



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

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CROP REPORT FOR WEEK ENDING JUNE 16

AGRICULTURAL SUMMARY

Frequent showers during the week hindered farmers efforts to finish planting activities in many areas of the state, according to the Indiana Agricultural Statistics Service. Thunderstorms popped up in some areas. The best progress for fieldwork was made during the weekend. Most farmers were planting soybeans, spraying for weed control, side dressing corn and trying to get hay cut and baled during the week. Many farmers were not able to plant their intended corn acreage this year, especially in river bottom fields. Soybean planting is 16 days behind the average pace. Winter wheat harvest is underway in the southwestern area of the state.

FIELD CROPS REPORT

There were 4.2 **days suitable for fieldwork**. Ninety-seven percent of the **corn** acreage is planted compared with 100 percent last year and 99 percent for the 5-year average. By area, 99 percent of the corn acreage is planted in the north, 98 percent in the central regions and 92 percent in the south. Eighty-eight percent of the corn acreage has **emerged** compared with 100 percent a year earlier. Corn **condition** is rated 56 percent good to excellent compared with 56 percent last week and 71 percent last year at this time. Eighty-six percent of the intended **soybean** acreage is planted compared with 99 percent a year ago and 96 percent for the average. By area, 94 percent of the soybean acreage is planted in the north, 89 percent in the central regions and 71 percent in the south. Seventy percent of the soybean acreage has **emerged** compared with 98 percent a year earlier. Soybean **condition** is rated 61 percent good to excellent compared with 58 percent last week and 60 percent a year earlier.

Other activities during the week included mowing roadsides, cleaning up and repairing equipment and taking care of livestock.

Ninety-nine percent of the winter wheat acreage has **headed**. Winter wheat **condition** is rated 52 percent good to excellent, below the 54 percent last week and below the 66 percent a year ago. First cutting of **alfalfa** hay is 73 percent complete compared with 78 percent last year and 78 percent for the average. Transplanting of **tobacco** is 68 percent complete compared with 72 percent last year and 66 percent for the average.

LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 21 percent excellent, 62 percent good, 15 percent fair and 2 percent poor. Livestock remain in mostly good condition.

CROP PROGRESS TABLE

Crop	This Week	Last Week	Last Year	5-Year Avg
Percent				
Corn Planted	97	92	100	99
Corn Emerged	88	72	100	NA
Soybeans Planted	86	72	99	96
Soybeans Emerged	70	45	98	NA
Winter Wheat Harvested	2	0	8	5
Tobacco Plants Set	68	48	72	66
Alfalfa First Cutting	73	53	78	78

CROP CONDITION TABLE

Crop	Very Poor	Poor	Fair	Good	Excellent
Percent					
Corn	1	8	35	50	6
Soybean	1	7	31	56	5
Pasture	0	2	15	62	21
Winter Wheat 2002	3	14	31	43	9

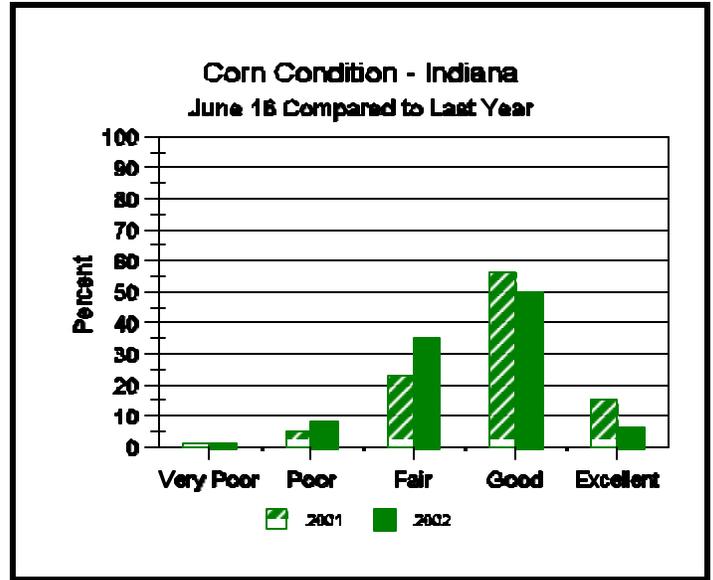
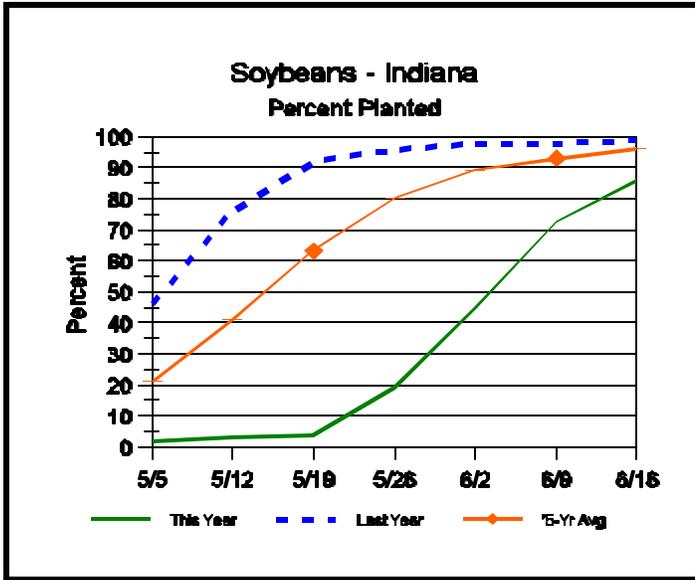
SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

	This Week	Last Week	Last Year
Percent			
Topsoil			
Very Short	0	0	1
Short	3	3	7
Adequate	64	58	75
Surplus	33	39	17
Subsoil			
Very Short	0	0	4
Short	1	1	15
Adequate	67	61	71
Surplus	32	38	10
Days Suitable	4.2	4.2	5.2

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

Wet Soil Conditions - Delayed Soybean Planting

- Continued rains equate to delayed soybean planting.
- The date is approaching to consider changing to an earlier maturity group of soybean.

The [Indiana Crop & Weather Report](#) for the week ending June 9, 2002 indicates that more than one-fourth of the acreage intended for soybeans has yet to be planted, about 18 days behind normal. Rain fall reported across Indiana this past week has been more intense across southern Indiana with most reporting stations having one to two inches for the week with some areas receiving one-half to more than an inch since Sunday. In general, total rainfall across the southern one-half of Indiana is running from about 5 to more than 10 inches above normal for the year to date. Soybean planting obviously has been delayed, with only 52% of the acreage being planted in southern Indiana.

Delayed planting has less effect on the yield of soybeans than on corn. Unlike corn, which requires a certain number of growing degree days to mature, soybeans are sensitive to day length and as the daylength shortens later in the growing season, maturity speeds up. As a general rule of thumb, for each three days planting is delayed, harvest is delayed one day. On page 4 (see table below graph) is a comparison of the yield reduction experienced by corn and soybeans as planting is delayed.

As yield levels of soybeans have increased over the past ten years or so, the percentage yield loss has increased slightly. For example, data from a recent study, given in the graph (on page 4), indicates that the reductions in yield for May 20 and June 10 are about 0.5% per day. Yield losses for the period from June 11 to June 30 are about 1.4 bushels per day for each day of delay after June 10.

We are approaching the date where planting has been delayed enough to consider changing maturity groups. It is advisable to stay with a full-season variety of soybeans for your particular area until about June 15 in the northern one-fourth of Indiana, June 20 for the central one half of Indiana and June 25 in southern Indiana one-fourth of the state. Full season soybeans will almost always give a higher yield than shorter season varieties for a given geographic area even when planting is modestly delayed.

Once June 15 has been reached in Northern, June 20 in central and June 25 in southern Indiana, producers should move from a full season variety of soybeans to a mid season variety for their respective area. This will equate to a change of one-half maturity group assuming that a full season variety is being grown. Additionally, seeding rates should be increased by 15 to 20 percent to promote shading and taller plants to increase podding height and nodes per acre.

A commonly used rule of thumb for a cutoff date to stop planting soybeans is 90 days prior to the first 32 degree frost for a given area within the state. Using a

(Continued on Page 4)

Weather Information Table

Week ending Sunday June 16, 2002

Station	Past Week Weather Summary Data							Accumulation				
	Air Temperature				Precip.		Avg 4 in Soil Temp	April 1, 2002 thru June 16, 2002				
	Hi	Lo	Avg	DFN	Total	Days		Precipitation			GDD Base 50°F	
							Total	DFN	Days	Total	DFN	
Northwest (1)												
Valparaiso_AP_I	89	53	71	+3	0.24	3		10.48	+0.43	31	709	+15
Wanatah	90	51	70	+2	0.31	4	73	10.91	+1.43	35	648	+5
Wheatfield	89	50	70	+2	0.35	3		9.64	+0.29	31	692	+20
Winamac	88	51	69	+0	0.86	5	73	10.73	+1.32	38	674	-54
North Central(2)												
Chalmers_5W	92	52	70	-1	1.35	5		10.11	+0.52	40	722	-93
Plymouth	89	53	70	-1	0.44	5		11.60	+1.74	37	628	-133
South_Bend	88	51	69	+1	0.25	3		9.78	+0.59	36	664	-9
Young_America	89	54	70	+2	1.03	5		11.77	+2.60	35	767	+37
Northeast (3)												
Columbia_City	88	49	69	+2	0.52	4	71	10.59	+1.29	36	631	-2
Fort_Wayne	89	51	71	+1	0.74	4		11.87	+3.14	33	743	+33
West Central (4)												
Greencastle	86	52	70	-2	1.34	4		16.72	+6.32	36	778	-99
Perrysville	88	54	70	+0	2.98	6	73	17.04	+6.89	39	816	+20
Terre_Haute_AFB	90	54	73	+2	0.80	4		24.69	+14.49	39	962	+92
W_Lafayette_6NW	89	54	71	+3	1.04	6	72	15.60	+6.08	42	790	+53
Central (5)												
Brookville	87	56	72	+4	0.92	4		17.88	+7.47	33	895	+157
Eagle_Creek_AP	86	56	72	+1	2.32	6		15.02	+5.52	38	898	+38
Greenfield	88	55	72	+2	1.80	5		17.16	+7.08	41	837	+38
Indianapolis_AP	88	54	72	+1	1.51	5		15.22	+5.72	35	951	+91
Indianapolis_SE	87	53	71	+0	1.43	6		15.92	+6.09	34	844	+9
Tipton_Ag	88	53	70	+1	0.82	4	72	12.32	+2.80	36	737	+42
East Central (6)												
Farmland	89	53	71	+4	0.28	3	69	11.87	+2.31	40	768	+99
New_Castle	84	52	69	-1	0.59	3		14.63	+4.04	32	659	-30
Southwest (7)												
Evansville	89	62	76	+3	0.65	2		15.97	+5.30	30	1203	+136
Freelandville	88	57	74	+3	1.30	4		17.42	+6.49	30	1002	+90
Shoals	88	55	73	+2	1.28	4		18.70	+7.15	31	945	+71
Stendal	87	55	74	+2	1.25	3		19.11	+7.17	30	1080	+101
Vincennes_5NE	90	56	75	+4	1.62	5	74	18.82	+7.89	34	1041	+129
South Central(8)												
Spencer_Ag	87	53	72	+2	1.11	4		18.20	+7.25	40	831	+35
Tell_City	90	62	77	+5	1.10	3		17.48	+5.70	25	1270	+274
Southeast (9)												
Milan_5NE	85	53	70	+0	0.95	5		21.48	+11.07	39	771	+33
Scottsburg	87	56	72	+0	0.57	4		18.48	+7.87	35	954	+45

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

GDD = Growing Degree Days.

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

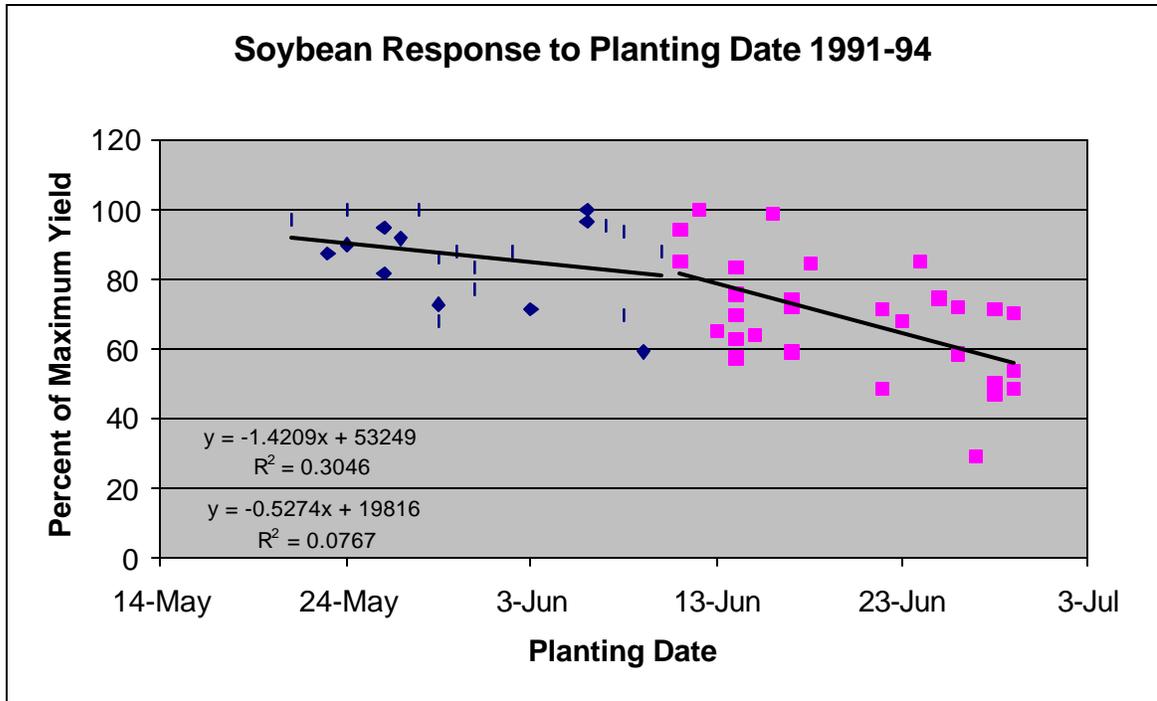
Precipitation Days = Days with precip of .01 inch or more.

Air Temperatures in Degrees Fahrenheit.

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Wet Soil Conditions - Delayed Soybean Planting (Continued)



	May 21	May 26	May 31	June 5	June 10	June 30
Corn	5%	8%	13%	19%	25%	
Soybeans	0	2%	4%	7%	10%	38%

25% probability, or one in four years of a 32 degree or lower temperature, the magical date for the Bluffton area in northeastern Indiana is June 30, while in the Lafayette area it is July 5. Soybean planting should cease in most of the southern half of Indiana by July

10 except for the southwest corner where planting can occur up to July 15.

Ellsworth P. Christmas, Department of Agronomy, Purdue University.

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