

North Central Cooperative Growing Degree Unit Calculator

Data gathered at ISU Research Farm - Kanawha, Iowa
Compiled by North Central Cooperative

Eight Year Comparison April 20th thru October 9th

YEAR	GDU's	+/- Avg.	Stress D-Days	+/- Avg.
2009	2414	-335	18	-19
2008	2666	-83	13	-24
2007	3119	371	46	10
2006	2785	37	43	7
2005	2862	114	56	20
2004	2595	-154	11	-26
2003	2683	-66	32	-5
<u>2002</u>	<u>2864</u>	<u>116</u>	<u>73</u>	<u>37</u>
Average	2749		37	

2009 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																														
	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	
April																															
GDU's Accumulated	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2414	2414	2409	2400	2383	2365	2365	2357	2356	2353	2351
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	2344	2339	2331	2321	2309	2295	2286	2275	2265	2260	2257	2248	2236	2226	2219	2213	2209	2206	2191	2170	2146	2131	2119	2104	2090	2074	2065	2061	2047	2031	2018
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	2002	1983	1967	1957	1945	1927	1921	1915	1910	1902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	5	9	17	18	0	8	1	3	2	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	5	8	10	12	14	9	11	10	5	3	9	12	10	7	6	4	3	15	21	24	15	12	15	14	16	9	4	14	16	13	16
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	16	10	12	18	6	6	5	8	12	13	13	12	16	15	15	24	24	20	23	27	25	25	22	27	24	22	18	17	15	
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	18	17	18	16	18	21	21	19	15	23	19	18	18	23	18	11	7	11	11	16	17	16	18	21	16	17	22	13	13	15	13
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	10	16	21	15	14	15	21	28	21	22	21	23	26	25	22	17	15	14	19	15	12	13	13	18	22	16	13	16	8	8	10
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	10	12	12	13	15	14	15	17	17	17	19	20	17	14	16	17	15	16	16	17	14	12	12	19	12	11	14	5	7	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	3	1	1	3	1	1	10	2	0																						

Killing Frost 2009 Final Entry
Killing Frost 2008
Killing Frost 2007