



United States Department
of Agriculture

National Agricultural
Statistics Service

Indiana Agricultural
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Indiana Crop & Weather Report



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West Lafayette, IN 47907

CROP REPORT FOR WEEK ENDING JUNE 20

The return of cooler weather last week and scattered rainfall across the state helped to improve soil moisture and crop conditions, according to the Indiana Agricultural Statistics Service. Temperatures averaged below normal throughout the state and rainfall amounts were generally about half an inch in most areas, although varied widely across the state. Winter wheat harvest is underway in the southern part of the state. Major activities during the week included post-emergence spraying, monitoring fields for insects, side-dressing corn, baling hay and care of livestock.

CORN AND SOYBEANS

The **Corn** crop is looking good with 83 percent of the crop in good to excellent condition, up 1 percent from last week. **Soybean** planting is nearing completion. Acres left to plant are mostly those in the southern part of the state that will be double cropped behind wheat. Of the acres planted, 99 percent have emerged. The condition of the crop improved slightly from last week and is now rated 80 percent good to excellent.

WINTER WHEAT

Winter wheat condition is rated 82 percent good to excellent compared with 50 percent last year. **Wheat harvest** is 12 percent complete compared with 7 percent at this time last year. Most of the harvest has occurred in the southwestern area of the state. No disease problems have been reported.

OTHER CROPS

Pasture condition was rated 9 percent excellent, 60 percent good, 27 percent fair, and 4 percent poor. Transplanting of tobacco is 80 percent complete, compared with 58 percent last year and 69 percent for the average. First cutting of alfalfa hay is virtually completed, compared with 87 percent last year and 76 percent for the 5-year average.

DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 5.4 days were rated **suitable for fieldwork**. **Topsoil moisture** was rated 3 percent very short, 22 percent short, 70 percent adequate and 5 percent surplus. **Subsoil moisture** was rated 2 percent very short, 18 percent short, 76 percent adequate and 4 percent surplus.

CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Soybeans Planted	99	98	91	86
Soybeans Emerged	99	93	86	NA
Wheat Harvested	12	1	7	3
Alfalfa, First Cutting	100	95	87	76

CROP CONDITION

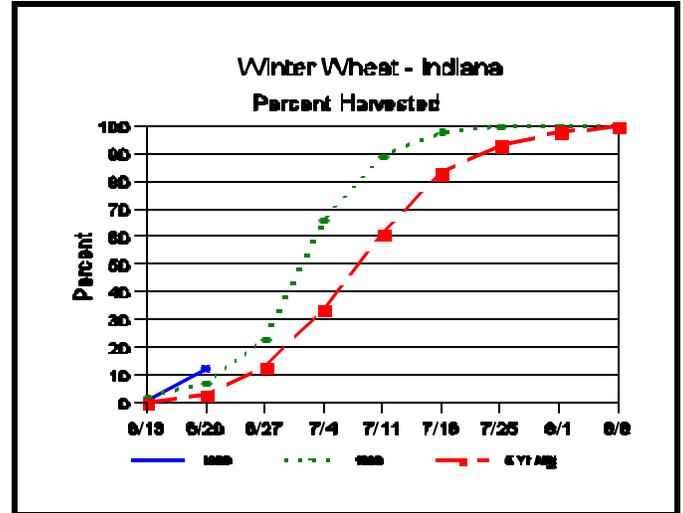
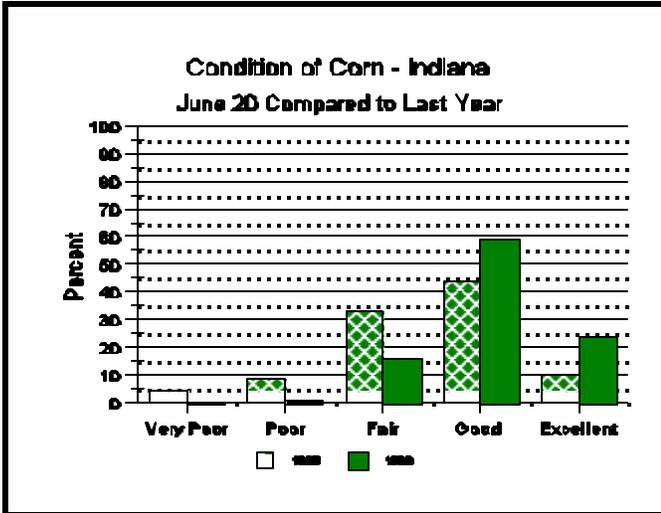
Crop	Very Poor	Poor	Fair	Good	Excellent
	Percent				
Corn	0	1	16	59	24
Soybeans	0	1	19	61	19
Winter Wheat	0	1	17	57	25
Pasture	0	4	27	60	9

SOIL MOISTURE

	This Week	Last Week	Last Year
	Percent		
Topsoil			
Very Short	3	5	0
Short	22	28	1
Adequate	70	63	29
Surplus	5	4	70
Subsoil			
Very Short	2	4	0
Short	18	18	3
Adequate	76	74	39
Surplus	4	4	58

--Ralph W. Gann, State Statistician
--Renee Liles, Agricultural Statistician
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Crop Progress



Double Crop Soybeans Following Wheat

- ' The 1999 wheat harvest will be early!
- ' Double crop soybean production MAY be possible North of the traditional double crop line in 1999.

The 1999 wheat crop is developing at a rate that will result in wheat harvest occurring 4 to 5 days earlier than normal. The possibility of an early wheat harvest has raised a number of questions related to the geographic area of Indiana where double crop soybeans might be successful in 1999.

Before you jump into the double crop arena, you need to be able to answer several questions regarding the production of double crop soybean.

1. Do you have the capability of harvesting wheat at 20-22 percent moisture and drying it to a moisture of 12.5 to 13 percent for market? If you have that capability, then it will be possible to plant double crop soybean in 1999 from 7 to 10 days earlier than normal.
2. In addition to harvesting wheat at higher moisture level, the combine should be equipped with a good chopper and chaff spreader to distribute the residue evenly over the soil. If the straw is to be removed, harvest the wheat so that at least 8 inches of stubble is left after removal of the straw. This

is very important to get the lower pods higher above the soil to prevent harvest loss.

3. Where is your farm located within the state? Using historical weather data and the assumption of an early wheat harvest in 1999, the area of Indiana where double cropping of soybean following wheat could be attempted would be South and West of a line from Brookville northwest to Warsaw and then West to Wheatfield. This is based on a 25 percent probability of a 32 degree frost.
4. Do you have the proper equipment for planting double crop soybean? To be successful with double cropping, it is essential to use a good no-till drill capable of cutting through the residue and placing the seed at the proper depth. Under no condition should tillage be used since this would result in the loss of precious soil moisture. A seeding rate of 200,000-250,000 seeds per acre is essential.
5. What maturity group is best for double crop soybean? I would recommend a variety with a maturity one-half group earlier than a full season variety in your area. For example, if a Group 3.5 is considered a full season soybean for your area, then use a variety with a maturity of 3.0.

(Continued on page 4.)

Weather Data

Week ending Sunday June 20, 1999

Station	Past Week Weather Summary Data							Accumulation					
	Air				Precip.			Avg	April 1, 1999 thru				
	Temperature				Precip.			4 in	June 20, 1999				
	Hi	Lo	Avg	DFN	Total	Days	Soil	Total	DFN	Days	Total	DFN	
Bloomington	87	45	65	-8	0.29	2		10.54	-0.45	32	1116	+138	
Bluffton	76	46	62	-10	0.94	2	73	8.24	-1.92	29	962	+126	
Butlerville	85	45	65	-8	0.51	2	76	9.76	-1.04	40	1076	+50	
Castleton	83	48	64	-9	0.24	3		9.36	-0.87	39	1034	+109	
Crawfordsville	80	41	61	-11	0.07	2	71	9.69	-0.95	33	877	-44	
Dubois_Ag	87	48	66	-7	0.12	1	76	9.87	-1.98	33	1127	+145	
Evansville	88	50	68	-8	0.71	2		13.00	+1.89	31	1274	+104	
Farmland	85	41	62	-8	0.41	2	67	8.19	-1.93	37	944	+195	
Fort_Wayne	82	48	62	-9	0.28	2		11.09	+1.88	34	929	+135	
Freelandville	85	50	65	-9	0.69	2		11.31	-0.08	32	1110	+104	
Greenfield	85	46	64	-8	0.22	2		8.30	-2.23	38	1030	+143	
Indianapolis_AP	83	50	66	-7	0.12	1		9.53	-0.42	35	1123	+172	
Indianapolis_SE	82	47	63	-9	0.20	2		9.13	-1.10	40	996	+71	
Logansport	79	45	63	-8	0.34	2		11.09	+1.40	35	963	+150	
New_Castle	83	44	62	-9	0.34	2		8.50	-2.61	36	863	+93	
Perrysville	80	44	62	-11	0.08	1	73	9.52	-1.19	33	1039	+155	
Plymouth	78	43	61	-10	0.68	1		13.02	+2.60	33	930	+85	
Scottsburg	89	48	67	-6	1.19	1		8.63	-2.46	27	1170	+169	
Shoals	85	45	65	-8	0.01	1		9.43	-2.64	28	1053	+90	
South_Bend	77	43	61	-9	0.30	1		10.10	+0.35	33	962	+209	
Tell_City	86	51	69	-6	0.28	3		10.35	-1.95	25	1265	+172	
Terre_Haute_Ag	81	47	65	-9	0.56	3	72	10.68	+0.02	32	1186	+225	
Tipton_Ag	80	44	61	-10	0.07	1	67	9.65	-0.35	30	882	+104	
Valparaiso_Ag	78	43	61	-9	0.32	1		10.37	-0.27	32	924	+150	
Vincennes_5NE	87	49	66	-8	1.91	2	75	13.64	+2.25	41	1158	+152	
Wanatah	77	37	59	-12	0.04	1	71	10.69	+0.69	34	783	+61	
W_Lafayette_6NW	78	42	62	-9	0.22	2	73	12.03	+2.02	32	984	+164	
Wheatfield	78	42	61	-9	0.16	1		12.90	+2.99	29	947	+195	
Winamac	77	44	61	-9	0.03	1		11.12	+1.14	30	941	+133	
Young_America	78	43	60	-11	0.01	1		9.51	-0.18	32	881	+68	

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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Double Crop (Continued)

6. Use a burn down herbicide to kill all green vegetation in the field at the time of planting along with a product to give control during the balance of the season.
7. If soil moisture is not adequate to germinate the soybean, do not plant.
8. Push your pencil real hard to determine the total costs that will be involved in the production of the double crop soybean. The 1999 soybean crop will likely be rather large resulting in low harvest prices. I would suggest that you use your county loan rate as target price, this will be in the vicinity of \$5.26 per bushel. If your cost figures require a yield that is not attainable, do not plant.
9. Remember, double crop soybean production at the northern edge of the double crop zone is very risky!!

--Ellsworth P. Christmas, Purdue University

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