Indiana Crop & Weather Report

IASS

INDIANA AGRICULTURAL STATISTICS
U.S. DEPARTMENT OF AGRICULTURE
PURDUE UNIVERSITY
1148 AGAD BLDG, ROOM 223
WEST LAFAYETTE IN 47907-1148
Phone (765)494-8371
Phone (800)363-0469
FAX (765)494-4315
FAX (800)363-0475

Released: Monday, 3PM | August 20, 2001 | Vol. 51, #33 | West Lafayette, IN 47907

CROP REPORT FOR WEEK ENDING AUGUST 19

AGRICULTURAL SUMMARY

Rain in some areas along with cooler temperatures late in the week helped reduce some of the stress on major crops, according to the Indiana Agricultural Statistics Service. Farmers are concerned about the damage from the recent hot weather in corn and soybean fields. Corn plants are turning brown in some fields and pod fill on soybean plants is a major concern of producers. Many farmers are now preparing equipment and grain bins for the upcoming fall harvest. Silage harvest is underway in some corn fields.

FIELD CROPS REPORT

There were 6.2 **days suitable for fieldwork**. Corn **condition** declined and is rated 66 percent good to excellent compared with 73 percent last week and 80 percent last year at this time. Ninety-three percent of the corn acreage has reached the **dough** stage compared with 91 percent last year and 71 percent for the average. Fifty percent of the corn acreage is in the **dent** stage compared with 44 percent last year and 25 percent for the 5-year average. By area, 40 percent of the corn acreage is in the dent stage in the north, 53 percent in the central regions and 65 percent in the south. Soybean **condition** is rated 64 percent good to excellent compared with 67 percent last week and 69 percent last year. Three percent of the soybean acreage is **shedding leaves** compared with 4 percent last year and 2 percent for the average. Ninety-eight percent of the soybean acreage is **setting pods** compared with 93 percent last year and 78 percent for the average. Other activities during the week included, preparing equipment for the fall harvest, baling hay, cleaning grain bins, moving grain to market and care of livestock.

LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 4 percent excellent, 34 percent good, 34 percent fair, 21 percent poor and 7 percent very poor. Third cutting of **alfalfa** hay is 84 percent complete compared with 73 percent a year earlier. Tobacco harvest continued. Livestock are in mostly good condition.

CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Corn Dough	93	78	91	71
Corn Dent	50	31	44	25
Soybeans Podding	98	85	93	78
Soybeans Shedding Lv	3	NA	4	2
Alfalfa Third Cutting	84	70	73	NA

CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excel-lent
			Percent		
Corn	2	8	24	50	16
Soybeans	2	7	27	50	14
Pasture	7	21	34	34	4

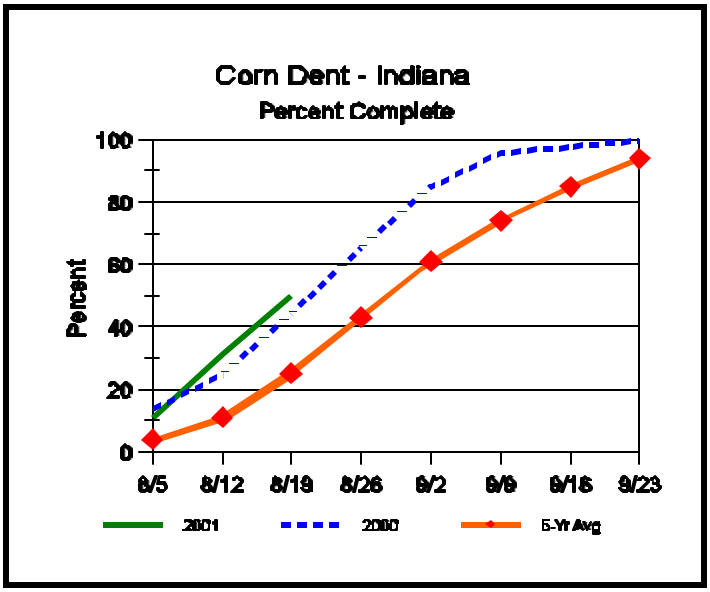
SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

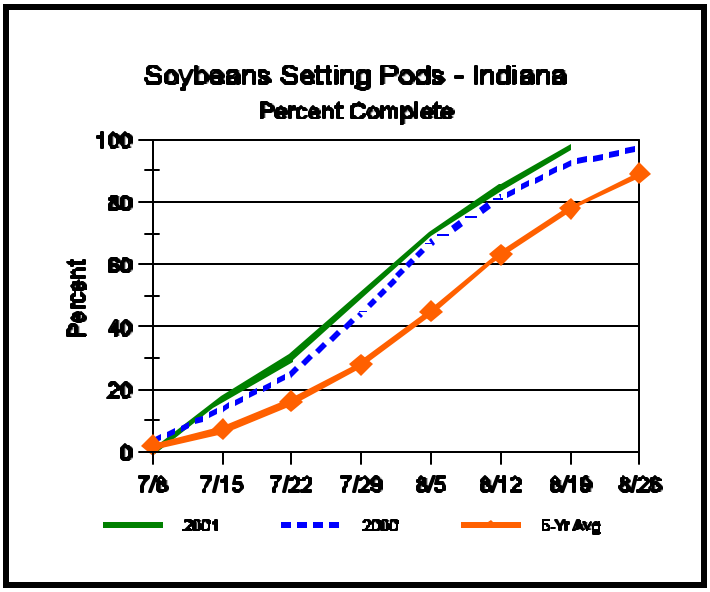
	This Week	Last Week	Last Year
		Percent	
Topsoil			
Very Short	13	11	2
Short	37	30	16
Adequate	48	55	71
Surplus	2	4	11
Subsoil			
Very Short	14	11	5
Short	37	32	23
Adequate	48	55	66
Surplus	1	2	6
Days Suitable	6.2	6.3	5.5

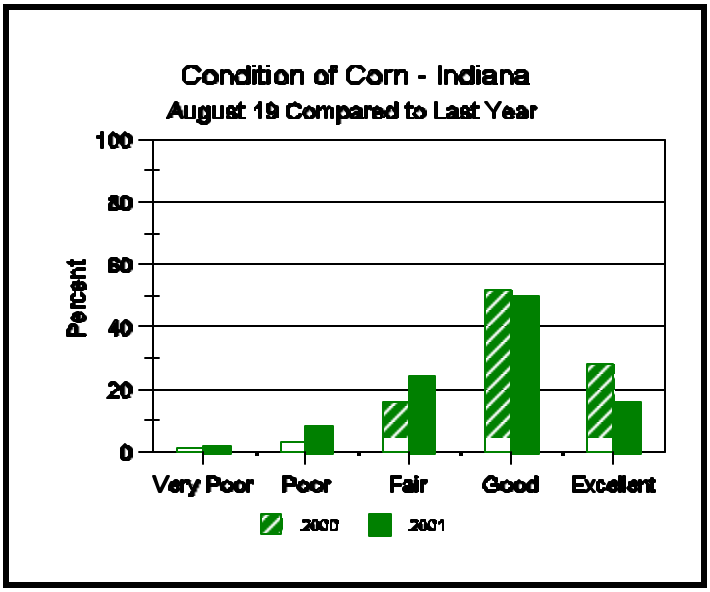
CONTACT INFORMATION

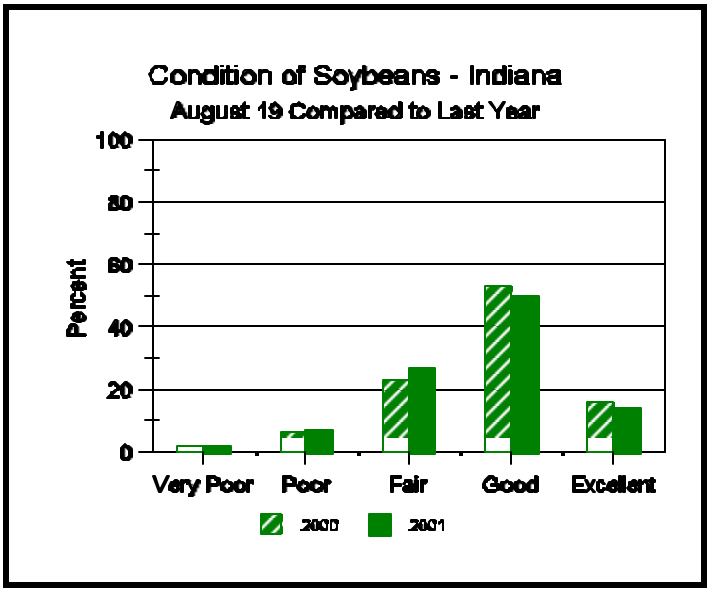
--Ralph W. Gann, State Statistician
--Bud Bever, Agricultural Statistician
E-Mail Address: nass-in@nass.usda.gov
http://www.nass.usda.gov/in/index.htm

Crop Progress









Other Agricultural Comments And News

Soybean Viruses and the Soybean Aphid 2001 Survey

Cooperative research in the Departments of Botany and Plant Pathology and Entomology at Purdue is addressing the newly introduced soybean aphid and its potential to transmit viruses. The soybean aphid is an exotic species with the ability to colonize and reproduce on soybeans. Scouting and sampling of soybeans at the Agronomy Research Center in West Lafayette during July 2001 revealed that virus infected plants were quite rare. Of the three viruses detected, bean pod mottle, tobacco ringspot, and soybean mosaic, only the latter is known to be efficiently transmitted by aphids.

A call for samples! During the 2001 growing season, soybeans are being sampled to determine what viruses are present and to evaluate the potential for the soybean aphid to transmit these viruses. Your willingness to provide samples of plants with virus-like symptoms would be greatly appreciated. Put leaf samples in a paper envelope or bag (not plastic) and send by mail to the address listed at the end of this article on Page 4.

The type of material desired is leaf material collected

(Continued on Page 4)

Weather Information Table

Week ending Sunday August 19, 2001

Station	Past Week Weather Summary Data							Accumulation April 1, 2001 thru August 19, 2001				
	Air Temperature				Precip.		Avg 4 in Soil	Precipitation		GDD Base 50°F		
	Hi	Lo	Avg	DFN	Total	Days	Temp	Total	DFN	Days	Total	DFN
Northwest (1)												
Valparaiso_Ag	79	55	68	-3	1.20	3		16.66	-1.66	65	2344	+240
Wanatah	83	53	66	-5	1.04	3	73	17.67	-0.20	63	2183	+169
Wheatfield	85	48	68	-3	1.66	3		16.39	-1.02	60	2340	+275
Winamac	82	53	69	-3	1.06	3	75	18.44	+0.79	61	2325	+195
North Central(2)												
Logansport	83	54	69	-3	0.95	3		22.95	+6.07	65	2358	+173
Plymouth	81	50	68	-5	1.43	3		18.59	+0.61	60	2200	-29
South_Bend	82	51	69	-3	1.22	3		17.18	-0.02	58	2327	+234
Young_America	83	52	68	-4	1.10	2		19.46	+2.58	57	2405	+220
Northeast (3)												
Bluffton	84	54	71	-2	0.50	2	75	16.54	-0.47	62	2382	+140
Fort_Wayne	84	54	70	-2	1.02	2		19.07	+3.12	59	2346	+160
West Central (4)												
Crawfordsville	86	51	68	-5	0.90	4	74	17.18	-1.87	58	2317	-30
Perrysville	84	49	69	-4	0.73	3	79	14.99	-4.11	53	2490	+189
Terre_Haute_Ag	91	46	70	-5	1.94	4	77	23.46	+4.34	54	2714	+262
W_Lafayette_6NW	84	47	69	-3	0.88	3	77	13.93	-3.75	54	2477	+297
Central (5)												
Castleton	85	58	71	-3	1.02	4		21.20	+2.50	56	2556	+142
Greenfield	88	63	75	+3	0.88	4		22.77	+2.93	59	2681	+354
Greensburg	85	59	71	-1	1.32	4		21.25	+1.94	60	2660	+388
Indianapolis_AP	87	56	72	-2	0.67	3		19.49	+1.49	48	2695	+264
Indianapolis_SE	90	54	71	-3	0.71	4		18.02	-0.68	55	2469	+55
Tipton_Ag	85	52	69	-2	1.38	4	68	16.30	-1.67	49	2286	+169
East Central (6)												
Farmland	85	51	69	-2	1.13	4	71	19.03	+1.54	57	2326	+261
New_Castle	82	54	67	-5	1.43	3		25.97	+6.82	59	2088	-26
Southwest (7)												
Dubois_Ag	87	56	72	-2	1.73	3	78	19.19	-1.52	53	2821	+356
Evansville	88	58	74	-3	1.02	4		18.20	-0.10	54	3066	+237
Freelandville	86	56	72	-3	1.51	3		17.63	-1.42	43	2808	+274
Shoals	87	57	71	-4	1.50	4		19.76	-0.91	53	2664	+218
Vincennes_5NE	88	56	73	-2	0.33	3	78	14.80	-4.25	39	2920	+386
South Central(8)												
Bloomington	86	55	72	-3	1.14	4		18.43	-0.88	54	2666	+182
Tell_City	88	62	75	-2	0.44	1		15.46	-5.38	38	2987	+286
Southeast (9)												
Scottsburg	86	59	73	-2	0.93	3		20.00	+0.42	66	2765	+247

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.

from sites with plants exhibiting symptoms of virus infection (leaf mottling, mosaic, or distortion). The sampling unit is ten trifoliate leaves, each leaf collected from a separate plant (if possible) at the same site. Leaves from non-symptomatic plants of the same variety at the same site are desired, but not essential. Regarding handling, the ten trifoliate leaves can be placed in the same paper bag or envelope; leaves collected from non-symptomatic plants should be kept separate. Mark samples as to soybean variety (if known) and collection site.

Please include your name and a contact phone number or email address. For further information, contact Keith Perry at 765-494-4640 or perry@btny.purdue.edu.

Samples should be sent to: Dr. Keith Perry, Department of Botany and Plant Pathology, 1155 Lilly Hall, Purdue University, W. Lafayette, IN 47907.

Keith Perry, Dept. of Botany and Plant Pathology, Purdue University.

The INDIANA CROP WEATHER REPORT (USPS 675-770), (ISSN 0442-817X) is issued weekly April through November by the Indiana Agricultural Statistics Service, Purdue University, 1148 AgAd Bldg, Rm 223, West Lafayette IN 47907-1148. 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, Purdue University, 1148 AgAd Bldg, Rm 223, West Lafayette IN 47907-1148.