



Indiana Crop & Weather Report

United States Dept of Agriculture

Indiana Agricultural
Statistics Service

1435 Win Hentschel Blvd.
Suite B105

West Lafayette, IN 47906-4145
(765) 494-8371

Released: August 19, 2002

Vol. 52, No. 33

CROP REPORT FOR WEEK ENDING AUGUST 18

AGRICULTURAL SUMMARY

Major crops received some much needed precipitation during the week in some areas of the state. Rain was spotty with portions of the state receiving little or no showers, according to the Indiana Agricultural Statistics Service. The rain will help pod fill in soybeans and grain fill in corn. Cooler temperatures continued, which helped relieve stress on crops and livestock. There is much variability in some counties as far as crop conditions. Stalks are turning brown in many corn fields. Soybean plants are turning yellow in portions of fields. Reporters indicate many farmers will not get third or fourth cuttings of hay this year. The most critical areas for soil moisture deficiency are in the northeast, east central, southwest, south central and southeast regions of the state.

FIELD CROPS REPORT

There were 6.1 **days suitable for fieldwork**. Corn **condition** is rated 27 percent good to excellent compared with 28 percent last week and 66 percent last year at this time. Virtually all of the corn acreage **silked**. Fifty-six percent of the corn acreage has reached the **dough** stage compared with 91 percent last year and 79 percent for the average. Sixteen percent of the corn acreage has reached the **dent** stage compared with 47 percent last year and 31 percent for the average. Soybean **condition** is rated 34 percent good to excellent compared with 33 percent last week and 64 percent a year earlier. Ninety-five percent of the soybean acreage is **blooming** compared with 100 percent last year and 99 percent for the 5-year average. Sixty-nine percent of the soybean acreage is **setting pods** compared with 96 percent last year and 87 percent for the average.

Other activities during the week included scouting fields, spraying, cutting and baling hay, moving grain to market, cutting silage, repairing equipment, mowing roadsides, cleaning grain bins, hauling manure, attending the state fair and taking care of livestock.

LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 6 percent good, 30 percent fair, 33 percent poor and 31 percent very poor. Pastures continued drying up and are in poor condition in most areas of the state. Third cutting of **alfalfa** hay is 42 percent complete compared with 82 percent last year and 62 percent for the average. Livestock are in mostly good condition. Many livestock producers are feeding hay.

CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year
				Avg
Percent				
Corn in Dough	56	35	91	79
Corn in Dent	16	9	47	31
Soybeans Blooming	95	87	100	99
Soybeans Podding	69	52	96	87
Alfalfa Third Cutting	42	24	82	62

CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excel-
					lent
Percent					
Corn	16	22	35	25	2
Soybean	10	18	38	31	3
Pasture	31	33	30	6	0

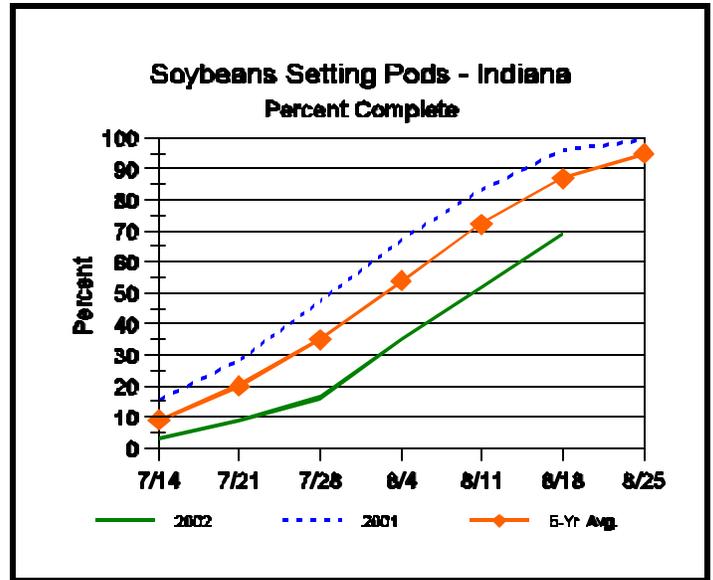
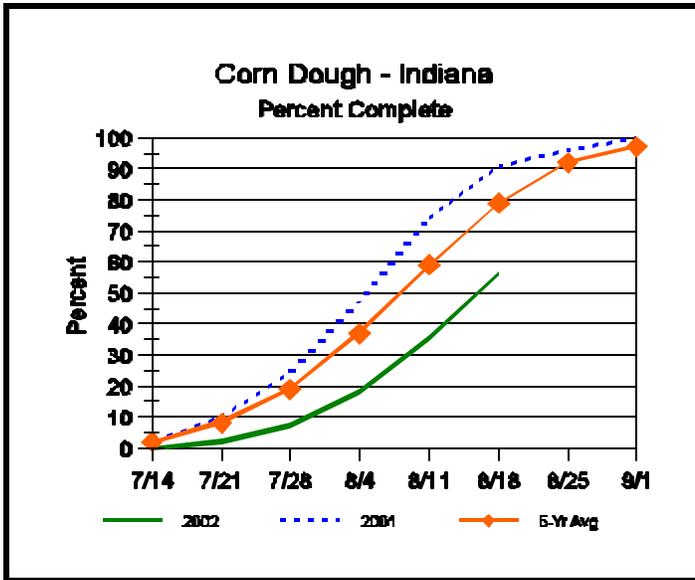
SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

	This Week	Last Week	Last Year
			Percent
Topsoil			
Very Short	39	44	13
Short	42	43	37
Adequate	18	13	48
Surplus	1	0	2
Subsoil			
Very Short	35	35	14
Short	42	43	37
Adequate	23	22	48
Surplus	0	0	1
Days Suitable	6.1	6.9	6.2

CONTACT INFORMATION

--Ralph W. Gann, State Statistician
 --Bud Bever, Agricultural Statistician
 E-Mail Address: nass-in@nass.usda.gov
<http://www.nass.usda.gov/in/index.htm>

Crop Progress



Other Agricultural Comments And News

Droughty Soybeans Still Have A Chance

Soybeans are entering an important growth phase. Plants are now filling pods with seeds. Unfortunately, more than two-thirds of the soybean fields aren't getting the moisture necessary to progress normally. It depends on where you're located in the state as to the condition of the crop. The soybean crop in east central Indiana is very dry and under tremendous stress. The plants are still very, very short, the plant canopy has not closed, and, due to the drought stress, there is quite a bit of floral -- and some pod -- abortion in those fields. On the other hand, west central Indiana has received good rainfall during July and the soybeans look very good at this time.

We are in desperate need of 2 to 3 inches of rain within the next week for the soybeans to resume normal growth. Soybeans, like corn, need an inch of rain per week during critical growing phases. It's not too late to turn this crop around. There is still time for the beans to flower and set pods, but we need the rains rather quickly for that to occur. If we do have adequate rain for normal growth to

resume, we're going to need the rain to carry through to at least the second week of September. We normally say August, but with the late planting of this year's crop we need rain through the first two weeks of September to give us a reasonable yield.

Yield is determined by the number of pods for a given area, the number of seeds in those pods and the weight of the seed within the pod. Stresses at reproductive stages 3 and 4 can reduce the number of pods. Stresses at reproductive stages 5 and 6 can reduce the number of seeds within the pod and also the size of the seed. If any of these yield components are reduced, it'll have a negative impact on the final yield.

Dry conditions are hurting soybeans in another way. Spider mites are thriving on hot, parched crops. Farmers should monitor their fields for

Weather Information Table

Week ending Sunday August 18, 2002

Station	Past Week Weather Summary Data							Accumulation				
	Air							April 1, 2002 thru				
	Temperature				Precip.			August 18, 2002				
	Hi	Lo	Avq	DFN	Total	Days	Soil Temp	Precipitation			GDD Base 50°F	
Northwest (1)												
Chalmers_5W	89	61	74	+3	0.73	4		15.48	-2.06	56	2363	+73
Valparaiso_AP_I	91	58	75	+5	0.58	4		15.77	-2.43	52	2361	+277
Wanatah	92	56	74	+4	0.47	4	80	16.53	-1.22	57	2255	+261
Wheatfield	89	57	74	+4	0.44	4		18.17	+0.88	45	2291	+246
Winamac	87	61	74	+5	0.74	4	77	17.57	+0.05	53	2300	+190
North Central(2)												
Plymouth	90	59	73	+2	0.41	4		16.35	-1.53	58	2197	-11
South_Bend	91	58	76	+5	1.06	4		14.41	-2.67	52	2326	+254
Young_America	87	63	75	+4	0.61	3		17.49	+0.72	49	2400	+236
Northeast (3)												
Columbia_City	87	62	75	+6	0.75	4	76	15.14	-1.84	52	2177	+202
Fort_Wayne	90	65	76	+5	0.57	3		16.22	+0.38	47	2383	+218
West Central (4)												
Greencastle	90	66	76	+2	1.01	3		24.59	+4.66	51	2323	-115
Perrysville	88	63	75	+3	0.76	5	78	21.45	+2.47	53	2463	+183
Spencer_Ag	90	66	76	+5	0.85	2		25.94	+5.51	54	2466	+168
Terre_Haute_AFB	89	65	77	+4	0.50	2		29.16	+10.15	52	2673	+244
W_Lafayette_6NW	88	63	75	+5	0.34	3	78	21.13	+3.57	59	2432	+273
Central (5)												
Eagle_Creek_AP	88	68	78	+5	0.20	2		19.30	+1.41	54	2638	+230
Greenfield	89	68	77	+5	0.53	3		26.67	+6.95	56	2493	+188
Indianapolis_AP	90	67	79	+6	0.27	3		18.19	+0.30	49	2727	+319
Indianapolis_SE	90	68	78	+5	0.15	2		21.75	+3.16	47	2490	+99
Tipton_Ag	88	65	76	+6	0.25	2	80	16.53	-1.31	49	2306	+209
East Central (6)												
Farmland	90	65	77	+8	0.04	2	77	15.93	-1.45	52	2396	+351
New_Castle	88	63	75	+4	0.50	5		18.54	-0.49	45	2128	+34
Southwest (7)												
Evansville	92	68	79	+4	0.38	2		19.11	+0.91	42	3073	+270
Freelandville	91	69	78	+5	0.40	5		21.05	+2.10	44	2802	+292
Shoals	93	67	77	+4	0.66	4		20.72	+0.16	42	2689	+266
Stendal	93	69	78	+4	1.34	2		22.14	+1.87	43	2911	+274
Vincennes_5NE	94	68	78	+5	0.81	6	79	21.88	+2.93	51	2863	+353
South Central(8)												
Leavenworth	89	67	78	+5	0.87	5		20.79	-0.22	44	2773	+359
Oolitic	93	67	78	+6	0.65	4	78	23.64	+3.90	52	2623	+307
Tell_City	91	68	80	+4	1.48	4		20.29	-0.43	34	3179	+504
Southeast (9)												
Brookville	94	68	80	+9	1.55	4		19.91	+0.77	45	2672	+476
Milan_5NE	91	67	79	+7	0.74	4		25.12	+5.98	54	2345	+149
Scottsburg	91	65	78	+5	1.21	4		22.62	+3.16	50	2640	+146

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

GDD = Growing Degree Days.

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

Precipitation Days = Days with precip of .01 inch or more.

Air Temperatures in Degrees Fahrenheit.

Copyright 2002: AWIS, Inc. All rights reserved.

The above weather information is provided by AWIS, Inc.
For detailed ag weather forecasts and data visit the AWIS home page at
www.awis.com or call toll free at 1-888-798-9955.

Droughty Soybeans Still Have A Chance (Continued)

outbreaks. Nutrient deficiency also is a problem; some have reported a lot of fields that tend to be yellowing. Under those conditions look for two things. First of all, look for the possibility of soybean cyst nematode that may be restricting the root system, particularly if the deficiency symptoms appear to be a potassium deficiency. The other element that's causing the yellowing is manganese deficiency. It tends to be more

severe on our sandier, well-drained soils. If deficiency symptoms appear, about the only solution is an application of one pound of elemental manganese per acre, as a foliar application.

Ellsworth Christmas, Agronomy Department,
Purdue University, West Lafayette, IN 47907-
1150.

The INDIANA CROPWEATHER REPORT (USPS 675-770), (ISSN 0442-817X) is issued weekly April through November by the Indiana Agricultural Statistics Service, 1435 Win Hentschel Blvd, Suite B105, West Lafayette IN 47906-4145. Second Class postage paid at Lafayette IN. For information on subscribing, send request to above address. POSTMASTER: Send address change to the Indiana Agricultural Statistics Service, 1435 Win Hentschel Blvd, Suite B105, West Lafayette IN 47906-4145.