



Indiana Crop & Weather Report

INDIANA AGRICULTURAL STATISTICS
U.S. DEPARTMENT OF AGRICULTURE

PURDUE UNIVERSITY
1148 AGAD BLDG, ROOM 223
WEST LAFAYETTE IN 47907-1148
Phone (765)494-8371
FAX (765)494-4315

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CROP REPORT FOR WEEK ENDING SEPTEMBER 28

Corn and soybean harvest continue to progress according to the Indiana Agricultural Statistics Service. Soybean harvest has made the best progress, particularly in the west central and central districts. Moisture content of harvested soybeans is reportedly running around 41 percent. Moisture content of harvested corn is still around 30 percent. Harvest of both crops has been slowed by scattered showers across much of the state.

CORN

Corn condition is rated 54 percent good to excellent down slightly from a week earlier. Ninety-one percent of the corn acreage has reached the **dent** stage, behind 92 percent last year and the 98 percent average for this date. Fifty-two percent of the corn crop is **mature**, slightly ahead of 51 percent mature last year, but behind the 5 year average of 67 percent. Four percent of the corn acreage has been **harvested**, behind the 8 percent average.

SOYBEANS

Condition of the **soybean** crop is rated 58 percent good to excellent, down slightly from a week ago. Eighty-four percent of the acreage is **shedding leaves**, well ahead of 53 percent last year, and slightly ahead of the 97 percent average. Fifty-three percent of the soybean crop is reported to be **mature**, ahead of the 48 percent average. Six percent of the soybean acreage has been **harvested**, behind 12 percent for the 5-year average.

OTHER CROPS

Third cutting of **alfalfa** is 95 percent complete. **Tobacco** harvest is 60 percent complete, behind 85 percent last year and the 5-year average of 88 percent.

DAYS SUITABLE and SOIL MOISTURE

For the week ending Friday, 5.7 days were rated **suitable for fieldwork**. **Topsoil moisture** was rated 9 percent very short, 23 percent short, 64 percent adequate and 4 percent surplus. **Subsoil moisture** was rated 12 percent very short, 23 percent short, 62 percent adequate and 3 percent surplus.

CROP PROGRESS

Crop	This Week	Last Week	Last Year	5-Year Avg
	Percent			
Corn Harvested	4	2	5	8
Corn Mature	52	33	51	67
Corn Dent	91	86	92	98
Soybeans Harvested	6	1	3	12
Soybeans Mature	53	22	18	48
Soybeans Shedding Lvs	84	62	53	79
Winter Wheat Seeded	11	5	7	9
Winter Wheat Emerged	4	2	0	1

CROP CONDITION

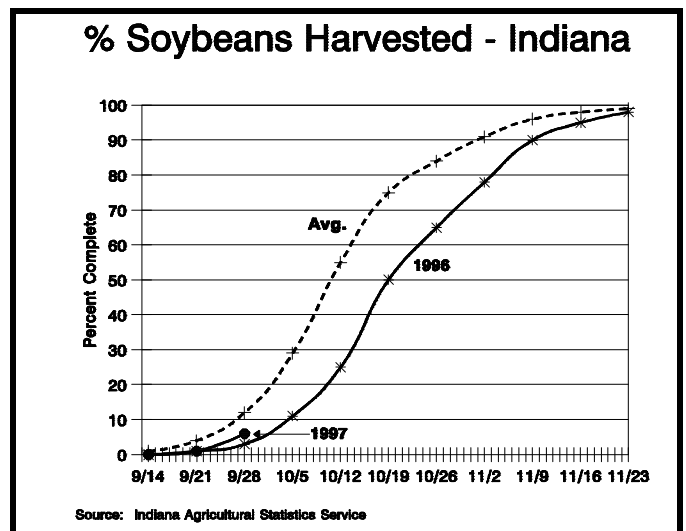
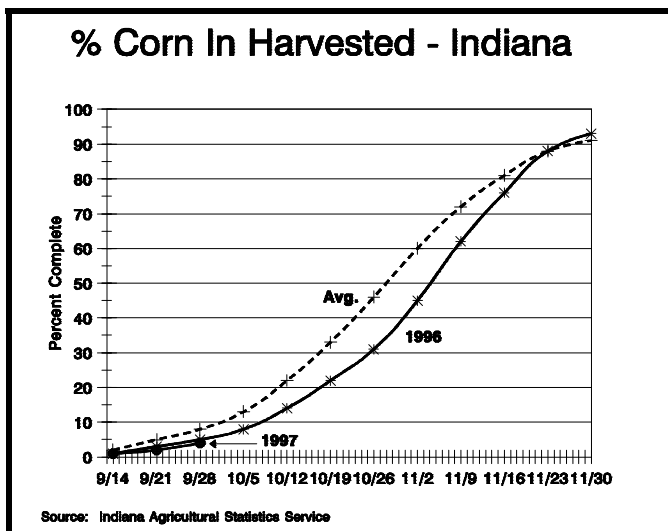
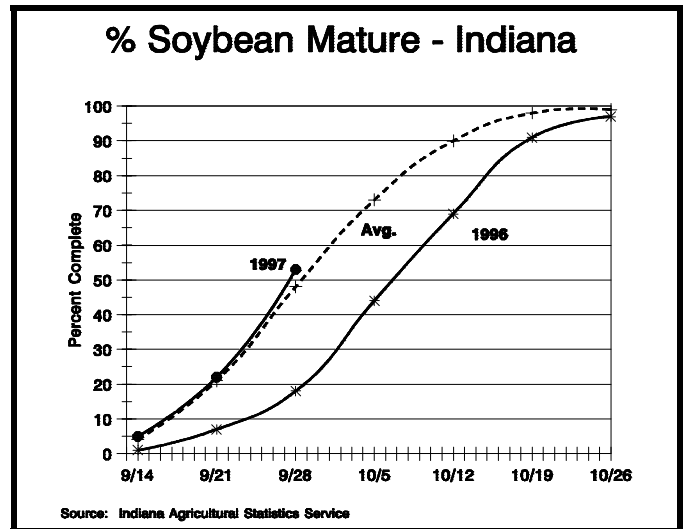
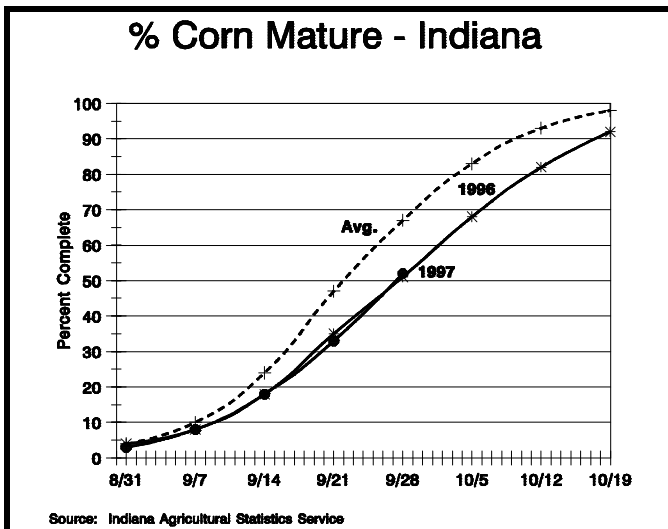
Crop	Very Poor	Poor	Fair	Good	Excellent
	Percent				
Corn	3	9	64	46	8
Soybeans	2	7	33	47	11
Pasture	7	20	37	33	3

SOIL MOISTURE

	This Week	Last Week	Last Year
	Percent		
Topsoil			
Very Short	9	7	2
Short	23	28	7
Adequate	64	58	72
Surplus	4	7	19
Subsoil			
Very Short	12	10	4
Short	23	29	24
Adequate	62	57	66
Surplus	3	4	6

--Ralph W. Gann, State Statistician
--Lance Honig, Agricultural Statistician
E-Mail Address: nass-in@nass.usda.gov
<http://info.aes.purdue.edu/agstat/nass.html>

Crop Progress



Variety Selection and Seeding Rate for Soft Red Winter Wheat

- Plant high quality seed of several varieties
- Adjust seeding rate according to seed size
- Optimum plant population is around 30-35 plants per square foot

When choosing among the many public and private wheat varieties that are available, select those varieties that have the combination of traits that best fit your production system. In addition to yield, certain traits dealing with disease resistance, winter hardiness, and earliness may also be important. It is likely that not any one single variety will contain all the traits that you consider important. Therefore, plant several varieties to help spread the risk associated with the various diseases and environmental stresses of your area. Consult sources of information such as the Performance of Public and Private Small Grains available from the Purdue Cooperative Extension Service in your county. This publication is also available over the WEB at <http://www.agry.purdue.edu/agronomy/agry-ext.htm>. Then click on "Performance of Public and Private Small Grains in Indiana, 1997" to go to that information.

Seed might also be saved from the previous season if it is high in quality and not contaminated with seed borne diseases like smut. Seed should be professionally cleaned to remove light, shriveled, low quality kernels. A seed treatment can also be applied. Good quality seed should have at least 85 to 95 percent germination.

The seeding rate for soft red winter wheat should be adjusted for seed size. Seed size can vary from less than 12,000 seeds per pound to more than 16,000 seeds per pound. Accordingly seeding rates can also vary from as little as 90 pounds per acre for very small seeded varieties to as much as 165 pounds per acre for large seeded varieties (see table). Optimum plant population is around 1.3 to 1.5 million plants per acre. The higher rates should be used for late planted wheat (i.e., more than 3 weeks after the Hessian fly free date).

(Continued on Back Page.)

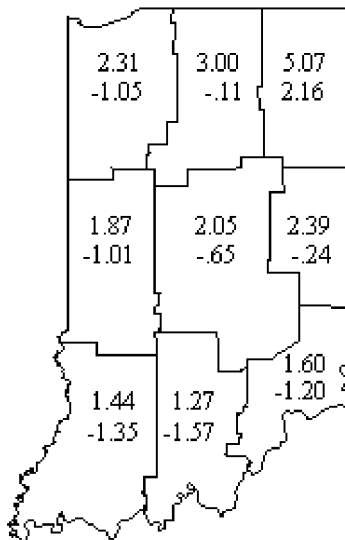
Average Daily Values for week ending Monday morning September 29, 1997

Area	Station	Air Temperature			Precipitation			Growing Degree Days		
		Max	Min	DN	Past Week	Since April 1	DN Since April 1	Past Week	Since April 1	DN Since April 1
NW	Wanatah	71	44	-2	.35	21.89	-1.02	78	2533	-151
	Kentland	73	47	-2	.33	17.55	-5.21	85	2830	-180
	Winamac	71	47	-1	.32	23.48	+1.35	78	2691	-142
NC	South Bend	68	48	-2	.36	18.05	-3.93	71	2650	-123
	Waterford Mills	71	47	-1	.34	24.85	+3.97	77	2645	-169
NE	Prairie Heights	70	47	+0	.25	20.94	-.71	74	2599	+76
	Columbia City	71	47	+0	.29	23.74	+2.25	77	2669	-24
	Fort Wayne	71	47	-2	.35	26.88	+7.17	78	2673	-242
	Bluffton	71	48	-2	.25	25.89	+4.70	78	2769	-222
WC	West Lafayette	75	48	+0	.34	18.49	-3.40	94	2861	-36
	Lafayette	74	48	+0	.41	17.31	-4.58	89	2966	+70
	Perrysville	74	49	-2	.45	16.37	-7.96	91	2925	-404
	Crawfordsville	75	44	-2	.38	17.18	-4.19	91	2752	-171
	Terre Haute 8s	76	51	+1	.38	19.45	-4.09	104	3203	-40
C	Tipton	72	45	-2	.33	19.16	-3.15	82	2661	-175
	Indianapolis	73	51	+0	.34	14.57	-7.44	94	3048	-171
	Indian Creek	74	49	+0	.28	18.03	-4.75	90	3068	+4
EC	Farmland	71	48	-1	.36	18.40	-3.26	78	2738	-35
	Liberty	69	47	-3	.19	17.74	-5.47	70	2957	-85
SW	Vincennes	75	49	-1	.45	24.59	+1.43	97	3227	-102
	Dubois	75	49	-2	.50	23.68	-1.67	93	3132	-137
	Evansville	76	52	-1	.47	16.32	-5.92	102	3379	-258
SC	Bedford	73	46	-2	.30	26.47	+2.52	86	3046	-104
	Louisville	76	56	+1	.39	20.24	-3.10	118	3490	-120
SE	Butlerville	74	45	-5	.15	22.17	-.72	87	2975	-387

DN = departure from normal.

Growing Degree Days = daily mean - 50 (below 50 adjusted to 50, above 86 adjusted to 86.)

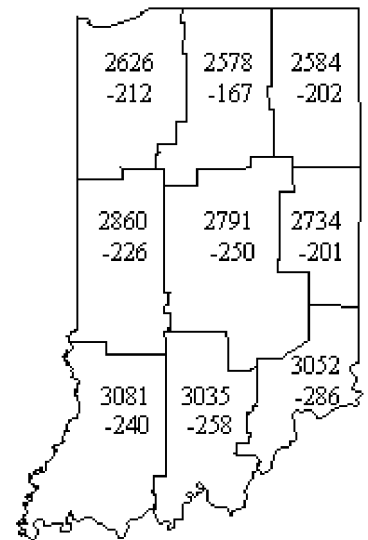
Rainfall for Past 4 Weeks
and Departure from Normal



Rainfall of 1 Inch or More
for Past 7 Days
as of Monday morning



Growing Degree Days
and Departure since April 1



Variety Selection (continued)

Seed should be sown 3/4 to 1-1/2 inches deep. This becomes especially important in no-till situations with heavy residue. It is important to get the seed through the residue and into the soil to assure good seed to soil contact and subsequent uniform germination and emergence. Wheat will be more winter hardy and less susceptible to winter heaving if well established by proper seeding in a timely manner. Adequate nitrogen and phosphate fertilizer is also important for seeding establishment in the fall. Around 20 to 25 pounds nitrogen per acre and phosphate fertilizer according to soil test should be applied at seeding.

Seeding Rates for Winter Wheat Based on Seed Size		Desired Population		
Number of Seeds/Lb.	Seed Size	1.1 ^a 25 ^b	1.3 ^a 30 ^b	1.5 ^a 35 ^b
Pounds Seed per Acre				
10,000	Large	120	145	165
12,000	Large	100	120	140
14,000	Medium	85	100	120
16,000	Small	75	90	105

^{1/} Seeding rates adjusted to 90 percent field emergence.

^a Million plants per acre.

^b Plants per square foot.

--Charles Mansfield, Purdue University

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