bean Leaf Beetle Resurgence in Some Soybean Fields

- Significant beetles and leaf feeding in some fields
- Soybean can withstand up to 20% defoliation before economic
- Next generation of beetles will feed on pods

A large number of bean leaf beetle and their defoliation has been evident in several southern and central Indiana fields the past couple of weeks. Their feeding consists of small round holes throughout the soybean canopy, whereas Japanese beetles skeletonize foliage at the top of the plant. These beetles are now emerging from eggs laid in the soil by the overwintering adults that were so plentiful in some fields early this spring.

Soybean plants in the reproductive stage of growth (flowers and pods) can withstand up to 20%

defoliation before economic losses occur. Remember, that one should determine the average defoliation level throughout the plants/area and that damage often appears worse than it really is.

The bean leaf beetle active now will mate, lay eggs and give rise to the second generation. These late emerging beetles potentially have the greatest impact on yield, that is by feeding on the pods. As the soybean plant begins to senesce, the beetles will switch feeding from the foliage to green pods. This is **not** suggesting that we treat soybean now to prevent pod feeding in later August and September. More on pod feeders in future issues of the *Pest & Crop*.

--Source: John Obermeyer, Rich Edwards, and Larry Bledsøe, Dept. of Entomology, Purdue University

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