

# USDA, National Agricultural Statistics Service Indiana Crop & Weather Report

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# **CROP REPORT FOR WEEK ENDING MAY 18**

#### AGRICULTURAL SUMMARY

Heavy rainfall during the week halted field work in many areas of the state, according to the Indiana Field Office of USDA's National Agricultural Statistics Service. Planting of corn is running about 7 days behind last year and 8 days behind the 5-year average pace. Soybean planting is about 9 days behind last year and 11 days behind the 5-year average. Standing water may result in the need to replant some corn and soybean acreage. Emergence and growth of the major field crops continues to be slow due to the cool, wet conditions.

### FIELD CROPS REPORT

There was 1.0 **day suitable for field work**. Sixtyeight percent of the intended **corn** acreage has been **planted** compared with 89 percent last year and 82 percent for the 5-year average. By area, 75 percent has been planted in the north, 78 percent in the central region, and 37 percent in the south. Thirty-five percent of the corn acreage has now **emerged** compared with 57 percent for both last year and the 5-year average. Twenty-three percent of the intended **soybean** acreage has been **planted** compared with 63 percent last year and 51 percent for the 5-year average.

Thirty-six percent of the winter wheat is **headed** compared with 51 percent last year and 59 percent for the 5-year average. Winter wheat **condition** is rated 63 percent good to excellent compared to 39 percent last year at this time. Some wind and water damage is being reported in a few southern counties.

Major activities during the week included: spraying fungicides on wheat, equipment maintenance, fertilizer applications, spraying herbicides, hauling grain to market, hauling manure, and taking care of livestock.

#### LIVESTOCK, PASTURE AND RANGE REPORT

Pasture condition is rated 19% excellent, 54% good, 21% fair, 5% poor and 1% very poor. Pasture condition continues to improve with plenty of precipitation. Livestock remain in mostly good condition.

## **CROP PROGRESS TABLE**

Crop	This	Last	Last	5-Year			
Стор	Week	Week	Year	Avg			
	Percent						
Corn Planted	68	61	89	82			
Corn Emerged	35	19	57	57			
Soybeans Planted	23	19	63	51			
Winter Wheat Headed	36	13	51	59			

## **CROP CONDITION TABLE**

Сгор	Very Poor	Poor	Fair	Good	Excel- lent		
	Percent						
Pasture	3	7	28	46	16		
Winter Wheat	1	5	21	54	19		

## SOIL MOISTURE & DAYS SUITABLE FOR FIELDWORK TABLE

	This Week	Last Week	Last Year				
	Percent						
Topsoil							
Very Short	0	0	3				
Short	0	0	18				
Adequate	37	45	75				
Surplus	63	55	4				
Subsoil							
Very Short	0	0	1				
Short	0	1	8				
Adequate	49	59	86				
Surplus	51	40	5				
Days Suitable	1.0	3.5	5.7				

#### **CONTACT INFORMATION**

--Greg Preston, Director

--Andy Higgins, Agricultural Statistician

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http://www.nass.usda.gov/Statistics by State/Indiana/

# **Crop Progress**



### **Other Agricultural Comments And News**

## Late Planting/Replanting & Relative Hybrid Maturity

- Planting delays continue.
- Consider switching to earlier maturity hybrids by early June.
- Check seed availability with seed dealers now.

#### Published 12 May 2008

Frequent rains of recent weeks delayed the start of corn planting throughout Indiana. Rains late last week and over the weekend will further delay the completion of planting, especially in the southern third of the state. Rainfall over the 7-day period ending 8 am EDST May 12 ranged from 2 to 4 inches throughout central, eastcentral, and southern Indiana (Fig. 1). Rainfall amounts elsewhere in the state ranged from one-half to 2 inches.

As of May 11, the Indiana office of USDA's National Ag. Statistics Service estimated that only 61 percent of the state's corn crop was planted compared to the most recent 5-year average of 72 percent (USDA-NASS, 2008). The good news is that this year's planting pace is not the slowest in recent memory. The two slowest planting years in the past five were 2002 and 2003 (Fig. 2). In contrast, the fastest planting year in the past five was 2004. The 2008 pace is between the slowest and fastest of the past five years and is interestingly not that much slower than that of last year.

The planting delays are greatest in the southern third of Indiana, where USDA-NASS estimates only 34 percent completion as of May 11 in contrast with 61 and 74 percent completion in the northern and central areas of the state (USDA-NASS, 2008). With more rain in the current forecast for the coming week, many of those planters will likely not return to the fields before next week. Consequently, much of the remaining 39% of the state's corn crop will be planted later than desired. Additionally, a few early-planted fields may require replanting if plant populations are reduced due to soggy soils and/or disease.

Some of the locals who frequent the Chat'n Chew Café are beginning to question whether they should consider replacing their remaining full-season corn hybrids with shorter-season versions. They worry that full-season hybrids planted from here on out may not mature safely before the first killing fall frost. After all, hybrid maturity ratings are closely associated with the accumulation of Growing Degree Days (GDDs) after planting (Fig. 3) and there are only so many GDDs available in a given growing season prior to killing fall frosts.

Fortunately, we know from previous research (Nielsen et al., 2002) that corn hybrids adjust their GDD needs downward as planting is delayed. This means that lateplanted hybrids mature in fewer than expected GDDs from planting. The number of GDDs required from planting to physiological maturity in corn decreases nearly 7 GDDs per day of delayed planting after May 1. For example, a hybrid planted June 1 will mature approximately 210 GDDs sooner than it would if planted May 1 (30 days times 7 GDDs per day of delayed planting).

The bottom line from this research is that a given hybrid maturity can be planted later than we once thought possible and still mature safely before a killing fall frost. Nevertheless, at some point on the calendar, growers eventually need to consider switching to earlier maturity hybrids to minimize the risk of frost damage in the fall.

The tables that follow summarize the delayed planting effect on hybrid GDD requirements and present the results in terms of "safe" hybrid maturities for a range of delayed planting dates (see Nielsen & Thomison, 2003, for more information). Both tables assume "normal" GDD accumulations for the remainder of the growing season and a fall frost date that is based on a 50% risk of frost occurring by a given date for individual crop reporting districts around the state (Indiana State Climate Office, http://iclimate.org).

Table 1 targets physiological maturity occurring the same week that a killing frost is expected to occur. Table 2 targets physiological maturity occurring the week before a killing frost is expected to occur. The "safe" hybrid maturities listed in Table 2, therefore, are a bit less risky relative to maturation and killing fall frosts.

The hybrid maturities listed in the tables are described in terms of "CRM" or comparative relative maturity ratings as defined by Pioneer Hi-Bred (2008). Pioneer publishes relative maturity data for hybrids in terms of both CRM ratings and GDDs from planting to physiological maturity. Such data can be used to define the relationship between CRM ratings and GDD requirements (Fig. 3). That relationship coupled with our previous research on the effects of delayed planting on GDD requirements allow me

#### (Continued on Page 4)

Station     Air     April 1, 2008 thru       Temperature     Precip:     4 in     Precipitation     GDB Base 50°F       Hi     Lo     Avg [DFN     Total     Dyst     Tetal     Frecipitation     GDD Base 50°F       Chalmers, 5W     76     40     54     -9     1.45     5     4.93     -1.04     20     222     -92       Francesville     74     37     54     -8     0.72     5     4.69     -1.04     20     222     -92       Walparaiso_API     73     39     54     -6     0.63     4     3.24     -2.94     16     258     +8       Wanata     73     39     52     -10     1.15     4     5.78     -0.08     20     220     -54       South Bend     72     39     52     -7     1.65     4     8.13     +2.49     20     252     -10       Kentact(3)     Columbia_City     70     41     54     -6     5.10     -0.12		Past Week Weather Summary Data						Accumulation							
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Wantath   73   36   53   -7   1.19   4   57   5.37   -0.42   12   210   -2     Winamac   73   39   53   -8   1.11   5   52   5.40   -0.29   20   233   -35     North Central(2)   2   39   52   -10   1.15   4   5.98   -0.08   20   230   -54     South_Bend   72   39   52   -10   1.15   4   5.98   -0.08   20   230   -54     South_Bend   72   36   5.7   1.65   4   8.13   +2.49   20   252   -10     Northeast   (3)   70   41   54   -6   1.61   5   5.10   -0.26   22   281   +34     West Central(4)   70   41   57   -6   1.27   5   6   6.01   -0.21   20   288   -11     Spencer_Ag   75   42   55   -7   2.02   5   54   6.77   1.72   42 <td>Valparaiso_AP_I</td> <td>73</td> <td>39</td> <td>54</td> <td>-6</td> <td>0.63</td> <td>4</td> <td></td> <td>3.24</td> <td>-2.94</td> <td>16</td> <td>258</td> <td>+8</td> <td></td>	Valparaiso_AP_I	73	39	54	-6	0.63	4		3.24	-2.94	16	258	+8		
Winamac   73   39   53   -8   1.11   5   52   5.40   -0.29   20   233   -35     Plymouth   72   39   52   -10   1.15   4   5.98   -0.08   20   230   -54     South_Bend   72   36   53   -7   1.54   5   5.34   -0.08   20   230   -54     South_Bend   72   36   53   -7   1.56   4   8.13   +2.49   20   222   -10     Northeast (3)   70   41   54   -6   1.61   5   5.10   -0.26   22   281   +34     West Central(4)   70   41   57   -6   1.27   5   61   610   -0.21   20   288   -14     Spencer,Ag   75   42   55   -7   2.90   5   8.92   +2.07   19   259   -47     Bagle_CreekAP   75   43   56   -7   1.54   4   7.23   +1.19   21   345   +9<	Wanatah	73	36	53	-7	1.19	4	57	5.37	-0.54	21	210	-2		
North Central (2)     Plymouth     72     39     52     -10     1.15     4     5.98     -0.08     20     230     -54       South_Bend     72     36     53     -7     1.54     5     5.34     -0.30     21     279     +46       Northeast (3)     Columbia_City     70     41     54     -6     1.84     6     53     6.01     +0.40     23     232     +19       Fort_Wayne     70     40     55     -6     1.61     5     5.10     -0.26     22     281     +34       West Central(4)      77     1.56     4     8.73     +2.21     19     234     -115       Perrysville     79     41     57     -6     1.27     5     61     6.01     -0.21     20     88     -14       Spencer_Ag     75     40     55     -7     2.02     5     54     6.77     1.45     4     6.08     +0.04     20     367<	Winamac	73	39	53	-8	1.11	5	52	5.40	-0.29	20	233	-35		
Plymouth 72 39 52 -10 1.15 4 5.98 -0.08 20 230 -54 South_Bend 72 36 53 -7 1.54 5 5.34 -0.30 21 279 +46 Young_America 74 42 55 -7 1.65 4 8.13 +2.49 20 252 -10 Northeast (3) Columbia_City 70 41 54 -6 1.84 6 53 6.01 +0.40 23 232 +19 Fort_Wayme 70 40 55 -6 1.61 5 5.10 -0.26 22 281 +34 West Central(4) Greencastle 77 42 55 -9 1.47 4 8.73 +2.21 19 234 -115 Perrysville 79 41 57 -6 1.27 5 61 6.01 -0.21 20 288 -14 Spencer_Ag 75 42 55 -7 2.90 5 8.92 +2.07 19 259 -47 Terre_Haute_AFB 76 43 57 -7 1.56 4 6.08 -0.50 15 322 -25 W_Lafayette_6NW 75 40 55 -7 2.02 5 54 6.77 +0.72 24 263 -5 Central (5) Greenfield 74 43 55 -8 1.40 5 7.40 +0.78 25 265 -34 Indianapolis_SP 76 43 57 -7 1.45 4 7.23 +1.19 21 345 +9 Greenfield 74 43 55 -8 1.40 5 7.40 +0.78 25 265 -34 Indianapolis_SP 76 44 57 -7 1.45 4 6.08 +0.04 20 367 +31 Indianapolis_SP 74 43 55 -9 1.38 4 5.53 -0.91 21 270 -48 Tipto_Ag 74 42 54 -7 2.35 5 57 7.43 +1.27 24 240 +3 Easte Central(6) Farmlan 73 41 54 -7 1.49 5 56 6.655 +0.91 23 230 +2 New_Castle 73 43 54 -6 1.13 5 6.35 -0.34 24 242 +7 Southwest (7) Evansville 79 45 60 -7 1.00 4 9.44 +2.58 19 437 -29 Freelandville 76 45 57 -7 2.85 4 11.52 +4.65 20 332 -38 Shoals_87 78 40 56 -8 2.49 4 12.86 +5.64 20 297 -62 Stendal 78 40 56 -8 2.49 4 12.86 +5.64 20 297 -62 Stendal 78 42 58 -7 1.76 5 12.61 +5.12 23 403 -10 Vincennee_SNE 79 44 58 -6 2.58 6 57 11.25 +4.38 19 373 +3 Southeast (9) Brookville 74 41 57 -5 1.57 5 8.057 11.24 +5.31 24 279 -44 Tell_City 78 40 59 -7 1.74 4 11.72 +4.06 22 431 +3 Southeast (9) Brookville 74 41 57 -5 1.57 5 8.057 12.44 -53 2.35 5 57 12.44 +5.31 24 279 -44 Tell_City 78 40 59 -7 1.74 4 11.72 +4.06 22 431 +3 Southeast (9) Brookville 74 41 57 -5 1.57 5 8.057 11.43 25 315 +41 Greensburg 73 45 57 -7 1.99 5 8.71 +1.87 23 383 +9	North Central(2)														
South_Bend   72   36   53   -7   1.54   5   5.34   -0.30   21   279   +46     Young_America   74   42   55   -7   1.65   4   8.13   +2.49   20   252   -10     Northeast (3)   Columbia_City   70   40   55   -6   1.61   5   5.10   -0.26   22   281   +34     Fort_Wayne   70   40   55   -6   1.61   5   5.10   -0.26   22   281   +34     West Central(4)      8.73   +2.21   19   234   -115     Perrysville   79   41   57   -7   1.56   4   6.08   -0.50   15   322   -25     M_Lafayette_6NW   75   40   55   -7   2.02   5   54   6.77   +0.02   24   263   -5     Central (5)   Eagle_Creek_AP   75   44   55   -8   1.40   5   7.40   +0.78   25   67   +34	Plymouth	72	39	52	-10	1.15	4		5.98	-0.08	20	230	-54		
Young_America   74   42   55   -7   1.65   4   8.13   +2.49   20   252   -10     Northeast (3)   Columbia_City   70   40   55   -6   1.65   4   8.13   +2.49   20   252   -10     Columbia_City   70   40   55   -6   1.61   5   5.10   -0.26   22   281   +34     West Central(4)   70   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.00   5   8.92   +2.07   19   234   -115     Carrenelaute_AFB   76   43   57   -7   1.56   4   6.08   -0.05   15   322   -25     Central (5)   Central (5)   Central (5)   20   55   -7   2.02   5   54   6.77   +0.72   24   265   -34     Indianapolis_P   76   44   55   -8   1.40   5	South_Bend	72	36	53	-7	1.54	5		5.34	-0.30	21	279	+46		
Northeast (3)   Columbia_City   70   41   54   -6   1.84   6   53   6.01   +0.40   23   232   +19     Columbia_City   70   40   55   -6   1.61   5   5.10   -0.26   22   231   +34     West Central(4)   7   42   55   -9   1.47   4   8.73   +2.21   19   234   -115     Perrysville   79   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   8.92   +2.07   19   259   -47     Central (5)   8   2   +2.07   19   214   -5   -7   2.02   5   5   6.77   +0.72   24   263   -5     Central (5)   8   2   -6.77   1.45   4   7.23   +1.19   21   345   +9     Greenfield   74   43   55   -7   1.45   4	Young_America	74	42	55	-7	1.65	4		8.13	+2.49	20	252	-10		
Columbia_City 70 41 54 -6 1.84 6 53 6.01 +0.40 23 232 +19 Fort_Wayne 70 40 55 -6 1.61 5 5.10 -0.26 22 281 +34 West Central(4) Greencastle 77 42 55 -7 1.61 5 61 6.01 -0.21 20 288 -14 Spencer_Ag 75 42 55 -7 2.90 5 8.92 +2.07 19 259 -47 Terre_Haute_AFB 76 43 57 -7 1.56 4 6.08 -0.50 15 322 -25 W_Lafayette_GNW 75 40 55 -7 2.02 5 54 6.77 +0.72 24 263 -5 Central (5) Eagle_Creek_AP 75 44 56 -7 1.54 4 7.23 +1.19 21 345 +9 Greenfield 74 43 55 -8 1.40 5 7.40 +0.78 25 265 -34 Indianapolis_AP 76 44 57 -7 1.45 4 6.08 +0.04 20 367 +31 Indianapolis_SE 74 43 55 -9 1.38 4 5.53 -0.91 21 270 -48 Tipton_Ag 74 42 54 -7 2.35 5 57 7.43 +1.27 24 240 +3 East Central(6) Farmland 73 41 54 -7 1.49 5 56 6.65 +0.91 23 230 +2 New_Castle 73 43 54 -6 1.13 5 6.35 -0.34 24 242 +7 Southwest (7) Evansville 79 45 60 -7 1.00 4 9.44 +2.58 19 437 -29 Freelandville 78 40 56 -8 2.49 4 11.52 +4.65 20 332 -38 Shoals_8S 78 40 56 -8 2.49 4 12.86 +5.64 20 297 -62 Stendal 78 42 58 -7 1.76 5 12.61 +5.12 23 403 -10 Vincennes_NF 79 44 58 -6 2.58 6 57 11.25 +4.38 19 373 +3 South Central(8) Eavenworth 77 44 58 -6 1.87 5 71 2.14 +5.31 24 279 -44 Tell_City 78 40 59 -7 1.74 4 11.72 +4.06 22 431 +3 Southeast (9) Erookville 74 41 57 -5 1.57 5 8.05 +1.43 25 315 +41 Greensburg 73 43 57 -6 2.15 4 7.80 +0.87 23 334 +23 Southeast (9) Erookville 74 43 57 -7 1.99 5 8.71 +1.87 23 383 +9	Northeast (3)														
Fort_Wayne   70   40   55   -6   1.61   5   5.10   -0.26   22   281   +34     West Central(4)   Greencastle   77   42   55   -9   1.47   4   8.73   +2.21   19   234   -115     Perrysville   79   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   40   55   -7   2.90   5   54   6.08   -0.72   24   263   -5     Central(5)   Eagle_Creek_AP   75   44   55   -7   1.45   4   6.08   +0.04   20   367   +31     Indianapolis_SP   74   43   55   -7   1.45	Columbia_City	70	41	54	-6	1.84	6	53	6.01	+0.40	23	232	+19		
West Central(4)   Second State   77   42   55   -9   1.47   4   8.73   +2.21   19   234   -115     Perrysville   79   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   88.92   +2.07   19   259   -47     Terre_Haute_AFB   76   43   57   -7   1.56   4   6.08   -0.50   15   322   -25     W_Lafayette_6NW   75   40   55   -7   2.02   5   54   6.77   +0.72   24   263   -5     Central (5)   East   Central (5)   East   -7   1.45   4   7.23   +1.19   21   345   +9     Indianapolis_SP   74   43   55   -9   1.38   4   5.53   -0.91   21   270   -48     Tipton_Ag   74   42   54   -7   1.49   5   56   6.65 <td>Fort_Wayne</td> <td>70</td> <td>40</td> <td>55</td> <td>-б</td> <td>1.61</td> <td>5</td> <td></td> <td>5.10</td> <td>-0.26</td> <td>22</td> <td>281</td> <td>+34</td> <td></td>	Fort_Wayne	70	40	55	-б	1.61	5		5.10	-0.26	22	281	+34		
Greencastle   77   42   55   -9   1.47   4   8.73   +2.21   19   234   -115     Perrysville   79   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   8.92   +2.07   19   259   -47     Terre_Haute_AFB   76   43   57   -7   1.56   4   6.08   -0.50   15   322   -25     WLafayette_6NW   75   40   55   -7   2.02   5   54   6.77   +0.72   24   263   -5     Central (5)	West Central(4)														
Perrysville   79   41   57   -6   1.27   5   61   6.01   -0.21   20   288   -14     Spencer_Ag   75   42   55   -7   2.90   5   80.22   +2.07   19   259   -47     Terre_Haute_AFB   76   43   57   -7   2.90   5   80.22   +2.07   19   259   -47     W_Lafayette_6NW   75   40   55   -7   2.02   5   54   6.77   +0.72   24   263   -5     Central (5)   Eagle_Creek_AP   75   44   55   -8   1.40   5   7.40   +0.72   24   263   -5     Greenfield   74   43   55   -9   1.38   4   5.53   -0.91   21   270   -48     Tipton_Ag   74   42   54   -7   1.45   4   6.08   +0.04   20   367   +31     Indianapolis_SE   74   43   54   -7   1.49   5   56   6.655   +0	Greencastle	77	42	55	-9	1.47	4		8.73	+2.21	19	234	-115		
Spencer_Ag   75   42   55   -7   2.90   5   8.92   +2.07   19   259   -47     Terre_Haute_AFB   76   43   57   -7   1.56   4   6.08   -0.50   15   322   -25     W_Lafayette_6NW   75   40   55   -7   2.02   5   54   6.07   +0.50   15   322   -25     Central (5)   Eagle_Creek_AP   75   44   56   -7   1.54   4   7.23   +1.19   21   345   +9     Greenfield   74   43   55   -9   1.38   4   5.53   -0.91   21   270   -48     Tipton_Ag   74   42   54   -7   2.35   5   57   7.43   +1.27   24   240   +3     East Central(6)   F   F   43   54   -7   1.49   5   6   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -7   1.49   5   6	Perrysville	79	41	57	-б	1.27	5	61	6.01	-0.21	20	288	-14		
Terre_Haute_AFB   76   43   57   -7   1.56   4   6.08   -0.50   15   322   -25     W_Lafayette_6NW   75   40   55   -7   2.02   5   54   6.77   +0.72   24   263   -5     Central (5)   Eagle_Creek_AP   75   44   55   -7   1.54   4   7.23   +1.19   21   345   +9     Greenfield   74   43   55   -8   1.40   5   7.40   +0.78   25   265   -34     Indianapolis_AP   76   44   57   -7   1.45   4   6.08   +0.04   20   367   +31     Indianapolis_SE   74   43   55   -9   1.38   4   5.53   -0.91   21   270   -48     Tipton_Ag   74   42   54   -7   1.49   5   56   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -7   1.49   5   56   6.655   +	Spencer_Ag	75	42	55	-7	2.90	5		8.92	+2.07	19	259	-47		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Terre_Haute_AFB	76	43	57	-7	1.56	4		6.08	-0.50	15	322	-25		
Central (5)Eagle_Creek_AP754456-71.5447.23 $\pm 1.19$ 21 $345$ $\pm 9$ Greenfield744355-81.4057.40 $\pm 0.78$ 25265 $-34$ Indianapolis_AP764457-71.4546.08 $\pm 0.04$ 20 $367$ $\pm 31$ Indianapolis_SE744254-72.35557 $7.43$ $\pm 1.27$ 24240 $\pm 3$ Tipton_Ag744254-72.35557 $7.43$ $\pm 1.27$ 24240 $\pm 3$ East Central(6)Famland734154-7 $1.49$ 556 $6.65$ $\pm 0.91$ 23230 $\pm 2$ New_Castle734354-7 $1.49$ 556 $6.65$ $\pm 0.91$ 23230 $\pm 2$ Southwest (7)Evansville794560-7 $1.00$ 4 $9.44$ $\pm 2.58$ $19$ $437$ $-29$ Freelandville764557 $-7$ $2.85$ 4 $11.52$ $\pm 4.65$ 20 $332$ $-38$ Shoals_8S784056-8 $2.49$ 4 $12.86$ $\pm 5.64$ 20 $297$ $-62$ Stendal784258 $-6$ $1.87$ 5 $11.25$ $\pm 4.38$ $19$ $373$ $\pm 3$ Goutice7439 <td< td=""><td>W_Lafayette_6NW</td><td>75</td><td>40</td><td>55</td><td>-7</td><td>2.02</td><td>5</td><td>54</td><td>6.77</td><td>+0.72</td><td>24</td><td>263</td><td>-5</td><td></td></td<>	W_Lafayette_6NW	75	40	55	-7	2.02	5	54	6.77	+0.72	24	263	-5		
Eagle_Creek_AP754456-71.5447.23 $\pm 1.19$ 21345 $\pm 9$ Greenfield744355-81.4057.40 $\pm 0.78$ 25265-34Indianapolis_AP764457-71.4546.08 $\pm 0.04$ 20367 $\pm 31$ Indianapolis_SE744355-91.3845.53 $-0.91$ 21270 $-48$ Tipton_Ag744254-72.35557 $7.43$ $\pm 1.27$ 24240 $\pm 3$ East Central(6)Famland734154-71.495566.65 $\pm 0.91$ 23230 $\pm 2$ New_Castle734354-61.135 $6.35$ $-0.34$ 24242 $\pm 7$ Southwest (7)Evansville794560-71.004 $9.44$ $\pm 2.58$ 19 $437$ $-29$ Freelandville764557 $-7$ 2.854 $11.52$ $\pm 4.65$ 20 $332$ $-38$ Shoals_8S784056 $-8$ $2.49$ 4 $12.86$ $\pm 5.64$ 20 $297$ $-62$ Stendal784258 $-7$ $1.76$ $5$ $11.33$ $\pm 3.90$ $29$ $393$ $\pm 27$ Oolitic743955 $-8$ $2.87$ $5$ $57$ $12.14$ <td< td=""><td>Central (5)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Central (5)														
Greenfield744355-81.4057.40 $+0.78$ 25265 $-34$ Indianapolis_AP764457-71.454 $6.08$ $+0.04$ 20 $367$ $+31$ Indianapolis_SE744254-72.355 $57$ $7.43$ $+1.27$ $24$ $240$ $+3$ Tipton_Ag744254-7 $2.35$ 5 $57$ $7.43$ $+1.27$ $24$ $240$ $+3$ East Central(6)Farmland734154-7 $1.49$ 5 $56$ $6.65$ $+0.91$ $23$ $230$ $+2$ New_Castle734354-6 $1.13$ 5 $6.35$ $-0.34$ $24$ $242$ $+7$ Southwest (7)Evansville794560-7 $1.00$ 4 $9.44$ $+2.58$ $19$ $437$ $-29$ Freelandville764557 $-7$ $2.85$ 4 $11.52$ $+4.65$ $20$ $332$ $-38$ Shoals_8s784056-8 $2.49$ 4 $12.86$ $+5.64$ $20$ $297$ $-62$ Vincennes_5NE794458 $-6$ $1.87$ 5 $11.33$ $+3.90$ $29$ $393$ $+27$ Oolitic743955 $-8$ $2.87$ 5 $57$ $12.24$ $+5.31$ $24$ $279$ $-44$ Tell_City784059 $-$	Eagle_Creek_AP	75	44	56	-7	1.54	4		7.23	+1.19	21	345	+9		
Indianapolis_AP   76   44   57   -7   1.45   4   6.08   +0.04   20   367   +31     Indianapolis_SE   74   42   54   -7   2.35   5   57   7.43   +1.27   24   240   +3     East Central(6)   73   41   54   -7   1.49   5   56   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -6   1.13   5   6.65   +0.91   23   230   +2     Southwest (7)   8   7   1.00   4   9.44   +2.58   19   437   -29     Freelandville   76   45   57   -7   2.85   4   11.52   +4.65   20   332   -38     Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10	Greenfield	74	43	55	-8	1.40	5		7.40	+0.78	25	265	-34		
Indianapolis_SE   74   43   55   -9   1.38   4   5.53   -0.91   21   270   -48     Tipton_Ag   74   42   54   -7   2.35   5   57   7.43   +1.27   24   240   +3     East Central(6)	Indianapolis_AP	76	44	57	-7	1.45	4		6.08	+0.04	20	367	+31		
Tipton_Ag   74   42   54   -7   2.35   5   57   7.43   +1.27   24   240   +3     East Central(6)   Farmland   73   41   54   -7   1.49   5   56   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -6   1.13   5   6.35   -0.34   24   242   +7     Southwest (7)	Indianapolis_SE	74	43	55	-9	1.38	4		5.53	-0.91	21	270	-48		
East Central(6)   73   41   54   -7   1.49   5   56   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -6   1.13   5   6.35   -0.34   24   242   +7     Southwest (7)	Tipton_Ag	74	42	54	-7	2.35	5	57	7.43	+1.27	24	240	+3		
Farmland   73   41   54   -7   1.49   5   56   6.65   +0.91   23   230   +2     New_Castle   73   43   54   -6   1.13   5   6.35   -0.34   24   242   +7     Southwest (7)   5   60   -7   1.00   4   9.44   +2.58   19   437   -29     Freelandville   76   45   57   -7   2.85   4   11.52   +4.65   20   332   -38     Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   1.87   5   11.33   +3.90   29   393   +27     Oolitic   74   39   55   -8   2.87   5   57   12.14   +5.31   24   279   -44 <t< td=""><td>East Central(6)</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	East Central(6)														
New_Castle   73   43   54   -6   1.13   5   6.35   -0.34   24   242   +7     Southwest (7)   Evansville   79   45   60   -7   1.00   4   9.44   +2.58   19   437   -29     Freelandville   76   45   57   -7   2.85   4   11.52   +4.65   20   332   -38     Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)   Image: Second	Farmland	73	41	54	-7	1.49	5	56	6.65	+0.91	23	230	+2		
Southwest (7)   Evansville   79   45   60   -7   1.00   4   9.44   +2.58   19   437   -29     Freelandville   76   45   57   -7   2.85   4   11.52   +4.65   20   332   -38     Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)	New_Castle	73	43	54	-б	1.13	5		6.35	-0.34	24	242	+7		
Evansville794560 $-7$ $1.00$ 4 $9.44$ $+2.58$ $19$ $437$ $-29$ Freelandville76 $45$ $57$ $-7$ $2.85$ $4$ $11.52$ $+4.65$ $20$ $332$ $-38$ Shoals_8S78 $40$ $56$ $-8$ $2.49$ $4$ $12.86$ $+5.64$ $20$ $297$ $-62$ Stendal78 $42$ $58$ $-7$ $1.76$ $5$ $12.61$ $+5.12$ $23$ $403$ $-10$ Vincennes_5NE79 $44$ $58$ $-6$ $2.58$ $6$ $57$ $11.25$ $+4.38$ $19$ $373$ $+3$ South Central(8)Leavenworth77 $44$ $58$ $-6$ $1.87$ $5$ $11.33$ $+3.90$ $29$ $393$ $+27$ Oolitic74 $39$ $55$ $-8$ $2.87$ $5$ $57$ $12.14$ $+5.31$ $24$ $279$ $-44$ Tell_City78 $40$ $59$ $-7$ $1.74$ $4$ $11.72$ $+4.06$ $22$ $431$ $+3$ Southeast (9)Brookville74 $41$ $57$ $-5$ $1.57$ $5$ $8.05$ $+1.43$ $25$ $315$ $+41$ Greensburg73 $45$ $57$ $-6$ $2.15$ $4$ $7.80$ $+0.87$ $23$ $383$ $+9$ Scottsburg76 $43$ $57$ $-7$ $1.99$ $5$ $8.71$ $+1.87$ $23$ $383$ $+9$ <td>Southwest (7)</td> <td></td>	Southwest (7)														
Freelandville   76   45   57   -7   2.85   4   11.52   +4.65   20   332   -38     Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)	Evansville	79	45	60	-7	1.00	4		9.44	+2.58	19	437	-29		
Shoals_8S   78   40   56   -8   2.49   4   12.86   +5.64   20   297   -62     Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)	Freelandville	76	45	57	-7	2.85	4		11.52	+4.65	20	332	-38		
Stendal   78   42   58   -7   1.76   5   12.61   +5.12   23   403   -10     Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)   Image: state of the	Shoals_8S	78	40	56	-8	2.49	4		12.86	+5.64	20	297	-62		
Vincennes_5NE   79   44   58   -6   2.58   6   57   11.25   +4.38   19   373   +3     South Central(8)   Image: South Central (8)	Stendal	78	42	58	-7	1.76	5		12.61	+5.12	23	403	-10		
South Central(8)   Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: center;">Image: style="text-align: style="text-align: style="text-align: center;">Image: style="text-align: style="text-align: style="text-align: center;">Image: style="text-align: style="text-align: style="text-align: style="text-align: center;">Image: style="text-align: style="t	Vincennes_5NE	79	44	58	-б	2.58	6	57	11.25	+4.38	19	373	+3		
Leavenworth   77   44   58   -6   1.87   5   11.33   +3.90   29   393   +27     Oolitic   74   39   55   -8   2.87   5   57   12.14   +5.31   24   279   -44     Tell_City   78   40   59   -7   1.74   4   11.72   +4.06   22   431   +3     Southeast (9)   Brookville   74   41   57   -5   1.57   5   8.05   +1.43   25   315   +41     Greensburg   73   45   57   -6   2.15   4   7.80   +0.87   23   334   +23     Scottsburg   76   43   57   -7   1.99   5   8.71   +1.87   23   383   +9	South Central(8)														
Oolitic   74   39   55   -8   2.87   5   57   12.14   +5.31   24   279   -44     Tell_City   78   40   59   -7   1.74   4   11.72   +4.06   22   431   +3     Southeast (9)	Leavenworth	77	44	58	-б	1.87	5		11.33	+3.90	29	393	+27		
Tell_City   78   40   59   -7   1.74   4   11.72   +4.06   22   431   +3     Southeast (9)	Oolitic	74	39	55	-8	2.87	5	57	12.14	+5.31	24	279	-44		
Southeast (9)   Brookville   74   41   57   -5   1.57   5   8.05   +1.43   25   315   +41     Greensburg   73   45   57   -6   2.15   4   7.80   +0.87   23   334   +23     Scottsburg   76   43   57   -7   1.99   5   8.71   +1.87   23   383   +9	Tell_City	78	40	59	-7	1.74	4		11.72	+4.06	22	431	+3		
Brookville   74   41   57   -5   1.57   5   8.05   +1.43   25   315   +41     Greensburg   73   45   57   -6   2.15   4   7.80   +0.87   23   334   +23     Scottsburg   76   43   57   -7   1.99   5   8.71   +1.87   23   383   +9	Southeast (9)														
Greensburg734557-62.1547.80+0.8723334+23Scottsburg764357-71.9958.71+1.8723383+9	Brookville	74	41	57	-5	1.57	5		8.05	+1.43	25	315	+41		
Scottsburg 76 43 57 -7 1.99 5 8.71 +1.87 23 383 +9	Greensburg	73	45	57	-6	2.15	4		7.80	+0.87	23	334	+23		
	Scottsburg	76	43	57	-7	1.99	5		8.71	+1.87	23	383	+9		

# Week ending Sunday May 18, 2008

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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The above weather information is provided by AWIS, Inc. For detailed ag weather forecasts and data visit the AWIS home page at <u>www.awis.com</u> to estimate "safe" hybrid maturities for a range of planting dates (Tables 1 & 2). Nielsen, R.L. (Bob). 2008b. Heat Unit Concepts Related to Corn Development, Corny News Network, Purdue Univ. [On-line].

DISCLAIMER: I am NOT suggesting that Pioneer hybrid maturity definitions are the industry standard. Nor am I promoting Pioneer hybrids. I work with Pioneer's hybrid maturity data because a) many farmers and consultants can relate to Pioneer hybrid maturity ratings and b) I cannot easily find similar on-line datasets for the complete hybrid lineup for any other major seed corn supplier.

BOTTOM LINE: The tables indicate that growers in the central and westcentral Indiana plus the entire southern third of Indiana could continue to plant full-season hybrid maturities through at least the end of May. That's good news for southern Indiana where planting delays are the greatest. Growers in the northern third of the state and eastcentral Indiana who routinely "push the limits" of adapted hybrid maturity may want to consider switching to something less than 110 day hybrids before the end of May. In addition to managing the risk of not maturing prior to a killing fall frost, the eventual agronomic decision to switch to earlier maturity hybrids with delayed planting should result in drier grain at harvest (approximately one-half percentage point of grain moisture difference per "day" difference in hybrid relative maturity) and thus lower grain drying costs and less risk of low test weight grain. At a minimum, growers facing further significant delays in planting corn may want to begin talking with their seed dealers about the possible availability of earlier maturity hybrids.

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In order to view the various graphics and tables mentioned in the article, go to URL: <u>http://www.kingcorn.org/news/articles.08/</u> DelayedPlt\_Hybrids.html

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