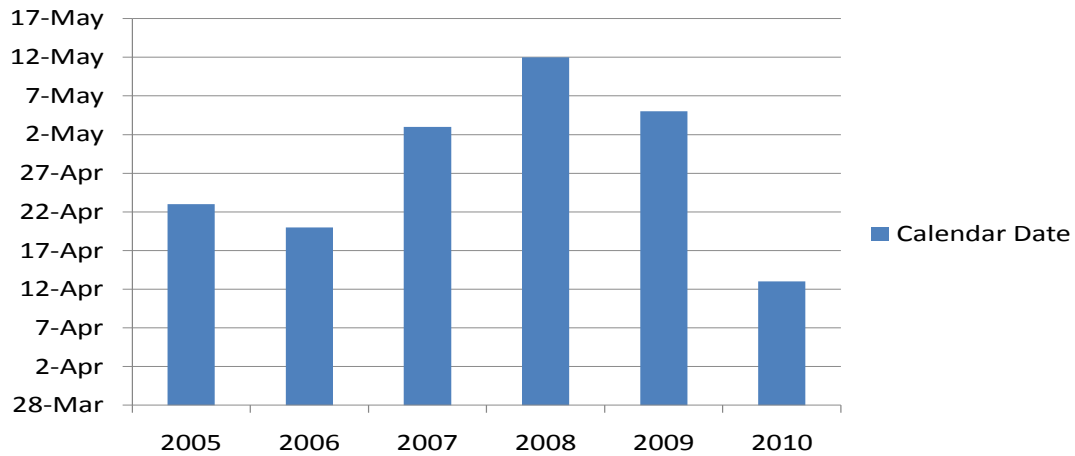


The average ice-out date on Lake of the Woods is an indicator of the earliness or lateness of the beginning of the growing season. The information presented in the figure below was taken from data collected by the Minnesota Department of Natural Resources (DNR).

Lake of the Woods Ice-Out Dates, 2005-2010



The information in Table 1 lists the monthly GDD (T-base=32 F) for the grass seed growing region of Roseau and Lake of the Woods counties. Environmental data was collected from several sites in this growing region with the monthly averages presented in the Table below.

Table 1. Monthly growing degree days (GDD) and growing season totals for perennial ryegrass in Roseau and Lake of the Woods counties in 2006-2010.

Year	2006	2007	2008	2009	2010	Average
March	53	90	6	30	137	63
April	529	322	202	247	476	355
May	730	746	501	515	707	640
June	943	990	870	860	911	915
July	1,206	1,156	1,034	943	1,174	1,103
Total	3,461	3,304	2,613	2,595	3,405	3,076