North Central Cooperative Growing Degree Unit Calculator

Data gathered at ISU Research Farm - Kanawha, Iowa

Eight Year Comparison
April 20th thru October 12th

YEAR	GDU's	+/- Avg.	Stress D-Days	+/- Avg.
2008	2703	-111	13	-29
2007	3127	313	46	4
2006	2786	-28	43	1
2005	2881	67	56	14
2004	2621	-193	11	-31
2003	2713	-101	32	-10
2002	2899	85	73	31
2001	2781	-33	59	17
Average	2814		42	

2008 Growing Season

Typical GDU's Needed to Reach Maturity

Relative Mat. (days)	GDU's Needed
90-100	2300-2500
100-110	2500-2700
110-120	2700-2800

GDU's accumulated since date of emergence

Date of Emergence

April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GDU's Accumulated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2703	2695	2683	2673	2660	2647	2643	2643	2642	2642	2642

May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
GDU's Accumulated	2635	2626	2616	2614	2604	2592	2576	2569	2561	2556	2554	2550	2541	2533	2524	2513	2499	2484	2476	2464	2455	2444	2435	2429	2419	2398	2383	2377	2367	2360	2341

June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GDU's Accumulated	2324	2305	2291	2279	2263	2241	2223	2199	2183	2167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

GDU's Accumulated by Day

April	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GDU's by Day	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	12	10	13	13	4	0	1	0	0	7

May	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
GDU's by Day	9	10	2	10	12	16	7	8	5	2	4	9	8	9	11	14	15	8	12	9	11	9	6	10	21	15	6	10	7	19	17

June	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GDU's by Day	19	14	12	16	22	18	24	16	16	18	22	19	16	20	18	13	14	18	20	23	19	17	17	23	23	18	24	13	19	18

July	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
GDU's by Day	21	22	17	18	20	26	25	21	20	25	28	18	15	20	26	24	26	24	22	23	22	19	18	15	24	18	21	24	28	26	26

August	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
GDU's by Day	20	17	27	24	20	17	17	16	24	17	15	18	19	18	16	15	18	19	22	21	18	25	12	13	13	13	17	18	15	19	20

September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
GDU's by Day	25	16	9	8	9	7	10	6	10	10	20	12	15	5	9	16	17	18	17	18	16	17	22	16	16	21	13	11	8	8

October	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
GDU's by Day	8	6	9	7	9	14	6	11	7	12	16	20																			