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Risk analyses of growing degree-days in Atlantic Canada

Canada

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Risk analyses of growing degree-days in Atlantic Canada

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INTRODUCTION

Les degrés-jours de croissance servent souvent d'indice météorologique pour évaluer les stades végétatifs des cultures. Par exemple, plusieurs réseaux de radio météo diffusent chaque jour ou chaque semaine les accumulations de degrés-jours afin d'aider les agriculteurs à tracer le profil de la saison de croissance. Cependant, ceux qui utilisent ces données doivent en comprendre les limites, car il s'agit d'une notion souvent mal comprise.

Essentiellement, l'état de toute culture est évalué d'après deux critères bien distincts, soit la croissance et ses stades végétatifs. Si on a une juste notion des limites des degrés-jours, on peut très bien distinguer ces deux critères. La croissance d'une culture se mesure d'après son poids, sa taille, son volume et sa durée. Par ailleurs, les stades végétatifs se rattachent plutôt au rythme et à la progression qu'effectue la culture d'un stade à l'autre. À mesure que la culture progresse, le taux de croissance peut varier considérablement.

La croissance potentielle étant la matière sèche qu'une culture accumule, on peut en conclure que cette accumulation est le produit de la durée de cette culture (c'est-à-dire l'opposé du taux de développement) et du taux d'accumulation de matière sèche. En d'autres mots, le rendement potentiel dépend de la vitesse à laquelle la culture parcourt les différents stades de croissance et aussi du taux d'accumulation de matière sèche. Ce dernier s'établit directement d'après la réaction de la culture à un certain nombre de facteurs environnementaux comme la lumière, le CO_2, l'humidité de l'air et du sol, et le régime hydrique des feuilles lorsqu'on dispose d'un éventail assez important de températures maximales. D'autre part, la durée de la croissance est presque inversement proportionnelle à la température quand on dispose d'un éventail important de données météorologiques. On peut en conclure que la croissance est le résultat de plusieurs interactions environnementales lorsque les températures se tiennent à l'intérieur de limites maximales alors que les stades végétatifs varient beaucoup plus selon les changements de température. En conséquence, l'expression degrés-jours de croissance est par elle-même ambigue quand on l'emploie pour évaluer la production agricole. Ritchie et NeSmith (1992) pensent que l'expression "temps thermique" serait beaucoup plus appropriée. Le mot "thermique" exprime la notion de chaleur et le mot "temps", la durée de croissance de la plante. Pour décrire cette relation entre la température et les stades végétatifs d'une culture, on a employé plusieurs expressions comme "degrés-jours"," sommes de température" et "unités thermiques de croissance" (Nuttonson, 1955). Nous pensons que l'expression "degrés-jours" est bien appropriée aux stades végétatifs d'une culture à condition que les termes "de croissance" ne désignent pas la croissance elle-même.

La température exprimée en degrés-jours décrit bien l'évolution des stades végétatifs de la plupart des cultures au cours de la saison de croissance. Si les agriculteurs tiennent compte des données que les stations météorologiques diffusent abondamment, ils peuvent se servir des degrés-jours pour prendre plusieurs décisions de gestion. La possibilité de prédire l'état réel du cycle

vital d'une culture peut être utile lorsqu'on veut décider à quels moments on peut faire des applications d'herbicides, quand on peut faire la synchronisation de la floraison ou la pollinisation croisée des cultures en vue de produire des semences hybrides. Elle permet également d'établir un calendrier plus précis en vue de l'utilisation des différentes techniques d'irrigation. Les moyennes à long terme des degrés-jours peuvent servir à effectuer une sélection efficace de variétés lorsque ces moyennes sont employées conjointement avec d'autres indices météorologiques comme les dates de gel. En outre, ceci permet de savoir d'une façon plus précise à quelles dates on peut ensemencer et planter sur une période bien échelonnée ce qui permet d'obtenir des récoltes plus régulières.

Les chercheurs ont consacré beaucoup d'efforts à déterminer la basse température où les stades végétatifs d'une culture sont à zéro (on la désigne souvent comme étant la température de base). Cette température au-dessus de laquelle les stades végétatifs démarrent varie d'une culture à l'autre et d'un stade à l'autre d'une même culture. Cependant, en général, les températures de base de 0, 5, 10 °C sont les températures appropriées pour la plupart des cultures. Environnement Canada (1982) a publié à long terme les moyennes mensuelles et annuelles des degrés-jours pour plusieurs stations météorologiques dans les provinces atlantiques sur les normales de 1951-80, ce qui indique que ces températures de base sont acceptées en général.

Les chercheurs ont toujours considéré les degrés-jours comme étant des moyennes ou des extrêmes. Peu d'entre eux ont étudié l'accumulation des degrés-jours comme base de probabilités. Cependant, Edey (1977) a calculé les accumulations de degrés-jours de différents niveaux octiles au-dessus de 5, 10, 13 °C pour trois stations météorologiques des provinces atlantiques en se basant sur les normales de 1941-70. Si le gestionnaire agricole établit l'accumulation des degrés-jours à partir d'une analyse cumulative de fréquence, il pourra choisir un niveau de probabilité approprié et prendre ses décisions de gestion à partir d'une base solide.

On connaît bien le rôle vital que la température joue dans la production agricole et en particulier dans les provinces atlantiques où il n'est pas suffisant de compter le nombre de degrés-jours à cause de la saison de croissance courte et froide. Il est important de réduire les risques causés par les variations de température afin de tirer le maximum d'un système de culture. Si le gestionnaire agricole connaît et comprend très bien les risques ou les probabilités qui sont apparentées à un phénomène météorologique, il pourra prendre de meilleures décisions.

Voici les objectifs de ce rapport:

(1) présenter les données sur les degrés-jours en s'appuyant sur les probabilités pour toutes les régions géographiques des provinces atlantiques.

(2) établir une méthode pratique pour évaluer facilement la probabilité d'un nombre minimum de degrés-jours pour toutes les régions géographiques des provinces atlantiques.

INTRODUCTION

Growing degree–days (GDD) are frequently used as a weather–based indicator for assessing crop development. For example, many farm weather radio broadcasts convey daily or weekly accumulations for insight into the current and on–going status of the growing season. However, it is important that users of GDD information understand the limitations inherent with the use of this, often mis–represented concept.

Essentially, the status of any agricultural crop is determined separately by growth and development processes. In understanding the limitations of GDD's, these two processes must be differentiated. Crop growth refers to an increase in crop weight, height, volume or area over a certain time scale. Development refers to the timing or progress of the crop from one stage to the next. During this progress of the crop through its phases of development, considerable variation in growth rate may occur.

In considering the potential growth as the dry matter accumulation of a crop, we can think of it as the product of the duration of growth (i.e. the inverse of the rate of development) and the rate of dry matter accumulation. In other words the potential yield is dependent on how quickly the crop moves through its stages of development and also the rate at which it accumulates dry matter. The rate of dry matter accumulation is established in direct response to a number of environmental factors including light, CO_2, humidity, soil moisture and leaf water status over a fairly wide optimum temperature range. On the other hand, the duration of growth is nearly inversely proportional to temperature over a wide range of temperatures. This suggests that growth is the result of many environmental interactions when temperatures are within the optimum limits, while development is much more variable with changes in temperature. As a result, the use of the description "growing" degree–days is in itself ambiguous in terms of its relationship with agricultural production. Ritchie and NeSmith (1992) indicate that a more suitable description that could be coined is thermal time. The "thermal" indicating heat and the "time" referring to the plants view of time. Several other synonymous terms have been used to describe this relationship between temperature and crop development which include degree–days, heat sums or heat units (Nuttonson, 1955). We believe that the use of the term growing degree–days is a suitable reference for crop development provided the "growing" is not assumed to infer growth.

Temperature based GDD's provide a reliable indication of the development of most crops throughout the growing season. Based on simple and readily available weather station inputs, GDD's can assist in many farm management decisions. The ability to predict the current stage of the life cycle of a crop can be helpful in the timing of herbicide application, synchronizing the flowering or cross pollination of crops for hybrid seed production and establishing more precise irrigation scheduling techniques. Long–term average GDD's can be utilized for effective variety selection when used in conjunction with other climatic indices such as frost dates to more effectively indicate suitable seeding dates as well as to assist in staggering planting dates in order to insure more orderly harvests (Edey, 1977).

A great deal of attention has focussed on the determination of the low temperature at

which development is zero (often referred to as the base temperature). This temperature above which development begins to occur varies between crops and as well as with the stage of development of a single crop. Generally however, base temperatures of 0, 5 and 10°C are considered appropriate for most agricultural crops. Environment Canada (1982) published monthly and annual average GDD's for many long term climate stations in Atlantic Canada based on the 1951–80 normal period, indicating the general acceptance of these base temperatures.

Most historical approaches have demonstrated GDD's as means or extremes with few examining the accumulation of GDD's on a probabilistic basis. Edey (1977) however, demonstrated GDD accumulations for various octile levels above 5, 10 and 13°C for three climatic stations in Atlantic Canada based on 1941–70 normals. In designating the accumulation of GDD's from a cumulative frequency analysis, the user can select a suitable probability level and base management decisions appropriately.

The vital role that the weather plays in agricultural production is well known and particularly evident in Atlantic Canada where GDD accumulation is considered as a limiting factor due to the relatively short, cool growing season. It is essential that risks associated with weather variability be minimized to enhance the possibility of maximum production from a cropping system. By fully knowing and understanding the risks or probability associated with an event the farm manager can make the most appropriate management decision.

The objectives of this report are:

(1) to present GDD information on a probability basis for all geographic regions of Atlantic Canada.

(2) establish a rule of thumb approach to readily estimate the probability of threshold GDD accumulations for all geographic regions of Atlantic Canada.

METHODOLOGY

The climate stations employed in this study are listed in Tables 1, 2a,b,c and their locations are identified in Figure 1a,b. Daily maximum and minimum air temperature measurements from 1956 through 1985 were used where possible. This 30 year period was considered of sufficient length to provide meaningful probability analyses while not too long to be significantly influenced by climatic trends. Several stations (Tables 2a,b,c) which had fewer than 30 years data due to missing records during this period and/or different observational periods were also used in the analyses. The station data were available from a computer archive of daily climatological records maintained by Agriculture Canada, Center for Land and Biological Resources Research in Ottawa. Daily climatological records were originally supplied to Agriculture Canada by the Atmospheric Environment Service, Downsview, Ontario. Missing data were estimated using nearby weather stations when possible to ensure completeness of record.

GDD's were calculated from measured daily maximum (T_{max}) and minimum (T_{min}) air temperatures and a base temperature (T_{base}) as follows:

$$GDD = \frac{T_{max} + T_{min}}{2} - T_{base}$$

$$if \quad T_{average} = \frac{T_{max} + T_{min}}{2} < T_{base} \quad then \quad GDD = 0$$

For example for a day with T_{max} = 12°C, T_{min} = 6°C and a selected base temperature of 5°C, the GDD's for the day would be 4 GDD. If T_{min} was instead –4°C the GDD's would not be –1 but rather 0, since the average temperature is less than T_{base} (i.e. the development of the crop can not be set back). For this investigation, GDD's were calculated for base temperatures of 0, 5 and 10°C due to the close relationship of these temperatures with the onset of crop development.

The yearly calculations of GDD's from April through November were processed by a computer program to generate mean, lowest, highest values and values at probability levels ranging from 5% (once in 20 years) up to 95% (19 out of 20 years). Each variable was ranked from lowest to highest for all years of available data. Probabilities were computed for each rank value by counting the number of years in which the values were (or were not) exceeded. Values were then computed for selected probability levels by linear interpolation. Data were also processed to examine for each station the probability of exceeding specific threshold values of GDD's at each location.

RESULTS AND DISCUSSION

Acadia Forest Experimental Station in New Brunswick will be used as a primary example to help interpret the results. Appendix 1a gives the monthly running totals of GDD's above 0, 5 and 10°C at 5, 10, 25, 50, 75, 90 and 95% probability levels, lowest totals, highest totals and averages for all stations with complete 30 years records for 1956–1985. For the Acadia Forest Experimental Station a 10% probability exists that the GDD's (above 5°C) from April through August will be less than or equal to 1195 (unless otherwise specified, all references to total GDD's will imply those accumulated from April through November). There is also a 90% probability that GDD's will be less than or equal to 1778 from April through the end of November. The monthly mean or 50% probability value for any growing season month, can be calculated by subtracting the total to the end of the previous month from the total at the end of the month in question. For example, using a base temperature of 10°C, the average GDD during August will be 711 - 482 = 229 at the Acadia Forest Experimental Station. It is not valid, however, to compute monthly GDD's for probability levels other than 50% using this procedure. Similar results are given in Appendix 1b for all climatic stations without the full 30 years of record during the 1956–1985 period. Some caution should be taken when comparing results from Appendix 1a with those from Appendix 1b due to the previously discussed missing data and/or variation in time scales. For many agricultural related planning decisions it is often important to know the probability of exceeding a threshold total GDD's. Therefore the probabilities that 2200, 2400, 2600, 2800 and 3000 GDD's (above 0°C) will be exceeded are given in Appendix 2a for period of record as shown in Tables 1, 2a,b,c. Appendix 2b lists probabilities of GDD (above 5°C) exceeding threshold values of 1200, 1400, 1600, 1800 and 2000 GDD's. Appendix 2c is for base 10°C exceeding thresholds of 400, 600, 800, 1000 and 1200 GDD's. Once again using the Acadia Forest Experimental Station as an example with a base temperature of 5°C, there is a 95% probability that 1400 GDD's will be equaled or exceeded from April through November. There is a 70% probability (7 years out of 10) that GDD's will exceed 1600 and only a 6% probability that more than 1800 GDD's will be obtained (Appendix 2b).

Linear regression analyses (SAS Institute Inc., 1985) was used to develop equations which could estimate available GDD's (above base temperatures of 0, 5 and 10°C) at selected probability levels from the mean values based on the results from the climate stations with the full 1956–1985 period of record. The equations developed for this purpose are given in Appendix 3. Agreement between climate stations was strong with all r^2 values exceeding 0.975. Examples of the resulting relationships between the mean GDD's (April through November) at 100 GDD intervals and the GDD's at probability levels of 5, 10 and 25% are given in Table 3. These relationships allows the user to use a rule of thumb approach to estimate GDD probabilities regardless of geographic location simply based on the mean GDD accumulation. For example, regardless of the region in Atlantic Canada, if the mean GDD accumulation for a location is 1700 GDD's (above 5°C) then the GDD accumulation at the 10% level should be approximately 1521 (Table 3). In other words, 9 years out of 10 the GDD accumulation should equal or exceed 1521.

Regression equations were also developed to estimate the probability that selected GDD thresholds are exceeded from the mean GDD value (Appendix 4). In almost all cases the r^2 values exceeded 0.85, which indicates that the average GDD's can be reliably used as a rule of thumb approach to estimate probabilities that given thresholds are exceeded. Examples of the probability levels for specified GDD thresholds are given in Tables 4a,b,c. For example, if a location has a mean accumulation of 2800 GDD's (above 0°C) there is a 100% probability that 2400 GDD's will be accumulated but only an 87% chance that 2600 GDD's will be reached.

Figures 2a,b, 3a,b, 4a,b show the average April through November GDD's above 0, 5 and 10°C for Atlantic Canada. Although you may not be in an area close to an existing weather station, by using the average GDD maps along with the regression equations or tables you can assess the GDD values available at selected probability levels (Table 3, Appendix 3) or the probability of various GDD thresholds being exceeded (Table 4a,b,c, Appendix 4). For example from Figure 2b assume that you are in an area with mean GDD's (above 5°C) of approximately 1700. Since you know the average GDD totals you can then extend that to various probabilities. Table 3 shows that at 5% probability (1 yr in 20) there are 1475 or fewer GDD and at a 10% probability (1 yr in 10) there are less than 1521 GDD. Using Table 4b, it can be seen that there is a 78% probability (or approximately 8 years out of 10) that for any given year this 1700 GDD mean location will equal or exceed 1400 GDD's, there is a 72% probability (or approximately 7 years out of 10) that it will exceed 1600 GDD's and a 22% probability (or approximately 2 years out of 10) that it will exceed 1800 GDD's.

SUMMARY

Growing degree–days (GDD) are a common indicator used to assess the rate of crop development to maturity throughout the growing season. GDD are frequently an important limiting factor in crop development in the Atlantic region because growing seasons are relatively cool and short. In this publication information on available GDD in the Atlantic region are presented for base temperatures of 0, 5 and 10°C. Monthly accumulated values from April 1 through November 30 are presented for 57 stations with complete 30 years of data in the 1956–1985 period and for 58 stations with more than 20 but less than 30 years for that period. Statistics are presented in the form of Tables for a range of risk levels or probabilities from 5 to 95% for each station, since the average, or 50% probability value, is not always suitable for management decisions. Tables also provide the probability that selected threshold levels of GDD are exceeded at each station for all 3 base temperatures.

In order to extrapolate GDD information for specific locations used in this study to other areas, three "Atlantic region"maps are presented, showing the average GDD available from April to November on a spatial basis for the three base temperatures. Rules of thumb (regression equations, tables) are developed to estimate GDD for risk levels of 5, 10 and 25% from the average value. Similarly, regression equations and tables were developed to estimate the probability of reaching threshold levels of GDD from the average value. In this manner, a variety of statistics on GDD can be generated for

any location in the Atlantic region. It is hoped that this publication will serve a useful standard in supplying GDD information for agricultural planning decisions for years to come.

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REFERENCES

Edey, S.N. 1977. Growing degree–days and crop production in Canada. Agriculture Canada Publication 1635.

Environment Canada. 1982. Canadian Climate Normals. Volume 4. Degree–days 1951–1980. Canadian Climate Program, Downsview, Ontario.

Nuttonson, M.Y. 1955. Wheat–climate relationships and the use of phenology in ascertaining the thermal and photo–thermal requirements of wheat. Am. Inst. Crop Ecol., Washington, DC.

Ritchie, J.T. and D.S. NeSmith, 1991. Temperature and Crop Development. In Modeling Plant and Soil Systems – Agronomy Monograph no. 31. Eds. J.T. Ritchie and R.J. Hanks. Published by American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Madison, WI pp 5–29.

SAS Institute Inc. 1985. SAS User's Guide: Statistics, Version 5 Edition. SAS Institute Inc., Cary, N.C. 956 pp.

Table 1. Stations with complete 30 years of data during 1956–85 period.

No.+	Station name	No.	Station name
	New Brunswick		**Nova Scotia**
18	Acadia Forest Exp. St.	73	Baddeck
28	Alma	52	Cape Sable
9	Aroostook	67	Collegeville
5	Bathurst	68	Ecum Secum
21	Chatham A	44	Greenwood A
20	Doaktown	76	Ingonish Beach
1	Edmunston Fraser Co.	42	Kentville CDA
16	Fredericton A	55	Liverpool Big Falls
15	Fredericton CDA	50	Meteghan River
31	Gagetown 2	40	Mount Uniacke
8	Grand Falls Drummond	27	Nappan CDA
14	Harvey Station	75	Northeast Margaree
19	Minto	37	Parrsboro
24	Moncton	78	Pleasant Bay
25	Moncton A	54	Roseway
6	Nepisiguit Falls	112	Sable Island
22	Rexton	58	St. Margaret's Bay
26	Sackville	59	Shearwater A
32	Saint John A	46	Springfield
29	Sussex	74	Sydney A
	Prince Edward Island	66	Truro
82	Charlottetown A	65	Upper Stewiacke
83	Charlottetown CDA	51	Yarmouth A
84	Summerside A		
	Newfoundland and Labrador		
109	Colinet	106	St. John's A
90	Corner Brook	107	St. John's West CDA
93	Daniels Harbour	89	Stephenville
91	Deer Lake		Cartwright •
102	Gander A		Goose A •
96	Grand Falls		

* Indicates there may be missing data for some years during the period of record.
+ The station number corresponds to that shown in Figure 1.
• Station numbers do not appear for Labrador since no maps were prepared.

Table 2a. New Brunswick stations with at least 20+ years record during observational period.

No.	Station Name	Period of record	Years
10	Bon Accord	1967–'87	21
23	Buctouche	1966–'87	22
11	Centreville	1966–'87	22
3	Charlo A	1967–'87	21
2	Kedgwick	1964–'87	24
7	Little River Mine	1961–'87	27
36	Milltown	1964–'82	19
34	Musquash	1951–'80	30
17	Oromocto	1958–'87	30
13	Royal Road	1966–'87	22
33	Saint John	1941–'69	25*
30	Searsville	1966–'85	20
35	St. George	1953–'80	28
4	Upsalquitch Lake	1968–'87	20
12	Woodstock	1952–'86	30*

* Indicates there may be missing data for some years during the period of record.

Table 2b. Nova Scotia stations with at least 20+ years record during observational period.

No.	Station name	Period of record	Years
53	Baccaro	1958–'78	21
57	Bridgewater	1962–'87	26
77	Cheticamp	1961–'87	27
45	Clarence	1959–'87	29
70	Deming	1958–'87	30
48	Digby Prim Point	1955–'84	30
62	Halifax A	1961–'85	25
60	Halifax Citadel	1964–'85	22
47	Kejimkujik Park	1966–'87	22
56	Liverpool Milton	1967–'87	21
63	Lower Meaghers Grant	1968–'87	20
64	Middle Musquodoboit	1962–'87	26
72	Port Hood	1961–'87	27
71	River Denys	1967–'87	21
43	Sheffield Mills	1959–'87	19*
69	Stillwater Sherbrooke	1968–'87	18*
38	Summerville	1966–'87	22
61	Westphal	1958–'87	30
49	Weymouth Falls	1966–'87	22
39	Windsor Falmouth	1962–'87	22

*Indicates there may be missing data for some years during the period of record.

Table 2c. Prince Edward Island and Newfoundland/Labrador stations with at least 20+ years record during observational period.

No.	Station name	Period of record	Years
80	Alliston	1952–'81	30
85	Ellerlie	1965–'86	22
79	Monticello Armadale	1961–'81	21
86	O'Leary	1961–'87	27
81	Stanhope	1965–'87	23
94	Baie Verte	1959–'87	29
111	Bay Despoir Gen. Stn.	1968–'87	20
104	BonaVista	1958–'87	30
97	Buchans	1966–'87	22
101	Comfort Cove	1967–'87	21
92	Deer Lake A	1966–'87	22
98	Exploits Dam	1958–'87	30+
105	New Chelsea	1963–'87	25
87	Port Aux Basques	1958–'87	30
100	Rattling Brook Norris Arm	1959–'87	29
108	Seal Cove	1963–'85	23
95	Springdale	1956–'81	26
110	St. Lawrence	1966–'87	22
103	Terra Nova Nat'l Park	1962–'87	26
	Battle Harbour	1958–'82	25 •
	Churchill Falls A	1969–'87	19•
	Hopedale	1954–'83	30+ •
	Wabush Lake A	1961–'87	27 •

+ Indicates more years are available before start of period, if necessary.
• Station numbers do not appear for Labrador since no maps were prepared.

Table 3. Relationship between mean GDD and GDD at selected probability levels (April – November).

Mean GDD	Probability Level (%)		
	5%	10%	25%
Base 0°C			
2000	1742	1802	1892
2100	1844	1902	1993
2200	1947	2003	2094
2300	2049	2104	2196
2400	2151	2205	2297
2500	2254	2306	2399
2600	2356	2406	2500
2700	2459	2507	2601
2800	2561	2608	2703
2900	2663	2709	2804
3000	2766	2810	2906
Base 5°C			
1200	999	1038	1116
1300	1094	1134	1216
1400	1189	1231	1317
1500	1285	1328	1418
1600	1380	1424	1518
1700	1475	1521	1619
1800	1570	1617	1719
1900	1665	1714	1820
Base 10°C			
300	172	199	248
400	263	293	346
500	353	386	444
600	443	479	542
700	534	573	641
800	624	666	739
900	714	759	837
1000	805	853	935

Table 4a. Relationship between mean GDD above 0°C (April–November) and the probability that selected threshold levels of GDD are exceeded.

Mean GDD	Probability threshold is exceeded (%)			
	Threshold			
Base 0°C	2200	2400	2600	2800
1700	0	0	0	0
1800	11	0	0	0
1900	25	3	0	0
2000	37	13	0	0
2100	49	23	0	0
2200	59	34	7	0
2300	69	44	15	0
2400	78	56	26	0
2500	86	67	39	5
2600	93	79	53	16
2700	99	92	69	30
2800	100	100	87	45
2900	100	100	100	63
3000	100	100	100	84
3100	100	100	100	100

Table 4b. Relationship between mean GDD above 5°C (April–November) and the probability that selected threshold levels of GDD are exceeded.

Mean GDD	Probability threshold is exceeded (%)			
	Threshold			
Base 5°C	1200	1400	1600	1800
800	0	0	0	0
900	5	0	0	0
1000	25	0	0	0
1100	42	7	0	0
1200	57	19	0	0
1300	70	31	7	0
1400	81	43	18	0
1500	90	54	33	0
1600	97	66	51	9
1700	100	78	72	22
1800	100	89	96	38
1900	100	100	100	57
2000	100	100	100	80
2100	100	100	100	100

Table 4c. Relationship between mean GDD above 10°C (April–November) and the probability that selected threshold levels of GDD are exceeded.

Mean GDD	Probability threshold is exceeded (%)		
	Threshold		
Base 10°C	400	600	800
200	0	0	0
300	21	0	0
400	51	15	0
500	75	37	0
600	91	58	5
700	100	76	23
800	100	91	48
900	100	100	80
1000	100	100	100

Figure 1a. Location of climate stations used in growing degree-day study for the Maritimes. • complete 30 years data, 1956–85 period; * 20^{+} years data.

Figure 1b. Location of climate stations used in growing degree–day study for the Newfoundland. • complete 30 years data, 1956–85 period; * 20^{+} years data.

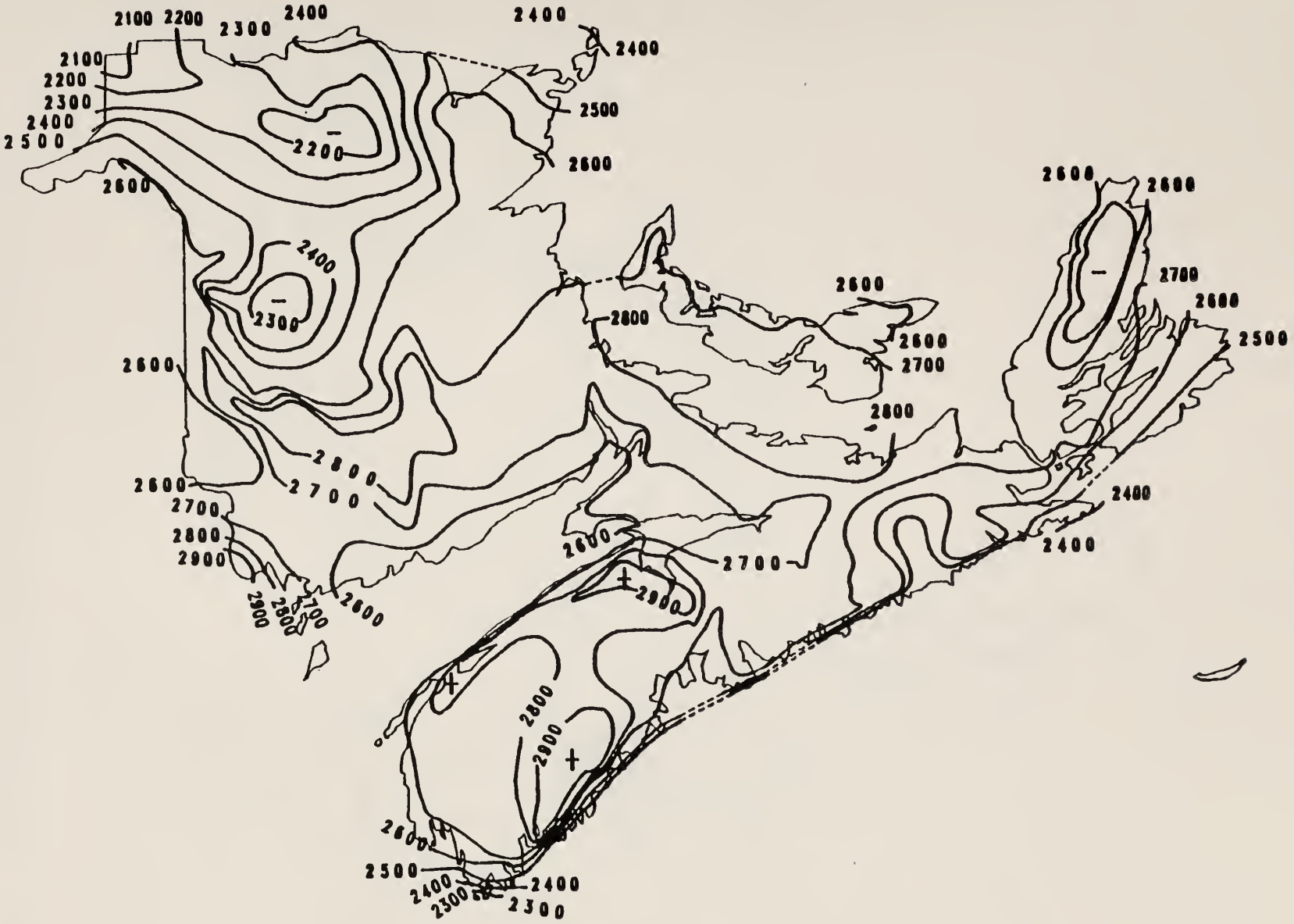

Figure 2a. Average growing degree–days above 0°C available from April–November in the Maritimes.

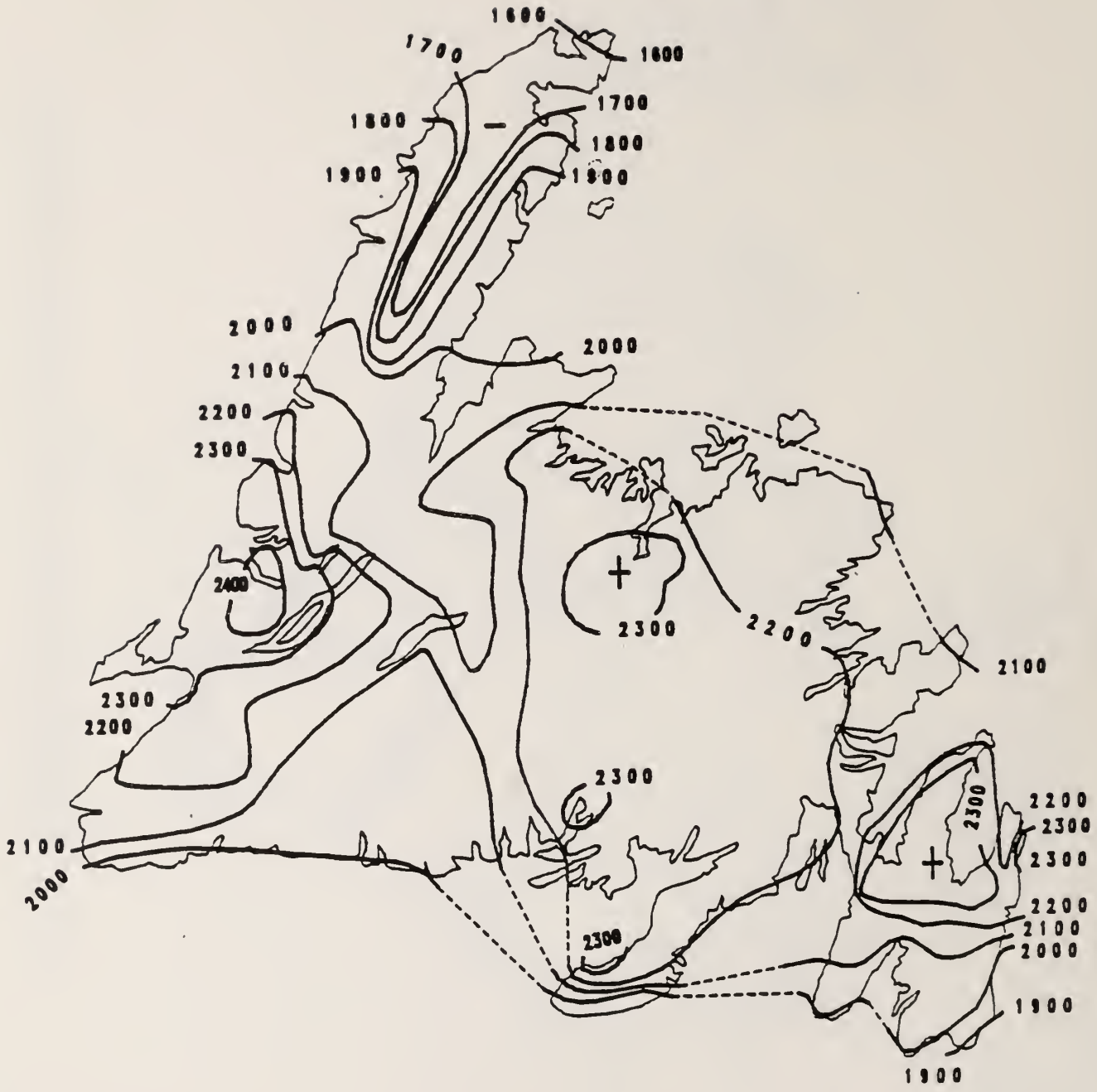

Figure 2b. Average growing degree–days above 0°C available from April–November in Newfoundland.

Figure 3a. Average growing degree–days above 5°C available from April–November in the Maritimes.

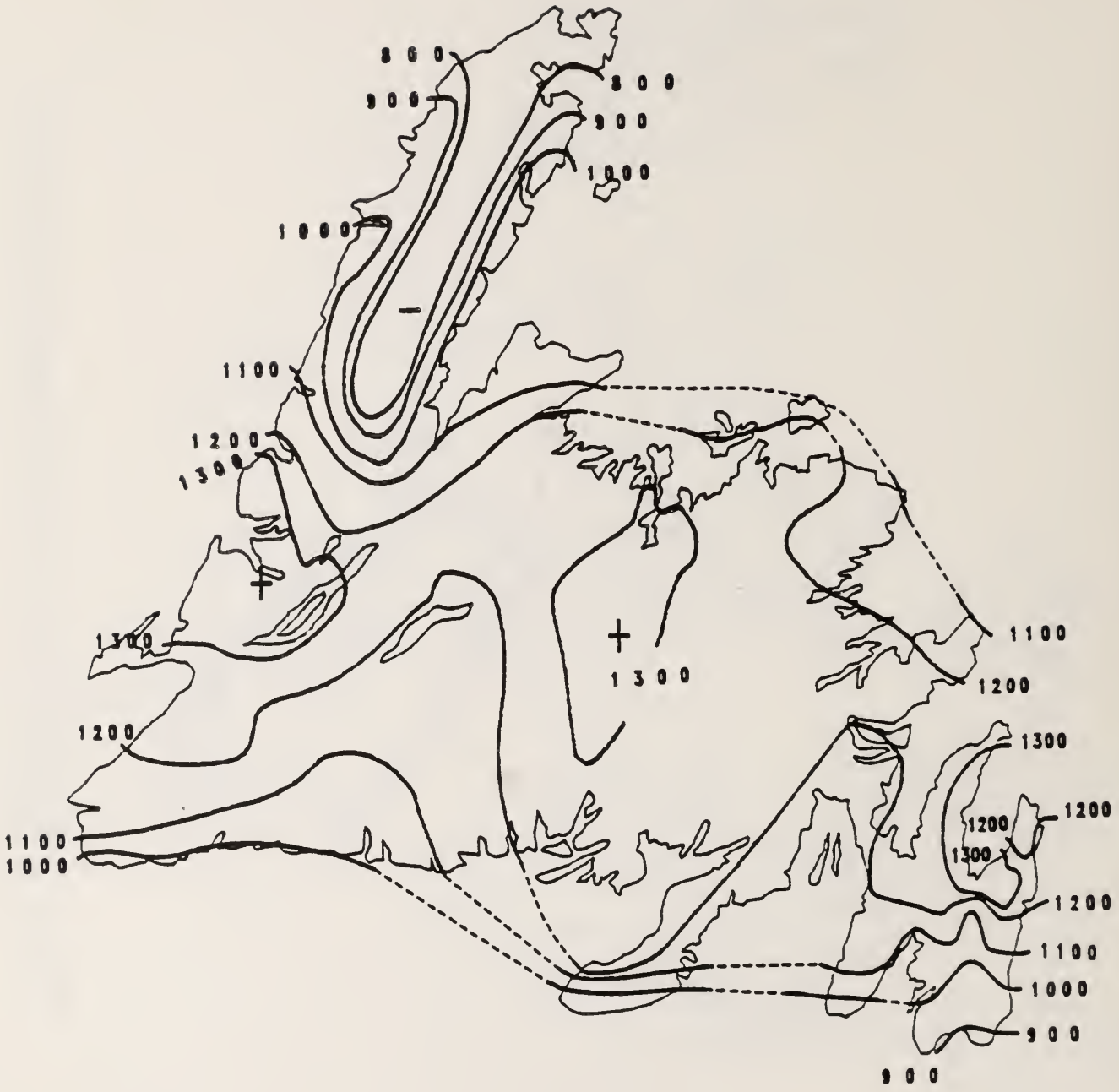

Figure 3b. Average growing degree–days above 5°C available from April–November in Newfoundland.

Figure 4a. Average growing degree–days above 10°C available from April–November in the Maritimes.

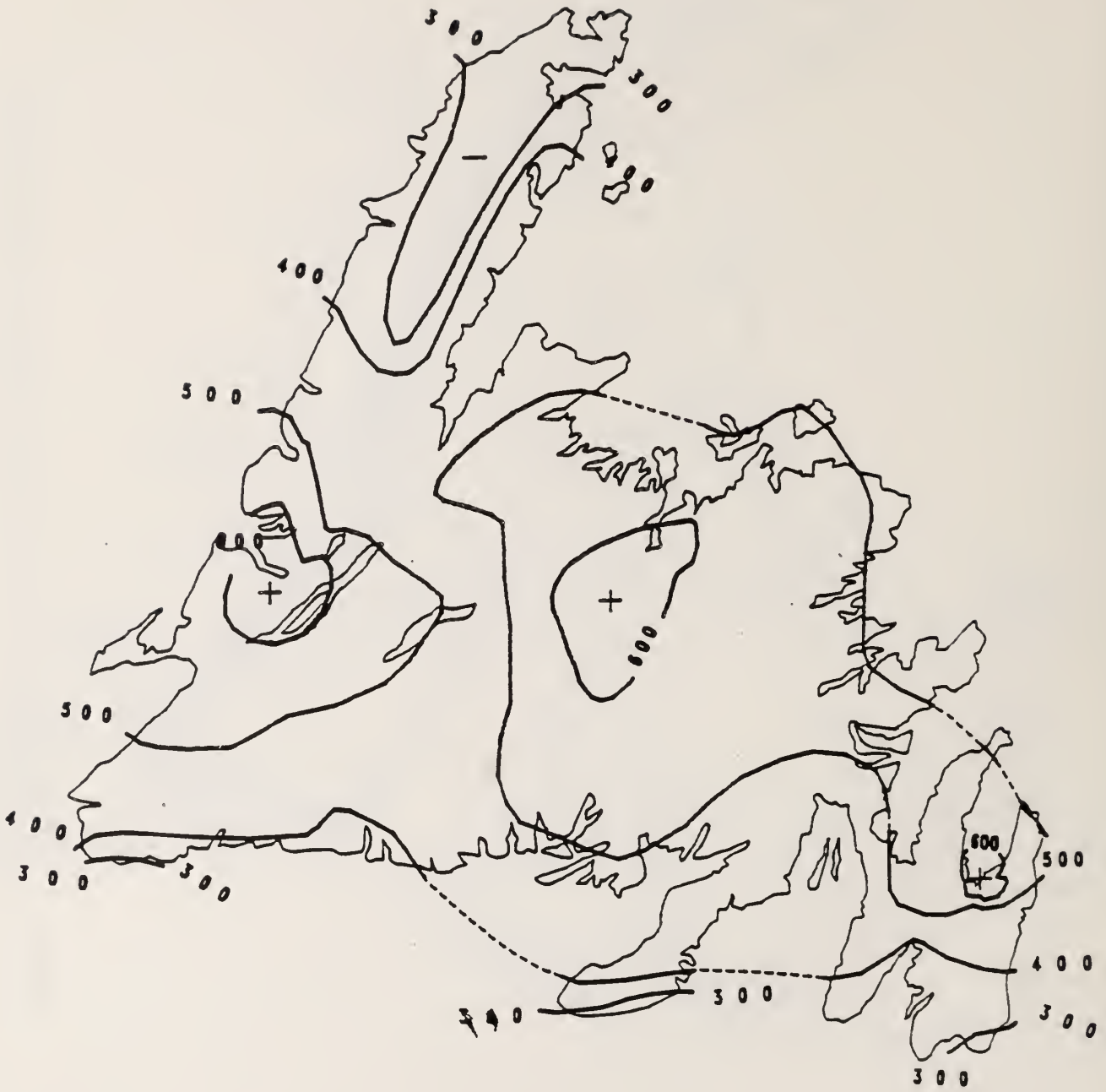

Figure 4b. Average growing degree–days above 10°C available from April–November in Newfoundland.

Appendix 1a. Growing degree–days accumulated from April 1 to selected ending dates for stations with complete 30 years data from 1956–1985.

Station : ACADIA FOREST EXP ST
Province: NEW BRUNSWICK
AES # : 8100100
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	114	62	67	77	100	116	127	156	166	168
May 31	426	270	299	332	397	432	454	507	518	524
June 30	888	767	772	803	852	881	913	984	1001	1012
July 31	1460	1295	1305	1343	1413	1459	1510	1572	1597	1615
August 31	1998	1762	1803	1905	1929	1989	2078	2133	2150	2162
September 30	2376	2086	2141	2256	2318	2379	2450	2513	2550	2568
October 31	2594	2285	2351	2417	2539	2592	2674	2751	2773	2780
November 30	2669	2363	2420	2474	2602	2677	2752	2853	2871	2875
Base Temperature 5°C										
April 30	24	4	4	5	14	23	35	45	48	49
May 31	185	63	77	110	164	187	204	261	267	272
June 30	497	392	401	420	470	494	526	573	607	620
July 31	914	755	762	814	876	908	953	1022	1049	1064
August 31	1298	1068	1106	1195	1237	1303	1366	1426	1455	1461
September 30	1526	1243	1294	1393	1463	1529	1599	1657	1685	1717
October 31	1614	1314	1375	1458	1568	1617	1686	1765	1777	1778
November 30	1633	1330	1388	1460	1580	1635	1706	1778	1802	1809
Base Temperature 10°C										
April 30	2	0	0	0	0	1	4	6	9	13
May 31	55	1	5	18	39	51	70	98	115	117
June 30	220	127	138	175	198	214	247	280	294	311
July 31	482	358	364	387	446	483	513	571	587	594
August 31	711	541	558	593	672	719	768	819	840	842
September 30	807	611	629	674	758	818	875	906	937	956
October 31	828	617	641	686	781	835	893	943	956	959
November 30	830	618	642	686	785	840	900	947	958	959

Station : ALMA
Province: NEW BRUNSWICK
AES # : 8100200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	108	48	49	65	90	107	137	153	173	175
May 31	382	233	278	317	339	381	423	469	478	480
June 30	788	626	670	714	744	787	836	893	906	912
July 31	1302	1138	1148	1189	1240	1313	1341	1434	1446	1453
August 31	1815	1636	1649	1668	1725	1821	1865	1949	1970	1975
September 30	2208	2011	2012	2059	2134	2219	2262	2356	2391	2431
October 31	2459	2245	2251	2281	2352	2466	2544	2610	2644	2684
November 30	2571	2334	2347	2382	2492	2597	2644	2736	2780	2796
Base Temperature 5°C										
April 30	19	0	2	3	4	17	31	40	55	60
May 31	141	44	57	99	113	135	170	206	213	222
June 30	397	286	303	333	362	401	424	486	498	504
July 31	756	609	624	645	710	764	794	858	879	900
August 31	1114	934	947	995	1036	1112	1172	1239	1247	1255
September 30	1357	1156	1158	1202	1300	1370	1407	1494	1519	1546
October 31	1466	1260	1269	1293	1406	1482	1540	1594	1634	1665
November 30	1496	1298	1299	1302	1424	1526	1565	1633	1673	1688
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	5	7	7
May 31	24	0	2	4	11	24	33	44	59	63
June 30	133	94	95	95	100	136	158	166	194	196
July 31	337	217	246	275	297	348	374	394	418	438
August 31	539	386	409	444	498	547	595	620	642	665
September 30	641	469	486	518	602	652	685	735	761	765
October 31	664	488	502	540	620	674	710	771	785	795
November 30	667	489	502	541	620	681	715	776	788	795

Station : AROOSTOOK
Province: NEW BRUNSWICK
AES # : 8100300
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	107	62	66	71	84	98	128	156	167	168
May 31	421	268	281	312	391	435	459	506	514	515
June 30	895	738	759	794	865	894	938	998	1003	1005
July 31	1468	1242	1299	1359	1400	1478	1528	1578	1605	1620
August 31	2000	1718	1813	1893	1944	1977	2093	2129	2157	2176
September 30	2371	2038	2142	2246	2299	2382	2468	2512	2534	2538
October 31	2575	2254	2319	2424	2497	2572	2679	2734	2749	2753
November 30	2635	2319	2377	2449	2570	2646	2740	2778	2824	2831
Base Temperature 5°C										
April 30	22	3	3	4	7	18	34	48	53	57
May 31	185	58	66	94	163	188	216	261	271	280
June 30	509	369	395	422	487	502	548	596	615	620
July 31	927	718	766	824	882	926	982	1035	1054	1069
August 31	1304	1039	1115	1203	1236	1294	1391	1428	1447	1470
September 30	1526	1213	1310	1391	1463	1539	1608	1659	1672	1675
October 31	1605	1301	1379	1452	1530	1618	1697	1750	1756	1758
November 30	1619	1314	1388	1458	1569	1626	1711	1758	1765	1771
Base Temperature 10°C										
April 30	2	0	0	0	0	0	4	5	11	14
May 31	59	0	7	14	37	54	84	105	123	132
June 30	235	132	153	192	207	233	261	295	316	323
July 31	498	360	362	415	463	496	542	573	605	610
August 31	721	529	557	620	661	715	800	813	850	858
September 30	813	602	632	679	753	829	892	924	934	941
October 31	831	616	646	687	774	844	910	943	952	955
November 30	833	617	647	687	779	844	912	943	954	955

Station : BATHURST
Province: NEW BRUNSWICK
AES # : 8100502
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	87	44	45	52	61	87	106	126	135	146
May 31	373	230	245	303	349	375	412	434	461	482
June 30	837	720	730	772	807	832	872	908	964	1003
July 31	1424	1233	1268	1343	1375	1408	1492	1524	1572	1628
August 31	1972	1722	1787	1854	1902	1960	2055	2099	2140	2178
September 30	2355	2062	2145	2243	2258	2357	2448	2482	2535	2575
October 31	2571	2285	2360	2422	2498	2577	2668	2698	2780	2824
November 30	2637	2353	2402	2469	2555	2640	2727	2784	2867	2930
Base Temperature 5°C										
April 30	14	0	0	3	6	13	21	30	38	40
May 31	151	35	52	79	130	157	173	202	224	243
June 30	466	347	373	402	438	452	497	531	586	614
July 31	897	706	739	809	853	900	943	1005	1049	1085
August 31	1290	1039	1102	1177	1203	1288	1356	1415	1456	1480
September 30	1524	1232	1311	1400	1434	1514	1613	1659	1694	1726
October 31	1607	1318	1391	1453	1529	1606	1695	1740	1790	1836
November 30	1622	1339	1401	1455	1555	1624	1711	1761	1809	1853
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	4	9	12
May 31	41	0	3	9	31	41	53	71	77	83
June 30	209	120	133	157	180	210	238	262	296	304
July 31	485	346	357	377	439	492	523	598	613	620
August 31	724	525	564	600	632	728	796	857	867	876
September 30	821	607	647	681	736	821	894	965	981	999
October 31	838	614	654	693	764	835	909	980	1013	1021
November 30	840	617	656	693	764	837	910	980	1016	1028

Station : CHATHAM A
Province: NEW BRUNSWICK
AES # : 8101000
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	98	45	51	57	77	96	126	137	144	153
May 31	395	232	248	323	362	408	422	469	489	494
June 30	866	751	763	784	837	854	907	951	983	993
July 31	1459	1298	1313	1339	1423	1445	1520	1565	1602	1616
August 31	2014	1833	1835	1909	1942	2018	2086	2149	2165	2179
September 30	2401	2192	2196	2267	2330	2402	2476	2540	2591	2602
October 31	2617	2406	2407	2452	2525	2617	2720	2772	2800	2800
November 30	2687	2462	2462	2488	2578	2692	2786	2874	2886	2889
Base Temperature 5°C										
April 30	20	0	1	1	6	20	29	41	52	53
May 31	168	43	54	96	148	172	191	225	246	260
June 30	490	403	408	426	460	487	515	566	599	610
July 31	927	769	783	833	882	925	967	1026	1050	1078
August 31	1327	1150	1150	1230	1260	1331	1399	1454	1470	1483
September 30	1564	1359	1361	1432	1499	1557	1660	1695	1733	1757
October 31	1650	1441	1459	1493	1581	1655	1746	1804	1816	1818
November 30	1667	1448	1473	1500	1587	1661	1758	1830	1838	1847
Base Temperature 10°C										
April 30	2	0	0	0	0	1	4	7	11	14
May 31	51	0	5	15	35	54	68	82	90	90
June 30	227	158	159	177	204	226	248	281	292	295
July 31	509	375	401	428	463	511	549	602	612	618
August 31	755	601	613	641	684	753	829	876	889	893
September 30	855	676	699	726	789	837	930	994	1010	1013
October 31	875	689	709	743	814	849	965	1011	1029	1030
November 30	877	689	709	746	815	850	966	1013	1038	1040

Station : DOAKTOWN
Province: NEW BRUNSWICK
AES # : 8101200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	104	57	59	62	86	100	123	154	162	166
May 31	406	240	268	293	375	418	449	478	518	526
June 30	865	610	674	743	830	870	905	959	1010	1026
July 31	1438	1084	1150	1300	1380	1474	1510	1582	1622	1645
August 31	1984	1675	1694	1839	1911	1990	2065	2135	2179	2193
September 30	2360	2063	2070	2203	2289	2362	2445	2543	2565	2567
October 31	2572	2243	2280	2395	2498	2582	2667	2765	2800	2802
November 30	2642	2341	2394	2450	2552	2659	2728	2806	2894	2917
Base Temperature 5°C										
April 30	21	2	2	3	9	19	33	43	47	49
May 31	174	44	63	79	150	182	207	222	263	280
June 30	483	247	319	385	453	491	513	563	605	630
July 31	901	566	633	760	870	901	961	1018	1073	1094
August 31	1292	1001	1021	1144	1223	1298	1381	1414	1475	1491
September 30	1519	1242	1248	1358	1456	1530	1604	1684	1700	1711
October 31	1602	1305	1329	1423	1533	1613	1699	1779	1801	1809
November 30	1619	1319	1356	1429	1537	1628	1711	1787	1820	1836
Base Temperature 10°C										
April 30	2	0	0	0	0	1	3	5	9	13
May 31	53	0	2	6	33	53	73	93	103	111
June 30	215	45	106	157	195	219	242	273	293	311
July 31	479	210	272	365	442	488	528	572	612	620
August 31	715	490	505	591	657	724	793	823	856	887
September 30	809	582	590	673	745	817	879	930	953	975
October 31	827	607	610	685	764	832	898	973	984	986
November 30	829	610	611	685	764	835	898	974	985	986

Station : EDMUNDSTON FRASER CO
Province: NEW BRUNSWICK
AES # : 8101301
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	101	43	53	62	79	99	120	153	169	179
May 31	408	251	265	284	379	414	457	488	516	529
June 30	881	738	748	774	832	878	925	980	1021	1053
July 31	1454	1241	1292	1342	1376	1450	1536	1567	1632	1675
August 31	1976	1712	1776	1859	1892	1945	2077	2113	2163	2179
September 30	2342	2035	2128	2213	2253	2322	2443	2515	2554	2592
October 31	2537	2252	2295	2384	2431	2530	2646	2710	2771	2835
November 30	2591	2311	2352	2402	2469	2580	2706	2764	2846	2938
Base Temperature 5°C										
April 30	21	2	3	4	6	15	33	45	55	59
May 31	179	53	64	80	156	181	213	253	286	296
June 30	502	380	395	418	459	495	533	596	641	670
July 31	920	728	775	826	844	906	997	1051	1093	1138
August 31	1288	1045	1112	1175	1206	1273	1383	1444	1468	1487
September 30	1504	1218	1312	1391	1424	1471	1586	1667	1707	1749
October 31	1579	1306	1379	1439	1489	1564	1672	1733	1801	1857
November 30	1591	1321	1386	1446	1494	1578	1683	1752	1826	1895
Base Temperature 10°C										
April 30	2	0	0	0	0	0	3	9	11	13
May 31	58	1	7	13	37	53	77	121	136	137
June 30	235	125	149	183	202	228	261	317	342	361
July 31	498	365	371	414	451	469	565	594	641	673
August 31	710	538	556	594	620	705	779	849	858	867
September 30	801	608	634	667	729	778	885	936	967	987
October 31	817	621	646	676	743	788	899	947	995	1018
November 30	819	623	647	676	743	790	903	947	1002	1027

Station : FREDERICTON A
Province: NEW BRUNSWICK
AES # : 8101500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	127	77	77	78	109	128	149	166	174	176
May 31	460	296	329	377	431	462	495	538	558	567
June 30	945	813	827	888	914	939	982	1011	1061	1087
July 31	1542	1384	1399	1461	1487	1546	1581	1666	1687	1700
August 31	2107	1904	1933	2030	2052	2088	2167	2246	2276	2281
September 30	2501	2261	2296	2388	2439	2486	2558	2646	2685	2703
October 31	2731	2498	2529	2593	2653	2718	2809	2892	2910	2917
November 30	2811	2588	2598	2643	2745	2803	2899	3001	3026	3034
Base Temperature 5°C										
April 30	30	4	4	8	13	31	43	54	60	62
May 31	210	75	92	140	187	216	230	276	299	314
June 30	545	438	440	477	524	539	576	606	659	684
July 31	988	829	843	911	947	983	1025	1102	1129	1143
August 31	1397	1193	1222	1309	1345	1384	1450	1531	1560	1567
September 30	1642	1402	1436	1521	1583	1638	1701	1783	1811	1840
October 31	1738	1502	1532	1600	1669	1730	1809	1898	1908	1913
November 30	1758	1525	1547	1604	1702	1752	1838	1926	1945	1945
Base Temperature 10°C										
April 30	3	0	0	0	0	2	6	8	12	16
May 31	67	1	8	24	49	64	87	113	129	144
June 30	253	171	171	205	230	250	277	298	335	364
July 31	541	428	432	445	507	538	573	623	652	661
August 31	796	649	657	693	744	796	848	896	925	938
September 30	903	740	743	778	860	903	959	1006	1051	1064
October 31	926	758	760	790	873	922	977	1054	1075	1085
November 30	929	760	761	790	881	925	987	1059	1081	1095

Station : FREDERICTON CDA
Province: NEW BRUNSWICK
AES # : 8101600
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	124	70	71	76	105	120	149	167	174	178
May 31	453	279	319	370	417	464	486	528	539	547
June 30	930	784	809	863	897	931	972	1015	1022	1022
July 31	1519	1371	1373	1417	1479	1517	1566	1614	1649	1661
August 31	2078	1880	1894	1999	2020	2071	2144	2173	2218	2270
September 30	2479	2223	2255	2361	2425	2486	2557	2586	2641	2655
October 31	2717	2468	2493	2574	2648	2720	2795	2851	2889	2895
November 30	2801	2569	2571	2644	2716	2805	2889	2941	2968	2973
Base Temperature 5°C										
April 30	28	2	3	6	12	28	44	51	58	58
May 31	205	69	88	134	178	213	228	276	281	282
June 30	532	424	427	474	500	526	573	603	619	625
July 31	966	820	823	884	921	974	1007	1053	1090	1099
August 31	1370	1171	1190	1287	1320	1367	1435	1465	1511	1553
September 30	1621	1367	1402	1496	1564	1632	1684	1738	1764	1788
October 31	1722	1470	1502	1575	1652	1735	1799	1838	1872	1886
November 30	1744	1503	1523	1581	1682	1746	1826	1871	1885	1895
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	6	10	14
May 31	62	1	7	20	45	60	83	104	115	118
June 30	241	162	166	193	216	238	273	289	299	311
July 31	520	406	420	437	491	523	556	599	617	619
August 31	769	630	630	677	735	773	816	843	900	915
September 30	882	710	716	757	828	896	936	967	1008	1014
October 31	906	731	735	770	850	912	967	1017	1024	1032
November 30	909	734	736	770	860	912	969	1020	1028	1032

Station : GAGETOWN 2
Province: NEW BRUNSWICK
AES # : 8101800
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	135	78	80	90	116	134	158	179	192	194
May 31	474	309	345	386	436	481	510	552	564	567
June 30	960	819	836	893	927	950	998	1047	1065	1085
July 31	1562	1407	1425	1448	1516	1558	1607	1665	1687	1692
August 31	2139	1935	1966	2051	2073	2142	2196	2233	2295	2309
September 30	2561	2307	2348	2428	2499	2580	2636	2685	2719	2747
October 31	2823	2562	2603	2665	2756	2838	2916	2958	2973	2974
November 30	2924	2670	2693	2743	2839	2947	3016	3076	3098	3102
Base Temperature 5°C										
April 30	34	5	7	10	13	32	48	65	66	67
May 31	220	86	107	140	197	224	243	285	297	308
June 30	556	445	447	496	530	547	583	638	658	676
July 31	1002	850	863	912	965	1005	1044	1103	1122	1127
August 31	1425	1223	1249	1332	1369	1427	1483	1514	1577	1589
September 30	1697	1445	1481	1560	1643	1700	1770	1805	1846	1878
October 31	1817	1559	1594	1657	1754	1840	1905	1939	1948	1956
November 30	1846	1591	1618	1667	1760	1867	1934	1973	1990	1990
Base Temperature 10°C										
April 30	4	0	0	0	0	1	6	11	13	14
May 31	67	1	8	19	52	67	88	105	127	131
June 30	254	180	188	196	227	252	278	308	335	349
July 31	546	427	435	460	518	545	573	627	638	645
August 31	813	659	665	708	781	824	862	903	941	952
September 30	943	758	764	799	902	956	1000	1046	1067	1092
October 31	975	781	787	818	929	977	1050	1095	1100	1102
November 30	979	784	790	818	930	980	1056	1098	1108	1111

Station : GRAND FALLS DRUMMOND
Province: NEW BRUNSWICK
AES # : 8101904
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	94	42	47	56	77	87	113	144	146	146
May 31	399	231	257	304	371	408	438	473	499	505
June 30	863	738	745	767	830	861	896	938	966	997
July 31	1423	1237	1274	1325	1374	1410	1474	1531	1558	1578
August 31	1938	1718	1777	1835	1874	1920	2014	2086	2109	2127
September 30	2297	2011	2086	2164	2224	2279	2378	2430	2520	2552
October 31	2487	2220	2249	2320	2406	2485	2578	2641	2708	2759
November 30	2539	2283	2301	2339	2450	2539	2641	2714	2765	2808
Base Temperature 5°C										
April 30	18	1	1	1	7	14	27	41	46	47
May 31	175	44	64	88	149	180	200	243	262	269
June 30	489	369	392	413	462	485	524	556	590	622
July 31	895	713	758	803	856	891	935	1004	1018	1025
August 31	1254	1039	1090	1149	1200	1245	1322	1391	1414	1420
September 30	1464	1185	1244	1356	1401	1457	1536	1590	1675	1695
October 31	1534	1264	1303	1391	1461	1534	1621	1689	1741	1798
November 30	1545	1277	1309	1395	1481	1541	1628	1700	1757	1811
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	6	10	15
May 31	56	1	8	14	33	49	87	106	122	123
June 30	224	125	145	175	196	223	258	274	300	326
July 31	474	351	352	391	430	466	522	559	585	592
August 31	679	523	527	554	637	677	736	800	816	831
September 30	765	580	581	645	712	754	829	876	944	985
October 31	779	583	587	658	717	775	847	906	957	1015
November 30	780	583	587	658	722	775	847	907	959	1017

Station : HARVEY STATION
Province: NEW BRUNSWICK
AES # : 8102200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	116	57	60	68	94	111	152	158	162	166
May 31	428	249	277	314	390	443	489	507	522	527
June 30	894	744	752	768	858	880	949	988	1026	1041
July 31	1475	1303	1317	1350	1410	1466	1547	1610	1617	1620
August 31	2025	1805	1821	1921	1950	1989	2116	2189	2219	2233
September 30	2414	2152	2160	2258	2321	2408	2543	2593	2610	2625
October 31	2639	2359	2382	2481	2531	2641	2745	2817	2843	2867
November 30	2715	2392	2444	2520	2611	2722	2843	2885	2940	2942
Base Temperature 5°C										
April 30	28	4	5	6	11	26	47	53	60	64
May 31	189	58	58	82	163	193	229	259	271	278
June 30	505	367	373	407	470	505	542	599	628	633
July 31	931	765	777	835	880	921	981	1055	1068	1076
August 31	1326	1113	1126	1222	1258	1303	1401	1480	1519	1540
September 30	1565	1311	1316	1427	1488	1563	1662	1730	1764	1782
October 31	1656	1388	1402	1487	1581	1636	1759	1818	1853	1888
November 30	1672	1389	1418	1488	1613	1653	1784	1829	1878	1894
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	9	16	23
May 31	56	0	3	10	33	49	81	109	117	119
June 30	224	139	142	155	197	220	240	309	318	321
July 31	495	376	378	407	455	486	523	589	621	632
August 31	735	571	585	616	681	736	779	871	910	940
September 30	837	629	656	697	780	837	913	980	1008	1038
October 31	856	637	670	704	793	869	935	985	1030	1062
November 30	857	637	673	704	795	871	936	985	1033	1062

Station : MINTO
Province: NEW BRUNSWICK
AES # : 8103000
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	130	75	82	94	113	123	153	169	200	202
May 31	461	316	344	373	427	465	502	531	553	576
June 30	947	842	855	873	903	938	982	1030	1079	1089
July 31	1554	1397	1417	1458	1500	1564	1606	1648	1665	1672
August 31	2131	1938	1953	2018	2055	2155	2184	2232	2273	2277
September 30	2549	2319	2335	2407	2477	2566	2626	2668	2695	2708
October 31	2806	2564	2607	2655	2689	2824	2878	2952	2957	2960
November 30	2903	2637	2688	2731	2812	2935	2983	3045	3071	3089
Base Temperature 5°C										
April 30	29	4	6	8	14	28	43	53	71	79
May 31	207	91	103	123	186	209	233	269	289	300
June 30	543	458	463	477	499	532	576	628	655	663
July 31	995	834	854	907	944	1007	1039	1082	1100	1115
August 31	1417	1221	1236	1303	1362	1434	1476	1519	1550	1555
September 30	1685	1452	1468	1538	1619	1711	1747	1805	1823	1827
October 31	1800	1554	1594	1629	1732	1831	1881	1937	1943	1945
November 30	1825	1568	1607	1654	1746	1853	1904	1952	1979	1979
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	7	12	14
May 31	63	1	6	17	49	58	86	101	110	112
June 30	250	175	187	197	221	245	279	316	328	331
July 31	547	405	433	470	505	559	591	617	630	631
August 31	814	636	659	692	782	821	880	908	924	931
September 30	939	728	760	788	898	955	1006	1040	1054	1057
October 31	968	745	776	810	926	991	1028	1078	1085	1086
November 30	972	747	778	811	927	991	1034	1079	1089	1094

Station : MONCTON
Province: NEW BRUNSWICK
AES # : 8103100
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	112	47	48	61	86	119	134	157	174	175
May 31	422	250	285	352	386	428	469	502	508	509
June 30	890	726	752	816	852	889	932	994	1011	1028
July 31	1475	1297	1309	1375	1432	1464	1534	1588	1601	1605
August 31	2031	1782	1824	1919	1972	2018	2112	2160	2193	2195
September 30	2431	2116	2184	2292	2352	2433	2528	2583	2610	2618
October 31	2672	2352	2426	2533	2567	2674	2771	2815	2888	2889
November 30	2768	2451	2515	2572	2639	2794	2879	2923	3011	3023
Base Temperature 5°C										
April 30	26	3	3	4	9	26	38	48	60	64
May 31	186	64	74	121	169	188	213	243	258	269
June 30	504	389	392	451	458	499	537	590	604	613
July 31	935	763	764	853	880	931	995	1034	1046	1048
August 31	1336	1094	1124	1219	1272	1335	1422	1463	1484	1490
September 30	1585	1280	1334	1448	1500	1589	1680	1730	1755	1767
October 31	1690	1379	1435	1540	1590	1693	1793	1825	1893	1920
November 30	1718	1406	1459	1547	1606	1736	1821	1856	1926	1962
Base Temperature 10°C										
April 30	3	0	0	0	0	2	5	12	13	14
May 31	58	3	5	23	46	63	74	90	97	99
June 30	229	161	164	168	196	226	259	291	307	311
July 31	505	360	381	423	461	505	552	573	614	615
August 31	751	572	582	632	693	751	811	864	895	901
September 30	862	648	666	724	798	866	931	996	1020	1045
October 31	888	664	682	739	821	890	963	1013	1052	1093
November 30	894	664	684	739	821	905	977	1019	1057	1103

Station : MONCTON A
Province: NEW BRUNSWICK
AES # : 8103200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	98	31	36	48	78	99	119	146	152	153
May 31	394	218	264	307	359	394	441	473	487	487
June 30	844	694	728	775	808	835	883	949	964	974
July 31	1415	1268	1274	1308	1387	1398	1464	1521	1541	1544
August 31	1960	1779	1786	1851	1893	1958	2029	2075	2105	2126
September 30	2349	2131	2148	2196	2293	2347	2418	2494	2524	2543
October 31	2580	2386	2392	2403	2507	2583	2653	2745	2755	2763
November 30	2672	2470	2471	2473	2582	2675	2732	2852	2883	2897
Base Temperature 5°C										
April 30	22	1	1	2	8	22	32	46	55	58
May 31	170	49	69	96	152	168	201	216	253	263
June 30	470	375	382	395	433	471	496	559	579	582
July 31	886	725	742	795	855	883	936	976	1002	1015
August 31	1275	1095	1098	1162	1234	1271	1343	1377	1410	1424
September 30	1515	1303	1309	1360	1463	1513	1602	1640	1675	1691
October 31	1613	1404	1414	1445	1560	1615	1676	1753	1783	1812
November 30	1639	1420	1435	1453	1583	1655	1699	1783	1822	1854
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	8	12	13
May 31	51	1	4	15	37	55	68	79	97	98
June 30	206	125	140	166	177	204	232	259	273	286
July 31	467	326	360	391	441	475	496	546	557	562
August 31	702	541	561	586	663	704	757	799	823	829
September 30	805	622	637	669	752	803	867	923	944	951
October 31	829	637	651	693	780	824	895	940	983	1005
November 30	833	639	652	697	783	831	903	944	994	1014

Station : NEPISIGUIT FALLS
Province: NEW BRUNSWICK
AES # : 8103500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	83	36	42	47	61	83	95	121	135	145
May 31	358	182	214	251	338	363	390	424	451	477
June 30	813	660	662	728	786	815	853	881	922	970
July 31	1383	1157	1212	1267	1340	1389	1441	1463	1525	1589
August 31	1915	1614	1709	1791	1842	1919	1990	2038	2073	2107
September 30	2285	1932	2050	2165	2208	2313	2372	2421	2451	2482
October 31	2488	2179	2233	2342	2416	2506	2588	2620	2659	2705
November 30	2547	2249	2291	2366	2464	2568	2648	2677	2739	2793
Base Temperature 5°C										
April 30	14	0	0	1	4	14	20	29	38	45
May 31	143	20	39	64	130	149	178	190	215	242
June 30	447	329	341	357	429	446	474	506	544	585
July 31	863	670	713	768	828	863	914	951	999	1049
August 31	1240	972	1048	1118	1178	1243	1296	1353	1388	1412
September 30	1460	1143	1241	1351	1412	1467	1548	1570	1612	1638
October 31	1536	1254	1324	1388	1467	1554	1623	1657	1696	1737
November 30	1548	1274	1333	1392	1494	1560	1634	1672	1713	1749
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	4	7	9
May 31	37	0	3	8	19	35	54	73	77	80
June 30	196	94	120	159	174	195	221	250	263	273
July 31	457	328	331	363	427	462	489	550	572	582
August 31	679	475	512	557	639	685	727	789	809	814
September 30	768	545	585	656	724	767	849	871	884	886
October 31	783	560	599	676	731	786	856	894	907	917
November 30	785	563	600	676	731	786	856	894	908	917

Station : REXTON
Province: NEW BRUNSWICK
AES # : 8104400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	87	29	34	40	61	91	106	129	147	157
May 31	370	209	251	290	333	382	409	425	488	497
June 30	828	675	696	748	786	815	860	947	982	984
July 31	1415	1256	1262	1284	1356	1418	1466	1551	1592	1608
August 31	1972	1770	1780	1806	1905	1962	2040	2138	2154	2166
September 30	2365	2117	2148	2185	2295	2370	2462	2517	2550	2572
October 31	2602	2360	2361	2407	2529	2612	2711	2749	2801	2839
November 30	2689	2405	2425	2456	2614	2701	2795	2848	2912	2984
Base Temperature 5°C										
April 30	18	0	1	2	4	17	27	39	46	47
May 31	154	42	61	93	133	157	177	189	245	260
June 30	462	358	370	384	422	457	492	561	588	609
July 31	894	726	744	807	840	888	946	1006	1050	1082
August 31	1296	1095	1106	1161	1215	1303	1371	1424	1470	1485
September 30	1539	1292	1318	1384	1454	1545	1630	1679	1709	1741
October 31	1639	1390	1409	1448	1573	1652	1733	1785	1824	1870
November 30	1662	1416	1426	1450	1576	1673	1761	1805	1866	1914
Base Temperature 10°C										
April 30	3	0	0	0	0	0	5	8	12	15
May 31	45	0	6	15	32	44	59	73	83	93
June 30	206	112	122	164	180	203	235	271	288	292
July 31	484	342	361	389	432	487	531	578	612	616
August 31	731	567	571	585	656	746	800	853	875	895
September 30	836	645	652	690	742	834	917	971	980	987
October 31	860	657	665	697	776	859	939	986	1015	1028
November 30	863	658	665	697	778	861	944	992	1018	1033

Station : SACKVILLE
Province: NEW BRUNSWICK
AES # : 8104500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	106	29	40	57	80	108	132	151	160	168
May 31	392	239	279	321	349	396	443	473	487	500
June 30	823	675	687	738	774	829	872	932	947	948
July 31	1369	1213	1231	1252	1315	1379	1416	1486	1501	1517
August 31	1905	1724	1734	1776	1851	1914	1963	2032	2044	2051
September 30	2308	2096	2121	2149	2221	2332	2382	2438	2462	2470
October 31	2562	2361	2376	2412	2463	2574	2654	2691	2702	2702
November 30	2667	2447	2465	2494	2556	2700	2762	2811	2850	2864
Base Temperature 5°C										
April 30	21	2	3	3	7	19	29	42	59	69
May 31	158	66	74	101	133	148	182	215	244	257
June 30	438	345	349	360	399	442	468	527	548	555
July 31	830	694	701	713	785	841	860	923	952	969
August 31	1211	1051	1057	1069	1172	1214	1256	1321	1338	1348
September 30	1464	1254	1269	1336	1393	1491	1526	1581	1601	1616
October 31	1577	1378	1381	1447	1487	1592	1661	1694	1725	1741
November 30	1606	1408	1410	1448	1513	1622	1690	1726	1772	1782
Base Temperature 10°C										
April 30	2	0	0	0	0	0	1	7	15	19
May 31	36	2	4	11	19	34	46	59	88	91
June 30	169	102	109	125	146	164	194	219	242	246
July 31	406	295	303	344	370	414	432	485	495	497
August 31	632	508	510	535	585	637	675	714	740	741
September 30	743	586	601	626	690	747	813	841	859	867
October 31	771	603	623	645	701	771	846	868	891	912
November 30	776	608	626	649	701	771	846	880	897	917

Station : SAINT JOHN A
Province: NEW BRUNSWICK
AES # : 8104900
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	103	45	46	65	82	103	125	142	158	162
May 31	382	243	266	315	335	386	424	454	478	483
June 30	795	661	675	732	749	790	836	886	914	932
July 31	1315	1179	1179	1211	1251	1316	1363	1425	1457	1466
August 31	1829	1648	1668	1705	1748	1840	1896	1957	1986	2007
September 30	2210	1989	2030	2063	2129	2227	2280	2330	2405	2411
October 31	2444	2228	2245	2287	2324	2457	2533	2574	2639	2650
November 30	2540	2296	2319	2347	2440	2560	2626	2720	2751	2760
Base Temperature 5°C										
April 30	18	1	1	3	6	16	29	42	46	49
May 31	146	53	55	92	121	148	172	195	234	240
June 30	409	310	316	352	376	403	433	467	520	539
July 31	774	647	655	687	723	775	811	851	908	918
August 31	1133	961	984	1023	1074	1142	1180	1243	1275	1304
September 30	1364	1152	1182	1213	1297	1374	1422	1476	1536	1558
October 31	1460	1255	1272	1298	1387	1474	1543	1586	1630	1633
November 30	1486	1282	1287	1300	1406	1490	1572	1633	1658	1663
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	5	9	10
May 31	29	0	1	7	15	26	37	60	72	81
June 30	145	91	100	112	126	141	160	188	209	229
July 31	355	264	282	303	327	348	379	419	443	453
August 31	559	448	449	457	524	559	605	646	676	685
September 30	651	505	514	525	613	653	699	743	769	790
October 31	671	517	527	540	634	670	721	770	790	794
November 30	674	517	529	540	639	672	725	775	791	797

Station : SUSSEX
Province: NEW BRUNSWICK
AES # : 8105200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	123	59	63	78	97	127	150	167	179	182
May 31	439	277	296	359	397	448	481	517	535	544
June 30	895	745	755	817	855	891	929	1008	1019	1021
July 31	1468	1274	1318	1359	1415	1458	1523	1574	1607	1629
August 31	2016	1745	1825	1919	1950	1992	2082	2159	2168	2170
September 30	2410	2093	2188	2291	2322	2417	2494	2564	2573	2578
October 31	2646	2317	2396	2505	2570	2649	2746	2779	2831	2836
November 30	2741	2426	2484	2559	2679	2748	2810	2904	2955	2975
Base Temperature 5°C										
April 30	29	2	4	6	9	29	39	52	64	69
May 31	193	72	78	124	168	196	231	248	280	291
June 30	499	385	388	418	469	498	534	592	614	618
July 31	917	740	766	820	871	912	973	1014	1047	1071
August 31	1310	1056	1119	1214	1239	1300	1370	1448	1453	1456
September 30	1554	1255	1331	1425	1486	1565	1627	1690	1702	1703
October 31	1657	1352	1428	1512	1601	1661	1746	1793	1825	1833
November 30	1686	1379	1453	1522	1637	1701	1762	1832	1861	1882
Base Temperature 10°C										
April 30	3	0	0	0	0	2	5	10	17	19
May 31	56	2	4	15	39	55	71	100	110	114
June 30	215	130	140	167	184	215	240	277	293	296
July 31	477	363	364	396	448	479	513	554	572	589
August 31	715	527	562	616	659	712	771	824	830	834
September 30	823	606	646	695	769	842	896	929	932	934
October 31	850	624	665	713	798	867	917	954	977	987
November 30	854	628	669	713	807	871	923	956	983	992

Station : BADDECK
Province: NOVA SCOTIA
AES # : 8200300
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	91	33	40	48	71	90	113	128	160	174
May 31	349	212	226	264	318	347	386	432	463	468
June 30	759	622	638	663	704	757	815	865	882	888
July 31	1317	1147	1148	1172	1258	1318	1393	1404	1432	1448
August 31	1877	1688	1701	1724	1798	1894	1954	2000	2011	2021
September 30	2298	2088	2090	2138	2208	2322	2391	2420	2444	2457
October 31	2574	2349	2355	2385	2479	2604	2667	2701	2719	2724
November 30	2708	2415	2439	2484	2606	2748	2809	2875	2888	2897
Base Temperature 5°C										
April 30	15	1	1	2	5	12	21	31	51	56
May 31	126	41	51	61	106	124	149	182	212	227
June 30	386	296	303	311	338	394	422	470	491	507
July 31	788	612	627	678	749	793	847	880	890	894
August 31	1194	995	1008	1063	1107	1208	1275	1299	1319	1329
September 30	1465	1247	1249	1335	1360	1489	1546	1581	1603	1616
October 31	1592	1359	1376	1415	1521	1610	1685	1701	1730	1732
November 30	1629	1361	1393	1437	1552	1647	1723	1766	1780	1794
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	4	10	11
May 31	25	0	1	4	14	25	39	42	56	66
June 30	142	75	83	93	112	142	170	199	201	202
July 31	390	245	269	303	360	393	432	454	489	505
August 31	640	473	482	524	586	661	692	748	763	780
September 30	765	574	578	662	699	771	831	867	905	917
October 31	796	591	601	679	737	798	866	912	932	948
November 30	800	591	603	688	738	801	867	921	942	960

Station : CAPE SABLE
Province: NOVA SCOTIA
AES # : 8200700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	109	51	60	74	92	110	132	142	145	146
May 31	322	209	226	259	291	322	367	383	395	398
June 30	617	467	474	522	566	613	680	701	735	748
July 31	966	801	804	829	919	963	1041	1075	1094	1097
August 31	1357	1148	1149	1174	1281	1366	1430	1511	1533	1560
September 30	1734	1471	1473	1526	1648	1736	1836	1925	1935	1939
October 31	2043	1720	1737	1771	1932	2057	2148	2227	2270	2278
November 30	2234	1851	1890	1954	2140	2254	2340	2428	2474	2495
Base Temperature 5°C										
April 30	8	0	0	1	3	6	14	18	23	27
May 31	70	18	22	28	48	67	93	108	126	140
June 30	215	116	121	146	176	212	253	286	325	359
July 31	409	283	289	303	374	400	465	503	530	553
August 31	644	460	475	498	591	640	714	775	809	844
September 30	872	631	654	689	787	874	949	1036	1057	1064
October 31	1028	726	749	803	957	1036	1122	1182	1240	1243
November 30	1092	749	794	862	1016	1097	1200	1254	1310	1316
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	1	1
May 31	1	0	0	0	0	0	1	2	12	18
June 30	18	1	2	2	6	14	23	36	73	119
July 31	61	5	11	26	41	62	75	96	127	159
August 31	142	25	38	73	100	128	181	220	276	329
September 30	222	58	79	108	171	220	282	339	378	401
October 31	256	60	80	117	203	254	319	363	432	440
November 30	261	60	80	121	209	256	330	365	438	447

Station : COLLEGEVILLE
Province: NOVA SCOTIA
AES # : 8201000
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	91	28	30	42	64	95	118	147	158	168
May 31	362	212	240	268	340	363	399	457	468	472
June 30	787	657	664	695	748	774	825	918	936	949
July 31	1349	1203	1210	1219	1308	1336	1401	1468	1503	1508
August 31	1896	1711	1739	1786	1820	1894	1963	2036	2069	2071
September 30	2297	2076	2108	2154	2230	2298	2375	2447	2476	2499
October 31	2548	2335	2347	2382	2449	2533	2627	2724	2752	2775
November 30	2660	2416	2445	2483	2558	2662	2748	2844	2894	2942
Base Temperature 5°C										
April 30	18	0	1	2	7	17	29	38	58	64
May 31	145	41	57	73	128	145	168	212	217	220
June 30	419	332	334	347	363	415	461	512	538	547
July 31	826	688	700	719	778	820	888	920	949	958
August 31	1218	1057	1082	1110	1132	1219	1298	1331	1368	1377
September 30	1469	1273	1307	1340	1386	1465	1558	1605	1638	1640
October 31	1579	1391	1411	1431	1497	1573	1670	1719	1775	1822
November 30	1612	1427	1434	1452	1545	1607	1696	1748	1814	1880
Base Temperature 10°C										
April 30	3	0	0	0	0	1	3	10	12	13
May 31	38	1	4	9	29	41	53	65	66	67
June 30	171	96	106	120	144	172	195	225	244	253
July 31	423	327	330	354	373	420	470	499	509	511
August 31	661	543	553	565	601	659	726	760	798	806
September 30	774	633	645	659	714	773	823	902	920	924
October 31	803	663	671	680	730	801	863	917	975	993
November 30	809	663	671	682	738	804	865	923	993	1006

Station : ECUM SECUM
Province: NOVA SCOTIA
AES # : 8201700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	83	36	37	48	65	82	102	116	140	145
May 31	296	190	205	222	259	290	339	377	395	410
June 30	638	500	515	546	583	635	675	744	798	833
July 31	1104	941	956	983	1032	1098	1167	1236	1304	1352
August 31	1604	1359	1404	1446	1526	1612	1655	1775	1846	1882
September 30	2009	1733	1778	1837	1907	2017	2081	2179	2266	2337
October 31	2277	1976	2035	2102	2179	2278	2355	2452	2528	2610
November 30	2407	2053	2122	2239	2337	2428	2492	2559	2686	2736
Base Temperature 5°C										
April 30	8	0	0	0	2	6	12	20	27	28
May 31	76	16	19	30	57	75	91	124	137	139
June 30	269	183	185	194	239	262	292	356	393	412
July 31	579	444	462	480	536	576	624	686	744	776
August 31	924	708	747	786	877	923	973	1073	1129	1151
September 30	1179	932	970	1016	1108	1186	1215	1327	1399	1456
October 31	1300	1030	1081	1130	1241	1302	1368	1447	1515	1585
November 30	1337	1042	1089	1180	1271	1347	1405	1475	1561	1611
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	1	2
May 31	6	0	0	0	2	5	10	14	16	16
June 30	62	24	28	32	45	61	72	98	120	144
July 31	218	127	134	161	180	216	248	283	320	353
August 31	408	237	263	329	365	408	447	488	566	573
September 30	520	329	354	421	480	532	554	603	695	731
October 31	549	343	371	447	505	557	603	635	722	775
November 30	553	343	371	451	511	561	604	640	723	775

Station : GREENWOOD A
Province: NOVA SCOTIA
AES # : 8202000
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	138	61	65	93	109	143	162	182	204	217
May 31	464	292	331	382	424	465	520	552	564	577
June 30	938	789	824	855	881	933	992	1028	1076	1107
July 31	1529	1398	1404	1414	1479	1509	1599	1636	1681	1718
August 31	2092	1906	1942	1975	2003	2070	2162	2243	2291	2331
September 30	2505	2280	2309	2352	2416	2484	2595	2657	2737	2790
October 31	2766	2536	2560	2584	2654	2752	2866	2965	3007	3043
November 30	2895	2651	2663	2680	2782	2886	2992	3132	3172	3199
Base Temperature 5°C										
April 30	36	2	5	8	13	42	50	64	80	94
May 31	211	79	98	143	181	206	250	279	294	311
June 30	534	426	436	457	489	540	572	607	661	690
July 31	970	846	852	865	911	976	1020	1061	1114	1147
August 31	1378	1198	1230	1260	1298	1368	1442	1526	1569	1605
September 30	1641	1422	1446	1495	1565	1642	1716	1783	1851	1914
October 31	1761	1541	1563	1598	1667	1759	1853	1940	1989	2018
November 30	1803	1580	1587	1610	1713	1800	1900	1998	2048	2071
Base Temperature 10°C										
April 30	6	0	0	0	0	4	9	13	23	33
May 31	64	4	12	20	41	70	82	105	116	129
June 30	240	144	157	192	206	234	279	288	328	358
July 31	520	419	423	436	472	526	559	590	639	660
August 31	774	649	649	650	701	771	833	911	939	963
September 30	896	726	738	756	822	895	958	1040	1080	1122
October 31	929	750	763	778	841	925	1003	1089	1119	1135
November 30	938	750	766	784	865	938	1015	1106	1134	1145

Station : INGONISH BEACH
Province: NOVA SCOTIA
AES # : 8202500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	83	25	33	50	57	82	103	126	144	147
May 31	320	168	180	249	286	318	358	392	430	452
June 30	732	597	599	643	679	721	781	840	869	882
July 31	1303	1115	1138	1165	1254	1301	1376	1428	1438	1441
August 31	1867	1662	1693	1726	1795	1876	1945	1998	2009	2009
September 30	2290	2057	2092	2134	2209	2297	2381	2416	2426	2429
October 31	2564	2335	2350	2396	2491	2569	2666	2689	2713	2725
November 30	2694	2424	2452	2491	2613	2717	2784	2849	2875	2904
Base Temperature 5°C										
April 30	14	0	0	1	5	11	19	32	44	46
May 31	111	23	25	57	91	108	139	158	180	202
June 30	372	275	281	302	320	365	419	464	473	481
July 31	788	595	634	687	729	795	842	891	924	948
August 31	1198	987	1030	1075	1115	1210	1262	1330	1349	1351
September 30	1471	1232	1282	1328	1375	1465	1564	1596	1616	1617
October 31	1597	1358	1404	1447	1525	1586	1679	1729	1781	1784
November 30	1633	1389	1420	1456	1564	1643	1714	1755	1844	1845
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	6	11	14
May 31	26	0	0	3	17	27	34	46	55	64
June 30	148	60	83	102	116	134	186	209	221	224
July 31	409	245	284	337	361	417	460	482	540	584
August 31	663	482	511	552	593	668	708	802	833	835
September 30	791	579	611	684	727	790	857	909	967	991
October 31	824	606	636	710	760	827	885	956	1012	1042
November 30	830	610	638	717	764	835	895	956	1031	1067

Station : KENTVILLE CDA
Province: NOVA SCOTIA
AES # : 8202800
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	135	56	59	89	103	143	158	186	196	199
May 31	461	299	325	380	422	465	499	545	555	560
June 30	938	798	814	852	900	927	971	1041	1063	1066
July 31	1534	1367	1399	1430	1494	1528	1595	1644	1657	1667
August 31	2106	1872	1936	2010	2052	2089	2167	2243	2280	2287
September 30	2537	2252	2332	2416	2469	2533	2604	2700	2725	2728
October 31	2816	2512	2590	2683	2743	2822	2922	2975	3006	3030
November 30	2949	2650	2711	2781	2837	2956	3035	3127	3148	3170
Base Temperature 5°C										
April 30	36	5	6	9	14	38	50	68	81	85
May 31	210	88	102	144	187	212	240	280	286	287
June 30	537	437	441	463	502	524	575	620	649	653
July 31	978	829	845	868	939	975	1040	1074	1086	1098
August 31	1395	1180	1225	1301	1321	1392	1446	1522	1560	1572
September 30	1676	1410	1471	1549	1613	1696	1739	1833	1847	1854
October 31	1810	1531	1599	1664	1739	1827	1903	1953	1982	2000
November 30	1852	1575	1638	1691	1766	1868	1933	2003	2024	2038
Base Temperature 10°C										
April 30	6	0	0	0	0	4	9	18	24	31
May 31	64	1	10	25	50	68	83	104	113	117
June 30	242	161	168	199	209	239	272	292	319	333
July 31	528	414	422	437	484	529	576	612	621	624
August 31	791	631	649	687	722	798	849	909	936	955
September 30	927	733	758	794	868	936	992	1039	1075	1075
October 31	965	759	785	825	907	971	1045	1086	1104	1108
November 30	974	767	793	825	914	975	1047	1096	1110	1111

Station : LIVERPOOL BIG FALLS
Province: NOVA SCOTIA
AES # : 8203100
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	150	67	77	93	126	156	182	198	203	206
May 31	479	303	343	385	443	487	521	557	578	586
June 30	953	776	823	872	910	939	1002	1068	1080	1081
July 31	1546	1390	1406	1422	1483	1545	1618	1663	1680	1695
August 31	2120	1942	1971	1999	2040	2115	2210	2262	2288	2313
September 30	2552	2339	2365	2391	2467	2554	2636	2714	2727	2728
October 31	2840	2610	2636	2665	2747	2862	2929	3013	3024	3028
November 30	2983	2728	2730	2769	2883	3023	3079	3157	3200	3216
Base Temperature 5°C										
April 30	41	6	7	9	21	44	58	74	76	78
May 31	217	88	105	148	194	224	245	284	298	304
June 30	540	411	444	475	495	526	592	638	649	651
July 31	979	819	836	880	916	982	1049	1080	1096	1110
August 31	1398	1216	1246	1279	1331	1407	1471	1529	1552	1575
September 30	1680	1464	1492	1542	1602	1689	1750	1825	1838	1840
October 31	1820	1581	1616	1654	1730	1839	1899	1973	1986	1995
November 30	1866	1612	1637	1678	1785	1892	1963	2017	2045	2050
Base Temperature 10°C										
April 30	6	0	0	0	0	4	10	15	17	19
May 31	62	2	9	26	47	63	78	103	108	110
June 30	238	168	172	179	205	232	274	302	307	310
July 31	521	381	403	434	478	522	568	597	610	619
August 31	785	623	642	687	729	793	830	878	919	941
September 30	923	727	748	813	852	941	992	1028	1050	1068
October 31	964	752	774	845	880	982	1046	1089	1097	1100
November 30	973	759	777	845	890	989	1056	1099	1102	1103

Station : METEGHAN RIVER
Province: NOVA SCOTIA
AES # : 8203500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	137	77	80	95	109	139	164	175	194	209
May 31	425	284	306	349	398	422	468	500	533	540
June 30	822	667	689	722	792	815	861	917	941	949
July 31	1321	1161	1169	1187	1276	1320	1384	1420	1458	1479
August 31	1822	1659	1660	1666	1765	1815	1913	1953	1963	1970
September 30	2227	2017	2018	2072	2157	2208	2322	2372	2388	2400
October 31	2520	2276	2296	2381	2426	2503	2632	2656	2698	2710
November 30	2679	2371	2445	2511	2592	2695	2776	2820	2891	2892
Base Temperature 5°C										
April 30	27	2	3	3	12	24	41	50	61	71
May 31	161	58	67	108	136	162	186	222	248	265
June 30	408	291	300	331	374	409	445	488	505	523
July 31	752	629	630	632	707	753	804	838	868	898
August 31	1098	958	961	969	1028	1095	1182	1209	1222	1234
September 30	1353	1166	1166	1222	1286	1348	1447	1484	1495	1497
October 31	1495	1279	1296	1363	1403	1485	1591	1615	1652	1655
November 30	1545	1291	1338	1398	1462	1556	1635	1666	1719	1723
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	8	13	17
May 31	28	1	2	7	18	27	35	48	72	96
June 30	127	80	81	86	104	128	149	163	187	208
July 31	316	224	241	257	277	320	348	382	410	428
August 31	507	398	410	421	458	506	570	596	606	609
September 30	617	471	476	505	555	621	693	710	716	720
October 31	652	487	498	532	595	653	723	756	772	779
November 30	660	487	510	533	600	657	726	763	780	792

Station : MOUNT UNIACKE
Province: NOVA SCOTIA
AES # : 8203600
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	101	40	42	58	73	104	122	154	157	157
May 31	381	241	259	319	346	383	415	458	461	463
June 30	808	691	700	744	779	792	838	913	934	944
July 31	1354	1214	1236	1262	1298	1342	1405	1466	1488	1493
August 31	1884	1687	1739	1791	1828	1866	1944	2016	2034	2038
September 30	2277	2055	2101	2146	2195	2266	2353	2419	2448	2458
October 31	2520	2323	2340	2359	2437	2502	2616	2661	2695	2724
November 30	2624	2402	2409	2433	2527	2639	2713	2794	2826	2835
Base Temperature 5°C										
April 30	20	1	2	2	5	20	29	36	52	55
May 31	151	53	59	91	137	155	168	203	219	222
June 30	428	347	350	370	394	418	459	519	534	539
July 31	818	699	703	725	782	802	878	919	933	943
August 31	1194	1017	1052	1102	1135	1180	1255	1311	1324	1327
September 30	1437	1236	1264	1307	1368	1444	1517	1564	1580	1587
October 31	1541	1364	1371	1400	1464	1554	1606	1680	1700	1714
November 30	1570	1379	1393	1412	1476	1594	1642	1718	1736	1740
Base Temperature 10°C										
April 30	2	0	0	0	0	0	3	7	8	9
May 31	35	0	2	8	26	36	50	61	64	67
June 30	166	105	109	118	144	160	196	218	230	236
July 31	402	312	323	341	365	393	442	473	489	495
August 31	623	505	513	532	567	616	672	708	736	745
September 30	729	581	592	619	676	725	802	821	832	842
October 31	754	594	614	637	690	765	828	857	869	874
November 30	758	594	615	640	700	766	840	861	872	874

Station : NAPPAN CDA
Province: NOVA SCOTIA
AES # : 8203700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	105	26	33	51	80	109	126	150	166	178
May 31	393	228	271	317	347	389	428	495	500	502
June 30	831	665	715	765	782	814	873	949	955	957
July 31	1388	1235	1249	1272	1327	1378	1465	1500	1528	1540
August 31	1926	1757	1760	1815	1854	1931	2029	2065	2068	2070
September 30	2327	2119	2134	2177	2250	2310	2419	2483	2499	2517
October 31	2580	2372	2387	2421	2483	2576	2677	2759	2779	2787
November 30	2690	2489	2489	2495	2581	2710	2793	2844	2923	2939
Base Temperature 5°C										
April 30	22	1	1	4	8	23	31	43	62	66
May 31	162	57	73	93	138	150	192	233	245	258
June 30	450	343	361	384	408	442	488	540	559	563
July 31	851	685	717	760	792	848	919	950	970	991
August 31	1235	1052	1069	1114	1172	1240	1327	1361	1371	1377
September 30	1486	1288	1290	1328	1408	1482	1563	1629	1636	1644
October 31	1599	1397	1402	1429	1523	1588	1691	1750	1771	1773
November 30	1631	1426	1429	1440	1558	1638	1723	1782	1813	1830
Base Temperature 10°C										
April 30	2	0	0	0	0	1	3	10	14	15
May 31	41	4	5	11	19	44	54	78	90	94
June 30	182	105	117	132	149	183	207	237	254	259
July 31	429	289	326	362	376	431	471	499	518	523
August 31	658	501	525	546	604	671	711	754	776	788
September 30	769	601	613	648	708	786	846	864	885	892
October 31	798	620	632	673	737	809	877	903	912	923
November 30	804	626	634	676	741	816	882	911	921	931

Station : NORTHEAST MARGAREE
Province: NOVA SCOTIA
AES # : 8204151
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	79	27	29	31	54	69	104	127	171	195
May 31	330	159	189	222	278	338	376	438	470	504
June 30	736	590	605	625	672	714	819	849	890	920
July 31	1272	1082	1085	1134	1221	1264	1339	1414	1458	1462
August 31	1792	1536	1575	1622	1728	1773	1873	1979	1999	2009
September 30	2164	1852	1930	1998	2059	2145	2282	2336	2394	2407
October 31	2397	2053	2116	2216	2302	2400	2507	2605	2639	2664
November 30	2509	2172	2213	2294	2387	2529	2612	2713	2784	2792
Base Temperature 5°C										
April 30	15	0	0	0	5	10	21	35	55	76
May 31	126	30	40	54	98	126	158	204	221	232
June 30	382	301	302	304	321	356	448	483	493	498
July 31	763	601	620	640	693	760	841	877	909	939
August 31	1128	900	941	998	1041	1118	1227	1284	1309	1319
September 30	1351	1066	1134	1210	1241	1345	1461	1506	1525	1525
October 31	1445	1139	1202	1300	1329	1448	1555	1638	1654	1659
November 30	1475	1166	1218	1315	1346	1486	1564	1659	1713	1730
Base Temperature 10°C										
April 30	2	0	0	0	0	0	3	8	8	8
May 31	30	2	2	5	16	28	44	63	73	76
June 30	146	61	69	80	113	149	186	208	217	218
July 31	373	246	251	276	332	370	414	454	497	511
August 31	584	419	439	458	504	584	640	731	740	745
September 30	673	488	508	531	584	664	748	809	834	857
October 31	693	497	520	547	610	686	779	821	877	899
November 30	699	499	521	549	612	696	779	828	891	914

Station : PARRSBORO
Province: NOVA SCOTIA
AES # : 8204400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	107	32	36	53	84	107	133	154	174	175
May 31	384	225	264	310	328	383	430	479	492	496
June 30	798	633	663	706	735	801	845	916	927	928
July 31	1323	1164	1171	1189	1258	1335	1404	1437	1483	1486
August 31	1839	1656	1666	1682	1745	1864	1935	1993	2013	2019
September 30	2230	1999	2011	2028	2153	2243	2338	2392	2427	2467
October 31	2479	2232	2238	2268	2373	2487	2584	2653	2706	2747
November 30	2594	2290	2295	2369	2493	2625	2685	2809	2861	2881
Base Temperature 5°C										
April 30	19	0	1	1	7	20	31	36	57	59
May 31	146	43	64	86	114	149	177	208	226	228
June 30	410	301	314	337	360	410	444	501	511	519
July 31	781	629	652	693	703	782	854	869	912	921
August 31	1142	965	973	1010	1073	1145	1214	1274	1296	1308
September 30	1383	1154	1169	1216	1309	1389	1469	1525	1561	1586
October 31	1491	1241	1261	1301	1428	1497	1575	1653	1689	1721
November 30	1524	1245	1276	1312	1443	1550	1599	1712	1737	1756
Base Temperature 10°C										
April 30	1	0	0	0	0	0	2	5	8	9
May 31	29	0	3	8	13	30	44	57	62	65
June 30	147	85	92	105	120	142	172	197	206	207
July 31	363	238	263	294	321	363	406	430	448	455
August 31	569	419	422	461	536	571	625	653	698	720
September 30	672	477	489	556	631	675	737	775	807	816
October 31	698	488	503	567	650	706	749	818	840	851
November 30	703	488	505	568	651	714	756	826	847	852

Station : PLEASANT BAY GRAND ANSE
Province: NOVA SCOTIA
AES # : 8204450
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	85	34	35	39	56	82	108	128	167	183
May 31	328	214	217	239	287	318	384	424	446	451
June 30	741	624	626	647	688	737	798	859	877	881
July 31	1299	1098	1103	1142	1238	1300	1382	1427	1440	1442
August 31	1843	1588	1617	1681	1756	1837	1946	1980	2010	2028
September 30	2243	1945	1993	2053	2163	2225	2361	2424	2427	2428
October 31	2500	2212	2220	2313	2431	2496	2633	2684	2741	2748
November 30	2624	2338	2345	2388	2506	2619	2760	2825	2898	2929
Base Temperature 5°C										
April 30	18	0	1	2	6	14	24	39	60	79
May 31	125	42	46	49	88	128	153	191	209	223
June 30	388	294	296	299	331	381	451	489	498	503
July 31	791	616	618	628	723	807	860	905	923	935
August 31	1179	945	977	1012	1085	1203	1282	1306	1325	1334
September 30	1430	1152	1193	1253	1334	1426	1536	1583	1613	1631
October 31	1541	1272	1295	1339	1454	1536	1665	1723	1762	1803
November 30	1576	1307	1325	1365	1459	1597	1692	1761	1828	1863
Base Temperature 10°C										
April 30	3	0	0	0	0	1	4	11	21	24
May 31	35	3	5	7	16	37	48	58	79	91
June 30	161	91	96	104	124	155	203	227	238	243
July 31	409	262	278	296	366	412	472	494	515	537
August 31	643	462	480	505	564	663	716	762	795	814
September 30	751	548	561	597	668	755	832	884	942	945
October 31	778	574	584	624	699	774	863	904	998	1007
November 30	785	581	589	624	699	793	866	908	1019	1020

Station : ROSEWAY
Province: NOVA SCOTIA
AES # : 8204600
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	146	79	81	96	123	153	173	187	188	189
May 31	452	310	335	377	415	466	485	519	526	532
June 30	891	762	786	811	855	889	935	978	988	989
July 31	1437	1325	1331	1340	1369	1447	1481	1542	1577	1590
August 31	1976	1824	1834	1860	1903	1962	2035	2102	2181	2218
September 30	2379	2203	2210	2220	2300	2377	2456	2533	2605	2619
October 31	2646	2456	2459	2471	2535	2637	2752	2787	2903	2913
November 30	2785	2534	2539	2607	2680	2779	2885	2990	3066	3069
Base Temperature 5°C										
April 30	37	5	6	10	19	39	53	63	66	67
May 31	191	88	95	137	166	199	221	237	256	259
June 30	480	389	395	418	447	473	526	551	561	566
July 31	871	769	775	780	821	866	924	965	1000	1004
August 31	1255	1109	1125	1140	1191	1233	1317	1368	1448	1477
September 30	1508	1338	1350	1365	1441	1503	1589	1656	1714	1727
October 31	1630	1456	1459	1477	1531	1621	1722	1775	1865	1869
November 30	1671	1472	1482	1500	1568	1673	1759	1843	1916	1921
Base Temperature 10°C										
April 30	4	0	0	0	0	3	7	10	11	12
May 31	47	2	6	21	32	46	60	79	84	90
June 30	189	136	138	146	166	181	211	238	242	243
July 31	425	330	346	362	384	423	468	503	516	523
August 31	654	544	547	552	593	639	714	745	810	841
September 30	766	630	632	664	700	751	829	884	937	953
October 31	796	653	654	684	718	794	874	925	988	994
November 30	803	655	656	691	723	798	876	938	995	996

Station : SABLE ISLAND
Province: NOVA SCOTIA
AES # : 8204700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	100	52	54	62	73	101	117	144	170	176
May 31	312	203	223	244	263	297	357	427	442	444
June 30	640	485	506	551	577	620	698	788	805	809
July 31	1118	939	957	978	1042	1099	1198	1288	1316	1318
August 31	1661	1465	1479	1508	1552	1652	1772	1850	1893	1941
September 30	2128	1898	1927	1970	2007	2123	2231	2332	2365	2393
October 31	2481	2228	2265	2301	2336	2474	2602	2681	2715	2720
November 30	2696	2387	2433	2507	2558	2691	2845	2909	2920	2933
Base Temperature 5°C										
April 30	9	0	0	0	2	5	11	25	40	43
May 31	73	16	23	30	47	58	94	156	159	160
June 30	251	148	153	172	205	235	292	364	373	376
July 31	575	428	438	453	515	561	646	713	734	741
August 31	962	805	809	819	880	942	1067	1106	1155	1209
September 30	1280	1101	1110	1125	1180	1271	1377	1447	1485	1512
October 31	1478	1277	1288	1300	1358	1465	1588	1652	1674	1676
November 30	1557	1312	1334	1368	1437	1560	1703	1738	1744	1746
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	3	0	0	0	0	1	4	13	15	16
June 30	44	11	12	16	23	38	67	77	87	90
July 31	213	125	134	148	177	204	264	271	289	310
August 31	445	319	331	348	389	433	506	529	583	623
September 30	613	457	476	498	543	616	676	706	758	778
October 31	676	523	526	553	597	672	763	790	810	815
November 30	686	523	533	554	609	690	779	800	829	835

Station : SHEARWATER A
Province: NOVA SCOTIA
AES # : 8205090
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	117	61	64	79	96	121	139	153	164	168
May 31	392	273	297	330	354	399	437	445	473	485
June 30	807	692	707	734	765	802	853	908	934	942
July 31	1346	1238	1240	1250	1275	1344	1410	1462	1474	1475
August 31	1897	1764	1767	1775	1818	1899	1951	2042	2051	2060
September 30	2332	2172	2178	2186	2250	2337	2403	2477	2529	2536
October 31	2623	2437	2452	2469	2530	2641	2705	2781	2825	2848
November 30	2766	2521	2543	2582	2659	2782	2870	2904	2982	3002
Base Temperature 5°C										
April 30	21	4	4	6	9	22	33	38	43	49
May 31	145	68	71	87	126	147	173	182	203	222
June 30	410	327	333	356	376	402	438	489	521	529
July 31	794	680	687	702	753	802	834	894	903	906
August 31	1190	1051	1059	1071	1153	1194	1238	1314	1332	1338
September 30	1475	1319	1322	1329	1409	1488	1530	1603	1653	1656
October 31	1617	1447	1450	1466	1547	1638	1683	1737	1798	1817
November 30	1661	1458	1462	1493	1571	1674	1752	1776	1847	1867
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	5	8	10
May 31	26	0	1	11	17	24	35	50	53	53
June 30	145	106	107	110	124	140	156	191	213	221
July 31	373	291	292	314	346	380	398	432	445	449
August 31	614	490	499	534	588	612	639	705	719	734
September 30	753	594	614	649	712	753	804	857	879	892
October 31	790	621	642	672	734	786	849	890	920	955
November 30	796	621	644	672	744	802	859	891	924	960

Station : SPRINGFIELD
Province: NOVA SCOTIA
AES # : 8205200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	122	49	53	70	89	127	147	174	179	181
May 31	431	267	288	347	385	430	477	514	526	528
June 30	889	747	755	811	849	875	922	1003	1016	1033
July 31	1466	1299	1320	1346	1413	1465	1523	1590	1602	1607
August 31	2021	1797	1837	1902	1941	2015	2101	2166	2195	2203
September 30	2435	2161	2204	2265	2366	2444	2494	2607	2623	2634
October 31	2693	2436	2464	2513	2600	2708	2794	2859	2899	2917
November 30	2805	2557	2567	2578	2736	2821	2885	2996	3036	3043
Base Temperature 5°C										
April 30	31	3	4	6	10	33	46	57	67	68
May 31	189	69	77	123	171	191	222	256	263	264
June 30	497	390	395	430	461	486	526	592	610	619
July 31	919	772	776	797	879	912	983	1022	1035	1042
August 31	1318	1115	1138	1187	1260	1317	1385	1462	1477	1490
September 30	1583	1329	1355	1404	1516	1587	1646	1743	1750	1756
October 31	1699	1463	1470	1505	1625	1706	1775	1852	1882	1896
November 30	1731	1494	1497	1513	1666	1742	1810	1899	1915	1927
Base Temperature 10°C										
April 30	5	0	0	0	0	3	10	12	16	16
May 31	53	1	5	20	36	54	71	87	95	97
June 30	214	143	155	172	182	213	240	273	291	296
July 31	480	359	376	400	445	485	523	557	570	572
August 31	726	581	583	592	665	726	790	833	868	878
September 30	847	657	660	685	802	849	912	970	981	991
October 31	877	673	677	712	817	879	953	996	1023	1033
November 30	882	673	677	716	822	879	957	997	1025	1033

Station : ST MARGARET'S BAY
Province: NOVA SCOTIA
AES # : 8204800
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	117	59	61	79	96	116	137	160	169	177
May 31	391	276	285	331	360	390	436	453	469	470
June 30	799	673	685	735	760	792	838	895	912	917
July 31	1325	1187	1212	1236	1255	1327	1376	1433	1444	1451
August 31	1850	1660	1692	1726	1775	1855	1918	1979	2000	2001
September 30	2251	2050	2068	2089	2168	2273	2325	2384	2423	2432
October 31	2506	2297	2304	2368	2392	2515	2598	2648	2680	2699
November 30	2634	2366	2415	2463	2528	2668	2721	2784	2822	2833
Base Temperature 5°C										
April 30	20	4	4	5	8	17	32	41	46	53
May 31	143	64	65	79	127	142	174	188	198	207
June 30	401	312	315	343	375	397	428	484	492	495
July 31	772	654	668	688	720	778	815	857	870	871
August 31	1142	972	1005	1037	1091	1147	1202	1248	1268	1272
September 30	1394	1212	1230	1247	1324	1415	1454	1509	1538	1550
October 31	1504	1320	1324	1362	1409	1513	1594	1618	1654	1674
November 30	1539	1327	1350	1394	1440	1557	1624	1667	1687	1701
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	4	6	7
May 31	24	0	1	7	14	24	35	40	47	50
June 30	136	89	96	101	115	132	152	185	192	195
July 31	352	285	288	292	315	356	386	409	415	418
August 31	567	455	456	482	525	581	608	636	667	677
September 30	676	527	545	565	613	696	721	775	783	788
October 31	700	548	560	583	625	720	756	796	821	834
November 30	706	548	560	589	638	721	758	807	823	836

Station : SYDNEY A
Province: NOVA SCOTIA
AES # : 8205700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	71	23	27	33	45	72	87	107	138	143
May 31	302	177	182	216	267	295	343	396	408	418
June 30	695	576	586	609	641	691	743	802	822	837
July 31	1241	1046	1070	1125	1180	1247	1307	1348	1377	1400
August 31	1785	1602	1609	1650	1696	1788	1866	1888	1964	1989
September 30	2186	1994	1995	2007	2107	2191	2272	2327	2375	2432
October 31	2442	2188	2218	2258	2369	2437	2528	2628	2669	2671
November 30	2562	2287	2305	2329	2469	2567	2662	2775	2814	2848
Base Temperature 5°C										
April 30	12	0	1	1	5	10	15	30	45	49
May 31	106	31	33	45	83	106	129	166	181	186
June 30	349	254	265	277	303	347	394	420	453	473
July 31	741	572	574	645	683	761	791	837	866	881
August 31	1129	945	960	983	1035	1147	1193	1269	1294	1315
September 30	1380	1174	1180	1220	1303	1393	1437	1540	1588	1608
October 31	1491	1272	1278	1295	1430	1501	1553	1682	1727	1732
November 30	1523	1291	1294	1313	1450	1533	1590	1711	1782	1791
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	8	9	10
May 31	23	1	2	3	14	22	32	39	49	54
June 30	131	56	65	77	103	125	156	186	194	195
July 31	368	240	240	283	329	372	417	447	480	484
August 31	602	454	458	487	557	605	642	721	760	800
September 30	711	526	533	591	659	715	759	847	906	948
October 31	737	547	550	606	692	742	782	877	955	991
November 30	741	547	552	606	692	746	785	878	968	1003

Station : TRURO
Province: NOVA SCOTIA
AES # : 8205990
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	106	37	39	51	81	108	132	148	180	183
May 31	386	234	268	306	344	375	448	491	500	504
June 30	813	665	684	705	754	802	868	936	960	985
July 31	1368	1194	1216	1242	1292	1344	1450	1495	1526	1558
August 31	1903	1717	1745	1771	1815	1880	2011	2046	2098	2139
September 30	2291	2091	2098	2118	2188	2287	2393	2445	2511	2579
October 31	2534	2323	2329	2345	2420	2542	2652	2706	2754	2803
November 30	2650	2384	2394	2434	2531	2680	2746	2833	2912	2931
Base Temperature 5°C										
April 30	22	0	1	2	8	22	31	41	66	69
May 31	153	50	68	85	123	145	184	227	248	255
June 30	430	331	340	347	374	434	475	531	563	586
July 31	830	655	686	727	759	820	883	946	976	1004
August 31	1210	1024	1049	1083	1126	1209	1284	1340	1395	1430
September 30	1448	1247	1251	1305	1359	1473	1543	1579	1643	1720
October 31	1553	1341	1347	1385	1453	1575	1643	1691	1750	1800
November 30	1590	1359	1365	1396	1487	1624	1694	1746	1803	1839
Base Temperature 10°C										
April 30	2	0	0	0	0	0	3	9	15	21
May 31	37	1	5	8	22	35	50	77	91	102
June 30	170	93	103	113	135	169	194	234	259	283
July 31	415	265	304	340	379	416	452	489	530	547
August 31	640	478	496	521	581	638	704	752	802	817
September 30	742	566	568	646	667	757	813	850	910	960
October 31	770	580	583	668	696	784	842	876	932	972
November 30	777	586	586	668	701	798	848	893	942	978

Station : UPPER STEWIACKE
Province: NOVA SCOTIA
AES # : 8206200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	113	43	46	63	83	114	144	162	178	188
May 31	402	246	261	321	355	396	452	503	514	517
June 30	839	701	704	757	779	833	879	980	993	995
July 31	1403	1191	1229	1275	1357	1396	1483	1540	1567	1597
August 31	1949	1661	1709	1815	1878	1943	2050	2114	2145	2153
September 30	2351	2010	2091	2170	2268	2351	2441	2530	2543	2543
October 31	2605	2256	2340	2430	2528	2620	2716	2786	2812	2816
November 30	2727	2379	2440	2536	2638	2741	2846	2888	2962	2983
Base Temperature 5°C										
April 30	25	1	1	2	11	24	39	45	65	68
May 31	165	59	63	91	137	162	197	243	252	254
June 30	452	345	357	370	403	444	487	571	578	584
July 31	861	680	706	737	815	860	915	968	997	1031
August 31	1252	995	1035	1115	1201	1256	1327	1388	1428	1432
September 30	1504	1196	1261	1332	1430	1510	1584	1658	1666	1672
October 31	1619	1303	1375	1445	1535	1627	1721	1765	1794	1802
November 30	1658	1330	1390	1503	1560	1661	1758	1810	1839	1861
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	10	13	17
May 31	43	2	4	10	25	45	60	78	94	97
June 30	185	101	115	131	155	176	213	260	270	275
July 31	439	322	324	344	380	441	486	510	543	567
August 31	675	487	504	553	625	682	730	774	822	833
September 30	790	576	603	637	729	805	860	895	924	939
October 31	821	597	626	660	757	842	912	937	957	959
November 30	830	597	626	679	771	843	914	961	969	970

Station : YARMOUTH A
Province: NOVA SCOTIA
AES # : 8206500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	137	83	85	94	120	139	157	180	181	182
May 31	422	297	313	342	382	426	465	489	505	517
June 30	823	695	706	732	786	832	862	895	931	931
July 31	1323	1179	1192	1208	1258	1330	1384	1401	1451	1466
August 31	1830	1660	1676	1708	1762	1838	1897	1955	1972	1977
September 30	2239	2026	2053	2084	2166	2246	2327	2362	2388	2393
October 31	2526	2280	2325	2370	2438	2543	2612	2659	2684	2692
November 30	2684	2370	2437	2545	2563	2700	2775	2826	2877	2901
Base Temperature 5°C										
April 30	26	3	3	4	12	24	38	50	53	54
May 31	158	64	67	102	137	164	183	214	231	242
June 30	409	313	319	328	375	413	445	471	506	507
July 31	754	635	640	666	690	760	802	827	871	885
August 31	1106	961	967	990	1040	1112	1164	1222	1238	1247
September 30	1365	1177	1196	1214	1298	1379	1444	1479	1503	1509
October 31	1503	1286	1318	1350	1424	1521	1585	1623	1647	1654
November 30	1552	1296	1333	1420	1465	1583	1626	1675	1711	1731
Base Temperature 10°C										
April 30	1	0	0	0	0	0	2	5	6	7
May 31	25	1	3	5	15	21	30	51	68	75
June 30	127	88	94	98	101	123	144	165	194	198
July 31	317	242	243	262	284	317	344	371	404	414
August 31	515	402	408	439	480	515	546	604	620	638
September 30	628	481	488	520	582	635	682	722	732	740
October 31	661	502	508	540	609	683	725	746	768	782
November 30	668	502	508	558	612	689	730	755	776	796

Station : CHARLOTTETOWN A
Province: PRINCE EDWARD ISLAND
AES # : 8300300
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	82	14	18	32	57	79	106	133	155	164
May 31	350	185	226	266	312	344	398	452	461	464
June 30	782	644	669	696	730	775	816	907	919	923
July 31	1350	1181	1195	1236	1310	1336	1404	1467	1491	1511
August 31	1902	1717	1720	1787	1826	1896	1976	2039	2050	2055
September 30	2306	2104	2105	2157	2252	2299	2390	2443	2478	2481
October 31	2556	2357	2365	2380	2493	2560	2639	2696	2731	2754
November 30	2660	2451	2452	2458	2566	2674	2742	2841	2871	2875
Base Temperature 5°C										
April 30	16	0	0	1	3	12	23	42	61	66
May 31	141	37	52	72	117	134	172	213	229	235
June 30	423	333	340	346	377	422	455	515	542	555
July 31	836	660	686	737	794	836	900	923	963	988
August 31	1233	1042	1056	1090	1176	1236	1307	1364	1368	1369
September 30	1487	1281	1291	1336	1403	1480	1574	1615	1630	1646
October 31	1596	1380	1405	1433	1540	1602	1683	1739	1756	1768
November 30	1624	1402	1416	1459	1558	1643	1711	1776	1798	1811
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	10	13	14
May 31	38	0	4	10	21	39	49	75	83	87
June 30	176	85	111	132	146	173	202	235	252	258
July 31	434	289	323	355	391	437	480	518	532	536
August 31	676	515	523	557	631	682	736	776	789	796
September 30	788	612	631	657	733	798	855	903	909	912
October 31	814	625	644	687	755	823	880	926	949	959
November 30	818	628	645	689	758	829	880	936	962	967

Station : CHARLOTTETOWN CDA
Province: PRINCE EDWARD ISLAND
AES # : 8300400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	92	20	24	35	70	92	118	147	166	172
May 31	373	204	252	299	330	364	436	470	476	478
June 30	817	670	710	748	760	799	855	948	964	965
July 31	1398	1211	1256	1297	1341	1380	1460	1533	1555	1568
August 31	1966	1759	1799	1839	1891	1942	2054	2088	2157	2193
September 30	2387	2154	2193	2230	2304	2366	2478	2544	2602	2650
October 31	2653	2418	2450	2498	2543	2654	2735	2811	2861	2890
November 30	2767	2527	2533	2595	2663	2784	2853	2941	2983	3011
Base Temperature 5°C										
April 30	19	0	1	2	8	15	25	43	65	69
May 31	153	45	62	89	127	145	186	229	235	239
June 30	446	361	364	370	391	443	473	558	572	574
July 31	873	680	730	772	824	872	932	976	1016	1023
August 31	1285	1074	1117	1154	1218	1283	1354	1398	1450	1493
September 30	1556	1319	1361	1400	1474	1560	1639	1682	1745	1800
October 31	1678	1432	1467	1523	1600	1679	1761	1815	1854	1890
November 30	1709	1457	1480	1534	1636	1723	1813	1855	1889	1921
Base Temperature 10°C										
April 30	2	0	0	0	0	1	2	9	14	15
May 31	41	0	7	13	23	42	54	78	87	87
June 30	189	103	122	139	166	183	214	257	274	282
July 31	461	301	341	389	423	459	497	553	563	575
August 31	718	540	564	601	672	723	773	819	851	890
September 30	845	641	672	731	780	844	922	952	1006	1048
October 31	877	664	692	756	808	878	948	999	1026	1060
November 30	882	667	693	757	813	887	951	1010	1037	1062

Station : SUMMERSIDE A
Province: PRINCE EDWARD ISLAND
AES # : 8300700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	86	18	25	35	66	82	112	135	146	158
May 31	364	200	240	285	328	359	423	448	468	469
June 30	809	664	704	741	764	795	836	928	941	941
July 31	1391	1225	1253	1294	1338	1381	1441	1509	1526	1539
August 31	1957	1774	1795	1854	1898	1952	2016	2082	2105	2111
September 30	2377	2189	2199	2246	2311	2371	2454	2523	2539	2553
October 31	2638	2456	2462	2481	2559	2643	2716	2774	2792	2802
November 30	2743	2532	2541	2551	2628	2767	2823	2895	2922	2928
Base Temperature 5°C										
April 30	16	0	0	2	5	14	23	41	50	60
May 31	148	45	58	91	123	147	175	211	229	246
June 30	443	359	366	381	404	439	459	543	557	567
July 31	870	694	726	787	835	862	911	967	989	1010
August 31	1281	1088	1115	1183	1230	1282	1345	1397	1407	1417
September 30	1551	1353	1368	1423	1500	1548	1638	1665	1690	1710
October 31	1668	1470	1496	1519	1593	1682	1731	1792	1802	1811
November 30	1695	1492	1509	1543	1613	1723	1764	1826	1842	1850
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	3	11	14
May 31	38	1	5	10	21	39	52	65	81	90
June 30	187	113	131	150	158	181	211	253	260	262
July 31	459	309	347	390	432	460	490	540	555	559
August 31	716	548	580	611	667	720	763	814	824	831
September 30	841	667	690	718	795	839	910	936	952	961
October 31	869	688	708	748	817	871	946	966	983	997
November 30	873	691	710	752	817	876	946	973	993	1003

Station : COLINET
Province: NEWFOUNDLAND
AES # : 8401200
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	78	32	35	40	55	74	93	123	162	179
May 31	268	176	176	199	228	250	295	378	413	415
June 30	565	445	463	494	519	545	591	697	741	746
July 31	1005	826	860	911	952	991	1035	1138	1210	1260
August 31	1474	1284	1305	1337	1404	1449	1555	1634	1697	1713
September 30	1828	1652	1664	1685	1743	1801	1929	2002	2056	2070
October 31	2057	1876	1895	1929	1965	2010	2166	2248	2287	2318
November 30	2176	1966	1984	2010	2068	2130	2279	2400	2414	2423
Base Temperature 5°C										
April 30	9	0	0	0	2	5	11	20	51	70
May 31	63	15	17	26	41	47	86	127	153	154
June 30	211	138	144	154	172	200	229	298	332	336
July 31	497	364	372	414	458	490	534	587	646	694
August 31	811	646	658	674	752	795	888	926	978	992
September 30	1015	854	858	887	944	997	1103	1157	1187	1200
October 31	1104	951	952	975	1022	1074	1202	1267	1288	1306
November 30	1132	955	969	1002	1053	1092	1231	1313	1332	1340
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	1	5	9
May 31	5	0	0	0	0	3	6	13	25	29
June 30	35	10	12	13	19	31	51	62	66	72
July 31	166	90	98	118	140	172	190	199	229	266
August 31	326	207	217	254	277	334	364	410	430	443
September 30	397	272	279	306	344	397	446	479	518	542
October 31	411	283	293	325	353	410	467	501	542	571
November 30	413	283	296	325	353	413	469	503	549	580

Station : CORNER BROOK
Province: NEWFOUNDLAND
AES # : 8401300
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	86	28	31	41	67	78	114	130	167	208
May 31	309	182	184	202	247	308	362	421	455	463
June 30	687	497	529	580	617	687	757	787	893	903
July 31	1221	999	1022	1047	1134	1249	1303	1324	1447	1462
August 31	1733	1494	1512	1546	1636	1751	1843	1890	1953	1969
September 30	2100	1857	1861	1893	1986	2100	2225	2288	2342	2347
October 31	2322	2019	2063	2101	2181	2313	2457	2559	2585	2600
November 30	2423	2056	2123	2198	2273	2420	2566	2688	2710	2730
Base Temperature 5°C										
April 30	15	0	0	1	3	10	21	33	68	104
May 31	100	19	20	43	64	86	139	179	206	207
June 30	327	180	219	253	273	308	377	409	493	511
July 31	706	527	538	565	636	736	767	804	892	915
August 31	1063	867	882	909	952	1101	1152	1222	1251	1267
September 30	1281	1080	1087	1094	1174	1287	1376	1476	1495	1505
October 31	1364	1149	1164	1179	1241	1373	1470	1573	1611	1627
November 30	1388	1169	1173	1191	1251	1384	1507	1601	1654	1695
Base Temperature 10°C										
April 30	2	0	0	0	0	0	0	5	19	32
May 31	19	0	0	1	5	12	32	49	58	65
June 30	113	48	50	59	87	109	133	163	193	221
July 31	337	211	225	243	276	355	379	422	452	469
August 31	539	394	397	406	458	560	600	665	703	744
September 30	621	456	462	498	532	627	700	744	805	864
October 31	635	467	468	506	545	644	715	756	825	897
November 30	638	467	468	506	545	645	733	757	839	922

Station : DANIELS HARBOUR
Province: NEWFOUNDLAND
AES # : 8401400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	45	7	8	12	24	34	56	84	130	164
May 31	199	77	80	106	160	182	241	317	346	356
June 30	488	309	340	391	435	470	531	628	664	679
July 31	932	687	747	816	866	932	983	1064	1126	1153
August 31	1379	1107	1176	1241	1297	1386	1462	1531	1556	1574
September 30	1702	1433	1500	1566	1602	1686	1811	1849	1899	1929
October 31	1882	1578	1648	1747	1777	1892	1999	2055	2096	2137
November 30	1956	1623	1683	1787	1848	1966	2063	2161	2188	2197
Base Temperature 5°C										
April 30	7	0	0	0	0	2	10	20	43	70
May 31	46	2	4	11	22	30	73	112	121	124
June 30	188	101	111	126	154	174	229	260	303	310
July 31	477	324	355	391	425	489	522	554	612	616
August 31	769	588	600	643	710	776	842	881	895	909
September 30	943	765	785	810	879	938	1021	1069	1096	1108
October 31	998	798	824	874	925	1005	1061	1154	1176	1189
November 30	1013	802	832	878	935	1016	1073	1174	1202	1228
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	1	9	15
May 31	5	0	0	0	0	1	10	21	25	26
June 30	38	6	12	16	23	34	50	66	89	93
July 31	173	97	103	115	142	172	202	225	228	230
August 31	312	190	200	215	278	316	352	376	415	457
September 30	361	248	251	256	322	375	411	430	472	515
October 31	367	259	261	263	326	378	420	441	486	531
November 30	369	259	261	263	330	378	420	443	490	538

Station : DEER LAKE
Province: NEWFOUNDLAND
AES # : 8401500
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	60	14	17	26	40	54	79	110	137	167
May 31	268	151	157	181	220	265	303	373	416	442
June 30	626	452	488	545	575	623	671	722	818	874
July 31	1139	943	963	1001	1069	1149	1200	1224	1343	1406
August 31	1627	1428	1441	1468	1523	1638	1714	1752	1829	1893
September 30	1968	1756	1762	1806	1869	1955	2058	2130	2201	2249
October 31	2158	1966	1968	1988	2032	2133	2258	2361	2421	2453
November 30	2231	2016	2040	2068	2091	2206	2358	2479	2531	2543
Base Temperature 5°C										
April 30	9	0	0	0	1	4	10	26	49	72
May 31	83	10	13	36	60	73	111	150	182	208
June 30	293	167	193	221	246	289	332	355	433	491
July 31	650	503	512	538	583	659	705	745	803	868
August 31	983	790	814	838	892	1001	1064	1081	1181	1199
September 30	1175	993	1001	1022	1063	1163	1266	1326	1404	1406
October 31	1238	1069	1072	1079	1116	1210	1331	1423	1486	1494
November 30	1253	1086	1088	1092	1128	1252	1348	1445	1518	1542
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	8	11	12
May 31	16	0	0	1	3	10	22	46	60	72
June 30	96	34	36	49	76	99	112	135	170	210
July 31	300	199	207	218	249	306	338	396	416	432
August 31	479	309	337	364	412	483	539	573	642	683
September 30	545	413	414	418	458	549	607	656	721	773
October 31	554	416	421	430	466	556	611	677	740	796
November 30	555	416	422	430	467	556	611	678	748	810

Station : GANDER INT'L A
Province: NEWFOUNDLAND
AES # : 8401700
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	52	9	15	24	28	44	62	112	139	166
May 31	250	121	139	173	206	229	287	374	424	428
June 30	595	452	456	483	528	582	644	752	761	768
July 31	1103	901	905	944	1036	1103	1176	1254	1277	1281
August 31	1581	1272	1312	1412	1501	1580	1680	1761	1774	1780
September 30	1918	1628	1662	1715	1839	1893	2043	2113	2137	2141
October 31	2102	1836	1837	1893	2007	2075	2249	2327	2369	2371
November 30	2178	1867	1878	1958	2062	2157	2320	2392	2507	2514
Base Temperature 5°C										
April 30	8	0	0	0	1	2	9	21	53	77
May 31	84	9	18	37	48	67	118	154	191	192
June 30	282	145	173	205	217	280	322	380	407	438
July 31	635	446	462	503	577	647	689	744	777	808
August 31	959	655	729	791	900	975	1030	1119	1151	1163
September 30	1146	861	909	952	1093	1130	1229	1351	1372	1392
October 31	1208	923	963	998	1144	1195	1290	1413	1484	1488
November 30	1226	923	966	1021	1158	1221	1304	1423	1525	1538
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	1	10	13
May 31	19	0	0	1	5	14	28	53	70	72
June 30	99	23	24	49	73	100	128	143	176	192
July 31	301	172	174	199	260	304	351	375	408	408
August 31	472	250	294	343	432	476	527	586	635	686
September 30	535	324	351	382	497	536	584	672	728	771
October 31	546	336	359	383	509	547	591	681	760	798
November 30	547	336	359	384	513	550	592	681	767	810

Station : GRAND FALLS
Province: NEWFOUNDLAND
AES # : 8402050
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	75	15	24	36	49	65	88	130	168	208
May 31	306	175	191	215	262	294	331	451	465	477
June 30	688	563	563	577	630	666	732	859	877	878
July 31	1230	1037	1061	1104	1142	1241	1292	1388	1444	1447
August 31	1738	1506	1515	1577	1639	1757	1814	1921	1959	1972
September 30	2093	1885	1896	1906	1970	2089	2218	2306	2323	2338
October 31	2292	2052	2075	2107	2169	2282	2417	2526	2555	2567
November 30	2374	2109	2125	2163	2274	2339	2473	2616	2663	2669
Base Temperature 5°C										
April 30	13	0	0	0	3	6	17	32	67	103
May 31	106	15	24	52	75	94	139	204	216	227
June 30	339	223	232	243	284	333	382	459	493	513
July 31	727	575	576	583	646	734	793	835	904	927
August 31	1080	824	869	922	988	1098	1156	1236	1279	1297
September 30	1285	1074	1088	1107	1175	1287	1398	1451	1517	1521
October 31	1353	1146	1153	1166	1238	1347	1456	1552	1610	1619
November 30	1370	1160	1163	1166	1260	1364	1468	1574	1645	1666
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	2	16	30
May 31	24	0	1	2	7	18	36	58	78	81
June 30	126	36	48	64	98	123	154	174	212	255
July 31	359	235	237	246	298	365	406	455	486	514
August 31	558	338	367	441	471	583	624	649	743	761
September 30	632	444	445	483	550	644	704	745	834	871
October 31	643	455	457	484	554	651	712	775	856	898
November 30	645	455	457	484	558	663	712	777	863	909

Station : ST JOHN'S A
Province: NEWFOUNDLAND
AES # : 8403506
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	55	10	10	18	36	49	67	106	116	130
May 31	230	146	151	168	183	209	253	355	373	383
June 30	548	431	434	438	471	549	599	680	698	713
July 31	1028	835	868	881	959	1035	1104	1153	1161	1208
August 31	1499	1249	1290	1322	1415	1507	1619	1661	1673	1691
September 30	1845	1608	1620	1668	1742	1848	1946	2037	2040	2049
October 31	2058	1831	1850	1864	1957	2054	2197	2239	2240	2315
November 30	2165	1887	1941	1971	2028	2136	2299	2365	2411	2483
Base Temperature 5°C										
April 30	7	0	0	0	1	3	11	22	28	43
May 31	66	10	14	27	36	61	82	131	147	151
June 30	239	128	143	144	177	238	296	327	330	357
July 31	564	379	432	442	511	583	639	655	665	685
August 31	880	648	679	735	798	887	965	1006	1047	1063
September 30	1076	858	858	909	991	1089	1172	1234	1263	1300
October 31	1155	933	942	977	1062	1162	1253	1310	1361	1420
November 30	1181	935	976	993	1094	1192	1284	1328	1422	1481
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	4	4	6
May 31	11	0	0	0	2	6	17	30	33	52
June 30	76	10	19	25	48	81	96	118	120	171
July 31	251	108	150	183	205	262	297	322	331	346
August 31	414	231	254	298	355	422	460	524	551	600
September 30	480	303	304	347	426	489	516	591	633	689
October 31	494	314	316	358	435	500	541	611	636	724
November 30	497	316	320	358	446	505	541	617	641	735

Station : STEPHENVILLE A
Province: NEWFOUNDLAND
AES # : 8403800
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	74	17	23	28	44	65	99	125	174	222
May 31	289	170	177	192	223	282	336	409	445	476
June 30	640	507	523	545	569	627	713	747	839	857
July 31	1137	980	987	1003	1053	1129	1210	1258	1353	1383
August 31	1634	1437	1454	1478	1533	1639	1716	1806	1842	1851
September 30	1992	1764	1792	1828	1876	1970	2081	2187	2226	2254
October 31	2206	1964	1971	2034	2096	2191	2296	2416	2488	2495
November 30	2304	2010	2030	2085	2192	2311	2416	2526	2608	2631
Base Temperature 5°C										
April 30	13	0	0	0	1	4	21	34	69	106
May 31	90	15	24	37	51	78	123	171	198	206
June 30	292	199	203	215	246	282	331	391	442	447
July 31	633	500	501	518	573	636	683	736	801	808
August 31	975	789	790	834	915	993	1039	1114	1132	1146
September 30	1184	967	997	1029	1103	1173	1274	1349	1375	1376
October 31	1261	1033	1056	1113	1158	1255	1342	1438	1492	1511
November 30	1284	1034	1060	1137	1183	1290	1363	1479	1519	1543
Base Temperature 10°C										
April 30	2	0	0	0	0	0	0	6	21	37
May 31	15	0	0	0	4	9	25	43	47	48
June 30	85	25	31	52	66	83	106	133	145	159
July 31	271	175	180	203	232	273	321	343	351	354
August 31	459	293	306	376	412	469	509	560	581	601
September 30	531	360	373	424	481	534	589	629	700	701
October 31	543	368	388	435	484	546	598	640	730	737
November 30	546	368	388	438	487	551	601	641	739	740

Station : CARTWRIGHT
Province: LABRADOR
AES # : 8501100
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	21	0	0	1	7	17	28	47	75	101
May 31	119	23	32	41	71	111	152	195	263	267
June 30	360	250	253	262	284	343	433	455	546	590
July 31	750	606	610	628	666	735	817	887	946	947
August 31	1118	947	959	985	1029	1097	1209	1293	1313	1325
September 30	1360	1165	1178	1208	1275	1349	1443	1548	1576	1589
October 31	1459	1239	1252	1285	1365	1444	1540	1654	1698	1698
November 30	1485	1244	1254	1297	1393	1465	1563	1680	1737	1759
Base Temperature 5°C										
April 30	2	0	0	0	0	0	1	5	21	25
May 31	25	0	0	1	5	15	38	54	107	110
June 30	132	75	77	78	93	121	154	204	243	286
July 31	368	266	275	299	311	359	407	449	502	515
August 31	581	418	465	504	518	564	641	698	743	747
September 30	681	534	540	583	612	666	743	818	863	874
October 31	697	559	561	595	621	688	749	842	883	904
November 30	700	559	561	595	630	689	761	844	889	918
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	3	0	0	0	0	0	2	7	32	33
June 30	37	9	10	11	16	36	48	71	89	99
July 31	140	75	76	82	117	139	157	199	225	235
August 31	218	104	131	155	183	210	253	305	329	346
September 30	238	130	150	184	200	226	280	334	360	374
October 31	239	135	153	184	200	227	282	334	362	375
November 30	239	135	153	184	200	228	282	334	363	376

Station : GOOSE A
Province: LABRADOR
AES # : 8501900
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	33	1	1	1	12	32	48	61	88	108
May 31	189	71	86	106	131	190	232	264	323	359
June 30	516	349	364	420	454	500	589	636	705	785
July 31	1002	819	847	907	926	979	1072	1198	1239	1268
August 31	1442	1241	1243	1302	1355	1424	1507	1658	1695	1699
September 30	1713	1473	1500	1540	1622	1691	1784	1947	1975	2006
October 31	1812	1533	1572	1622	1712	1824	1884	2041	2094	2117
November 30	1834	1534	1577	1654	1738	1832	1903	2057	2127	2131
Base Temperature 5°C										
April 30	5	0	0	0	0	1	6	14	28	29
May 31	51	4	9	15	25	42	68	98	141	166
June 30	231	131	152	172	183	215	265	323	380	443
July 31	562	446	457	474	511	538	603	719	754	771
August 31	847	666	692	724	783	829	874	1039	1053	1055
September 30	976	839	843	854	890	970	1018	1174	1216	1220
October 31	996	853	859	865	901	1000	1038	1182	1246	1250
November 30	1000	853	859	866	905	1000	1038	1182	1253	1255
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	2	5	8
May 31	9	0	0	0	0	5	14	23	46	63
June 30	77	16	25	38	54	70	93	125	172	202
July 31	257	164	172	179	220	254	265	378	383	385
August 31	392	228	253	293	346	376	445	525	570	589
September 30	427	308	314	344	371	403	472	558	635	638
October 31	429	316	318	344	371	405	475	558	640	640
November 30	429	316	318	344	371	405	475	558	640	640

Appendix 1b. Growing degree–days accumulated from April 1 to selected ending dates for stations with less than 30 years record for the period 1956–1985.

Station : BON ACCORD
Province : NEW BRUNSWICK
AES # : 8100566
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1967–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	80	12	14	36	55	76	109	143	159	160
May 31	348	177	182	237	322	350	383	437	452	453
June 30	781	655	657	686	743	785	827	866	879	880
July 31	1316	1183	1187	1218	1261	1312	1371	1406	1428	1430
August 31	1814	1695	1696	1708	1738	1816	1885	1917	1922	1922
September 30	2141	1961	1965	2014	2072	2149	2215	2234	2268	2272
October 31	2302	2083	2087	2130	2210	2322	2384	2417	2422	2422
November 30	2340	2120	2125	2170	2271	2368	2416	2449	2478	2481
Base Temperature 5°C										
April 30	18	0	0	0	6	18	25	48	56	56
May 31	144	20	23	60	123	148	181	193	216	219
June 30	427	348	348	357	395	421	461	493	516	518
July 31	808	704	706	725	766	819	844	895	911	913
August 31	1150	1034	1037	1062	1089	1158	1196	1242	1247	1247
September 30	1329	1180	1182	1208	1286	1333	1391	1419	1428	1429
October 31	1380	1212	1214	1235	1332	1401	1436	1476	1491	1492
November 30	1387	1219	1221	1236	1344	1406	1446	1479	1496	1498
Base Temperature 10°C										
April 30	2	0	0	0	0	0	3	10	15	15
May 31	40	0	1	6	20	41	60	81	83	83
June 30	179	120	122	139	154	179	208	233	240	241
July 31	405	312	315	340	355	408	447	469	493	496
August 31	593	467	467	478	553	589	637	683	694	695
September 30	655	498	503	554	622	653	706	748	760	761
October 31	663	501	506	560	623	656	713	754	764	765
November 30	663	501	506	560	626	656	713	754	767	768

Station : BUCTOUCHE
Province : NEW BRUNSWICK
AES # : 8100590
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	93	30	32	45	62	96	121	140	148	149
May 31	379	205	218	303	348	386	416	463	480	482
June 30	844	688	702	785	792	830	884	957	986	990
July 31	1445	1316	1318	1339	1394	1434	1492	1559	1613	1621
August 31	2013	1845	1854	1906	1959	2014	2057	2157	2188	2191
September 30	2421	2176	2199	2326	2350	2421	2483	2572	2600	2601
October 31	2667	2381	2399	2510	2593	2680	2754	2809	2857	2864
November 30	2757	2422	2444	2575	2700	2781	2849	2866	2993	3015
Base Temperature 5°C										
April 30	22	2	2	3	8	20	39	43	45	45
May 31	162	45	50	97	147	162	185	211	249	256
June 30	477	379	385	418	424	479	515	560	607	613
July 31	923	780	785	819	891	910	972	1020	1080	1090
August 31	1336	1153	1164	1229	1274	1334	1385	1473	1489	1489
September 30	1594	1335	1357	1485	1537	1607	1642	1730	1758	1759
October 31	1701	1406	1430	1565	1648	1712	1778	1824	1879	1887
November 30	1727	1412	1436	1577	1677	1729	1811	1834	1918	1932
Base Temperature 10°C										
April 30	4	0	0	0	0	2	7	13	16	16
May 31	52	0	2	20	41	55	65	81	94	96
June 30	220	143	147	170	187	216	244	288	302	303
July 31	511	380	386	430	468	507	551	604	622	625
August 31	770	599	607	656	728	766	840	877	899	902
September 30	886	655	675	787	854	880	944	995	1016	1019
October 31	914	669	689	803	871	913	978	1035	1047	1048
November 30	919	669	689	809	873	914	981	1040	1050	1052

Station : CENTREVILLE
Province : NEW BRUNSWICK
AES # : 8100850
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	114	43	46	64	87	115	145	167	181	183
May 31	429	266	273	328	405	439	467	495	518	522
June 30	896	769	773	809	865	899	928	978	990	992
July 31	1468	1341	1349	1391	1417	1473	1516	1565	1580	1581
August 31	1997	1877	1878	1894	1946	1987	2065	2103	2132	2135
September 30	2360	2184	2190	2237	2305	2360	2426	2481	2487	2487
October 31	2558	2335	2336	2380	2481	2576	2658	2674	2694	2697
November 30	2619	2348	2356	2426	2543	2632	2721	2736	2759	2763
Base Temperature 5°C										
April 30	29	3	3	3	12	31	40	58	65	65
May 31	193	62	67	111	174	197	225	252	267	269
June 30	510	415	417	438	486	508	537	584	589	589
July 31	927	821	824	846	884	919	971	1012	1033	1036
August 31	1301	1176	1180	1205	1257	1294	1360	1401	1430	1435
September 30	1514	1328	1339	1411	1455	1528	1573	1623	1636	1638
October 31	1589	1375	1384	1453	1530	1607	1674	1691	1710	1713
November 30	1604	1376	1386	1462	1547	1611	1682	1710	1717	1718
Base Temperature 10°C										
April 30	4	0	0	0	0	2	6	15	19	20
May 31	60	2	4	17	34	62	88	103	105	105
June 30	229	167	167	173	205	225	261	275	282	283
July 31	491	372	380	429	452	492	527	563	573	574
August 31	710	555	562	607	679	712	753	799	827	830
September 30	794	599	614	707	749	796	837	887	909	912
October 31	809	605	620	715	768	806	872	899	919	922
November 30	811	605	620	715	768	807	872	904	919	922

Station : CHARLO A
Province : NEW BRUNSWICK
AES # : 8100880
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1967–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	65	25	26	34	46	65	77	104	121	123
May 31	316	176	177	198	291	324	350	376	424	429
June 30	746	634	634	648	722	748	775	833	836	836
July 31	1297	1153	1156	1193	1246	1288	1352	1400	1406	1406
August 31	1805	1659	1661	1683	1716	1801	1886	1911	1915	1915
September 30	2143	1980	1980	1988	2067	2172	2228	2242	2270	2273
October 31	2317	2083	2087	2127	2216	2357	2413	2430	2453	2455
November 30	2359	2126	2127	2141	2263	2378	2460	2476	2497	2499
Base Temperature 5°C										
April 30	8	0	0	1	4	7	11	13	35	38
May 31	113	17	18	37	100	118	131	155	192	196
June 30	394	325	326	337	365	388	419	464	472	472
July 31	790	694	694	698	744	780	841	880	883	883
August 31	1142	997	1001	1038	1060	1145	1213	1238	1256	1258
September 30	1332	1154	1160	1218	1264	1371	1408	1433	1440	1441
October 31	1386	1186	1192	1250	1306	1431	1463	1489	1490	1490
November 30	1393	1186	1192	1258	1307	1434	1470	1494	1500	1501
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	2	10	11
May 31	26	0	0	1	13	28	35	55	60	60
June 30	161	114	115	125	139	161	187	198	227	230
July 31	402	319	321	335	356	412	451	480	498	499
August 31	600	438	443	494	536	604	674	704	728	730
September 30	665	508	514	566	608	676	728	782	794	794
October 31	673	508	515	583	614	681	746	789	801	801
November 30	673	508	516	584	614	681	747	789	801	801

Station : KEDGWICK
Province : NEW BRUNSWICK
AES # : 8102300
Growing degree days from April 1 to ending date shown
Period : 24 yrs (1964–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	71	8	12	26	48	65	94	129	140	142
May 31	321	156	170	238	285	329	363	396	423	428
June 30	741	609	618	648	710	741	794	804	841	852
July 31	1259	1121	1127	1164	1196	1244	1337	1370	1390	1396
August 31	1725	1554	1568	1617	1653	1701	1812	1879	1907	1910
September 30	2027	1853	1860	1881	1934	2012	2143	2185	2198	2201
October 31	2167	1968	1969	1973	2042	2189	2286	2327	2344	2349
November 30	2199	1972	1978	2000	2084	2237	2315	2361	2377	2379
Base Temperature 5°C										
April 30	14	0	0	1	3	10	25	31	47	52
May 31	126	22	28	64	99	128	160	185	195	196
June 30	395	325	326	329	361	397	429	465	471	471
July 31	759	633	644	679	709	754	815	862	866	866
August 31	1070	911	920	952	999	1052	1161	1189	1222	1230
September 30	1226	1065	1067	1090	1141	1203	1327	1349	1368	1374
October 31	1269	1102	1103	1116	1178	1258	1366	1396	1405	1408
November 30	1275	1102	1103	1116	1184	1265	1370	1401	1411	1412
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	6	16	19
May 31	34	0	1	6	12	33	55	64	71	73
June 30	161	106	108	116	140	157	185	209	221	225
July 31	370	255	266	301	330	369	421	451	462	465
August 31	530	397	398	407	469	519	604	633	669	680
September 30	580	444	447	463	504	571	655	690	727	733
October 31	587	445	449	467	515	573	669	696	731	736
November 30	588	445	449	467	515	573	669	700	732	736

Station : LITTLE RIVER MINE
Province : NEW BRUNSWICK
AES # : 8102350
Growing degree days from April 1 to ending date shown
Period : 27 yrs (1961–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	66	17	19	29	37	62	84	103	134	155
May 31	320	151	158	229	287	327	361	402	441	459
June 30	761	610	623	685	729	753	797	850	882	889
July 31	1318	1138	1154	1207	1269	1315	1350	1441	1464	1467
August 31	1830	1668	1675	1722	1769	1815	1939	1963	1968	1969
September 30	2168	1981	1989	2024	2080	2154	2281	2312	2358	2376
October 31	2341	2082	2116	2181	2244	2307	2451	2507	2551	2573
November 30	2383	2112	2144	2196	2301	2354	2477	2561	2607	2617
Base Temperature 5°C										
April 30	12	0	0	0	1	10	20	26	42	52
May 31	128	15	20	62	101	130	159	193	203	210
June 30	420	319	334	370	387	417	453	488	505	515
July 31	822	686	688	728	765	823	859	931	956	956
August 31	1179	1040	1051	1073	1106	1165	1248	1301	1313	1319
September 30	1369	1205	1205	1227	1292	1348	1465	1501	1532	1542
October 31	1427	1250	1252	1256	1342	1434	1522	1550	1613	1624
November 30	1435	1250	1252	1257	1362	1434	1527	1562	1619	1629
Base Temperature 10°C										
April 30	2	0	0	0	0	0	1	6	15	18
May 31	37	0	1	6	17	37	57	68	73	75
June 30	185	128	131	142	159	182	208	229	247	258
July 31	433	329	335	358	388	432	469	523	548	549
August 31	635	514	517	526	588	622	702	749	782	786
September 30	703	532	548	577	649	683	768	844	857	865
October 31	713	536	553	579	664	697	774	858	875	877
November 30	714	536	553	579	670	697	774	858	876	877

Station : MILLTOWN
Province : NEW BRUNSWICK
AES # : 8102975
Growing degree days from April 1 to ending date shown
Period : 19 yrs (1964–82)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	145	90	90	107	118	144	174	188	195	195
May 31	488	344	344	426	456	495	522	535	558	558
June 30	977	862	862	919	945	980	1009	1041	1078	1078
July 31	1579	1475	1475	1497	1532	1581	1628	1664	1671	1671
August 31	2153	2053	2053	2065	2091	2149	2214	2254	2279	2279
September 30	2568	2444	2444	2479	2501	2564	2648	2680	2704	2704
October 31	2818	2676	2676	2687	2736	2790	2895	2995	3001	3001
November 30	2915	2740	2740	2772	2804	2903	3007	3057	3113	3113
Base Temperature 5°C										
April 30	37	11	11	11	18	38	56	61	64	64
May 31	226	102	102	169	210	233	254	260	281	281
June 30	565	470	470	521	538	563	602	614	652	652
July 31	1012	928	928	936	974	1004	1058	1083	1098	1098
August 31	1431	1340	1340	1351	1378	1425	1484	1529	1551	1551
September 30	1696	1571	1571	1608	1633	1670	1770	1805	1827	1827
October 31	1806	1676	1676	1694	1734	1785	1885	1966	1980	1980
November 30	1834	1685	1685	1715	1757	1820	1916	1986	2007	2007
Base Temperature 10°C										
April 30	3	0	0	0	0	2	6	9	13	13
May 31	66	5	5	28	55	72	85	89	105	105
June 30	255	202	202	209	230	258	272	291	319	319
July 31	548	490	490	497	525	541	572	608	620	620
August 31	811	712	712	717	780	799	852	888	918	918
September 30	934	802	802	852	888	930	994	1020	1046	1046
October 31	960	825	825	867	905	950	1017	1068	1100	1100
November 30	964	825	825	886	910	950	1023	1068	1102	1102

Station : MUSQUASH
Province: NEW BRUNSWICK
AES # : 8103400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1951–80)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	118	61	65	71	95	117	148	156	174	174
May 31	402	274	282	323	358	413	439	462	472	473
June 30	812	677	679	717	775	824	856	882	902	906
July 31	1327	1147	1162	1189	1276	1337	1385	1430	1446	1460
August 31	1830	1591	1610	1690	1772	1847	1900	1961	1984	1987
September 30	2200	1920	1944	2070	2124	2202	2306	2345	2351	2353
October 31	2436	2134	2153	2247	2342	2439	2565	2593	2600	2604
November 30	2529	2220	2224	2297	2437	2542	2663	2692	2696	2700
Base Temperature 5°C										
April 30	21	5	5	7	9	19	30	42	46	47
May 31	153	57	60	104	128	161	182	193	204	212
June 30	414	297	310	349	378	413	454	463	487	492
July 31	773	612	638	664	725	786	824	858	871	884
August 31	1122	901	927	1008	1063	1128	1183	1236	1260	1270
September 30	1342	1080	1112	1207	1266	1354	1441	1469	1477	1483
October 31	1440	1162	1191	1289	1352	1450	1552	1569	1583	1592
November 30	1462	1178	1202	1294	1391	1467	1572	1596	1606	1610
Base Temperature 10°C										
April 30	1	0	0	0	0	0	2	5	6	7
May 31	28	1	3	10	15	24	40	54	58	61
June 30	142	85	94	107	116	146	160	175	189	191
July 31	347	261	265	278	301	362	376	402	421	434
August 31	540	396	399	428	500	554	582	623	654	664
September 30	625	463	466	492	573	637	694	720	737	746
October 31	644	470	475	506	591	656	718	742	751	756
November 30	647	471	475	506	591	657	726	742	751	756

Station : OROMOCTO
Province : NEW BRUNSWICK
AES # : 8103800
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1958–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	131	77	81	86	109	129	157	172	194	208
May 31	468	300	334	394	441	473	501	548	561	561
June 30	945	814	838	879	917	942	971	1028	1048	1052
July 31	1536	1393	1402	1456	1489	1532	1592	1629	1634	1636
August 31	2098	1934	1966	1999	2036	2090	2167	2200	2222	2225
September 30	2495	2293	2312	2349	2429	2500	2557	2629	2647	2661
October 31	2732	2529	2531	2540	2660	2741	2835	2860	2897	2917
November 30	2812	2569	2577	2608	2719	2838	2908	2946	2997	3006
Base Temperature 5°C										
April 30	33	5	5	9	14	33	47	58	67	76
May 31	218	80	110	167	193	221	240	276	297	302
June 30	545	444	462	482	517	543	570	608	636	657
July 31	981	838	859	892	942	981	1032	1061	1075	1085
August 31	1388	1223	1247	1288	1344	1384	1453	1474	1514	1520
September 30	1635	1433	1443	1485	1593	1649	1696	1752	1777	1781
October 31	1737	1525	1528	1558	1670	1761	1825	1856	1887	1897
November 30	1757	1530	1534	1564	1689	1785	1843	1884	1911	1914
Base Temperature 10°C										
April 30	4	0	0	0	0	4	7	9	16	22
May 31	71	0	14	34	53	70	91	113	130	136
June 30	249	164	174	201	223	249	274	289	321	342
July 31	530	417	421	428	505	546	558	593	612	615
August 31	782	640	644	679	750	783	832	864	890	894
September 30	891	698	712	746	844	902	956	986	1008	1010
October 31	917	714	728	759	862	920	985	1033	1041	1048
November 30	921	714	728	759	869	926	990	1034	1048	1057

Station : ROYAL ROAD
Province : NEW BRUNSWICK
AES # : 8104480
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	112	49	50	55	86	115	130	160	181	184
May 31	420	233	248	346	389	430	461	486	505	508
June 30	877	718	732	816	849	866	924	955	989	995
July 31	1443	1336	1338	1353	1406	1431	1482	1546	1566	1569
August 31	1979	1878	1881	1896	1910	1968	2038	2072	2135	2145
September 30	2345	2216	2217	2230	2289	2339	2409	2454	2487	2492
October 31	2546	2370	2373	2399	2477	2562	2618	2671	2689	2689
November 30	2609	2414	2416	2441	2536	2620	2677	2741	2757	2758
Base Temperature 5°C										
April 30	26	1	1	2	9	29	37	48	63	65
May 31	185	48	58	124	162	187	226	236	248	250
June 30	492	383	388	419	472	487	531	563	596	601
July 31	903	819	819	827	856	902	935	1004	1022	1024
August 31	1284	1182	1182	1186	1227	1281	1322	1382	1437	1446
September 30	1501	1345	1354	1407	1444	1502	1559	1607	1639	1643
October 31	1575	1399	1406	1449	1510	1582	1638	1682	1703	1706
November 30	1591	1401	1409	1458	1539	1604	1647	1701	1709	1710
Base Temperature 10°C										
April 30	3	0	0	0	0	2	4	9	20	21
May 31	55	0	2	16	32	56	80	90	99	101
June 30	213	133	136	159	189	209	247	259	277	280
July 31	470	381	383	399	440	465	498	545	562	565
August 31	696	563	567	591	655	699	742	804	830	832
September 30	781	603	617	700	729	780	838	892	909	909
October 31	797	612	626	709	748	794	860	902	917	918
November 30	799	612	628	718	748	797	861	902	919	920

Station : SAINT JOHN
Province : NEW BRUNSWICK
AES # : 8104800
Growing degree days from April 1 to ending date shown
Period : 25 yrs (1941–69)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	128	77	77	80	97	129	152	176	187	189
May 31	419	310	315	328	381	437	459	486	491	491
June 30	828	707	712	728	772	836	887	917	926	929
July 31	1347	1212	1213	1229	1282	1345	1407	1463	1490	1499
August 31	1867	1701	1706	1749	1787	1874	1920	2008	2033	2040
September 30	2282	2078	2085	2125	2215	2275	2351	2446	2451	2452
October 31	2563	2343	2355	2386	2500	2563	2652	2731	2763	2771
November 30	2685	2456	2460	2484	2612	2683	2746	2854	2861	2864
Base Temperature 5°C										
April 30	23	4	4	6	9	21	37	43	48	49
May 31	162	74	78	108	144	166	187	198	226	234
June 30	420	320	324	350	380	414	466	484	511	522
July 31	784	657	665	694	737	773	841	874	903	910
August 31	1150	1006	1010	1044	1090	1150	1204	1270	1291	1297
September 30	1415	1215	1231	1288	1362	1409	1483	1542	1556	1559
October 31	1548	1331	1343	1389	1499	1548	1624	1685	1710	1720
November 30	1580	1360	1365	1414	1527	1579	1656	1711	1726	1729
Base Temperature 10°C										
April 30	0	0	0	0	0	0	1	2	3	3
May 31	26	2	2	7	16	25	38	46	62	68
June 30	137	87	90	100	116	133	157	177	199	207
July 31	346	285	285	287	318	334	381	404	442	453
August 31	557	475	475	480	504	552	593	649	674	684
September 30	676	558	562	574	629	671	725	773	793	798
October 31	707	575	577	593	653	705	760	810	829	830
November 30	711	578	579	593	660	709	768	813	830	831

Station : SEARSVILLE
Province : NEW BRUNSWICK
AES # : 8104938
Growing degree days from April 1 to ending date shown
Period : 20 yrs (1966–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	122	61	61	64	99	121	149	170	176	176
May 31	429	266	270	354	393	436	472	504	516	516
June 30	885	736	740	820	851	878	932	971	973	973
July 31	1458	1346	1347	1361	1419	1456	1507	1552	1556	1556
August 31	2011	1907	1907	1915	1953	2004	2072	2108	2140	2142
September 30	2405	2296	2297	2309	2328	2416	2467	2506	2516	2516
October 31	2641	2465	2467	2513	2571	2650	2726	2755	2765	2765
November 30	2733	2534	2535	2556	2696	2751	2797	2865	2874	2874
Base Temperature 5°C										
April 30	30	4	4	5	13	31	43	50	56	56
May 31	186	64	67	125	168	188	211	244	258	259
June 30	492	384	387	435	466	486	528	562	568	568
July 31	910	824	825	841	877	905	937	995	999	999
August 31	1307	1204	1206	1239	1256	1303	1350	1398	1428	1429
September 30	1552	1451	1452	1470	1502	1566	1601	1632	1644	1645
October 31	1654	1514	1516	1546	1592	1668	1716	1745	1746	1746
November 30	1681	1527	1528	1556	1629	1689	1741	1777	1787	1788
Base Temperature 10°C										
April 30	3	0	0	0	0	2	5	8	14	14
May 31	49	0	1	15	32	50	67	82	91	92
June 30	206	147	148	163	183	210	230	249	253	253
July 31	469	409	409	414	450	466	488	526	539	540
August 31	712	613	614	643	691	706	735	787	815	816
September 30	819	733	734	748	778	829	849	880	903	904
October 31	845	750	751	772	796	852	891	898	923	924
November 30	849	768	768	772	810	856	897	905	923	924

Station : ST GEORGE
Province : NEW BRUNSWICK
AES # : 8104700
Growing degree days from April 1 to ending date shown
Period : 28 yrs (1953–80)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	127	86	86	96	103	126	147	169	191	205
May 31	423	305	312	365	394	428	455	478	508	516
June 30	845	725	731	771	812	849	878	912	952	958
July 31	1371	1225	1230	1246	1324	1367	1426	1464	1499	1512
August 31	1889	1689	1700	1756	1822	1903	1956	2019	2029	2031
September 30	2279	2031	2054	2121	2232	2288	2350	2420	2428	2432
October 31	2526	2269	2289	2363	2449	2534	2600	2683	2715	2718
November 30	2624	2375	2377	2431	2525	2653	2725	2757	2814	2832
Base Temperature 5°C										
April 30	26	7	8	9	13	24	39	46	59	63
May 31	169	79	79	125	148	170	201	216	226	231
June 30	440	334	347	364	418	440	478	504	516	520
July 31	812	672	676	712	780	807	861	901	908	911
August 31	1175	989	992	1065	1117	1188	1243	1265	1298	1304
September 30	1414	1181	1195	1264	1354	1432	1478	1540	1542	1542
October 31	1521	1280	1293	1358	1448	1534	1593	1651	1674	1690
November 30	1544	1304	1311	1366	1472	1559	1634	1668	1704	1718
Base Temperature 10°C										
April 30	1	0	0	0	0	0	2	4	10	12
May 31	34	1	4	13	22	30	46	57	75	86
June 30	158	97	106	118	136	159	181	194	208	211
July 31	375	259	282	314	341	370	417	439	446	450
August 31	582	427	443	478	540	590	629	659	683	691
September 30	682	507	516	544	636	694	731	776	788	794
October 31	705	525	534	561	668	721	754	801	811	811
November 30	707	525	534	561	669	721	757	801	812	813

Station : UPSALQUITCH LAKE
Province : NEW BRUNSWICK
AES # : 8105551
Growing degree days from April 1 to ending date shown
Period : 20 yrs (1968–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	56	8	8	15	39	60	76	91	113	114
May 31	280	151	153	194	258	283	316	354	361	361
June 30	675	571	574	624	644	673	718	733	735	735
July 31	1183	1064	1065	1088	1134	1185	1219	1276	1307	1309
August 31	1639	1513	1514	1540	1579	1620	1693	1755	1771	1772
September 30	1925	1726	1730	1811	1860	1954	1978	2029	2039	2039
October 31	2059	1883	1883	1891	1998	2075	2126	2173	2186	2187
November 30	2087	1890	1891	1910	2052	2105	2148	2192	2217	2218
Base Temperature 5°C										
April 30	11	0	0	0	3	11	14	22	36	37
May 31	107	21	22	45	92	107	138	150	151	151
June 30	353	291	292	306	317	353	383	409	429	430
July 31	706	584	586	631	665	700	749	786	848	851
August 31	1007	848	852	928	964	984	1073	1124	1145	1146
September 30	1148	925	932	1071	1103	1165	1187	1247	1276	1277
October 31	1190	972	978	1095	1153	1208	1222	1280	1308	1309
November 30	1195	972	978	1100	1172	1212	1224	1288	1316	1317
Base Temperature 10°C										
April 30	1	0	0	0	0	0	2	6	13	13
May 31	30	2	2	3	10	28	52	59	62	62
June 30	140	87	87	93	115	133	167	190	208	209
July 31	339	223	226	289	309	330	373	433	455	456
August 31	489	347	349	398	450	470	541	596	621	622
September 30	532	357	363	470	492	522	574	622	661	663
October 31	539	362	368	476	508	527	582	627	664	666
November 30	540	362	368	483	508	528	582	627	664	666

Station : WOODSTOCK
Province : NEW BRUNSWICK
AES # : 8105600
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1952–86)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	133	73	74	86	113	132	153	180	185	188
May 31	475	361	367	399	443	477	515	537	583	620
June 30	964	836	857	888	911	958	1014	1042	1086	1132
July 31	1568	1370	1385	1462	1503	1549	1641	1676	1720	1741
August 31	2128	1871	1910	1962	2041	2145	2223	2293	2324	2346
September 30	2521	2230	2256	2300	2440	2522	2632	2677	2736	2759
October 31	2742	2459	2470	2509	2651	2740	2861	2919	2940	2961
November 30	2817	2520	2533	2550	2722	2829	2946	3011	3031	3051
Base Temperature 5°C										
April 30	34	4	4	5	21	33	48	55	67	69
May 31	224	121	123	166	204	224	253	282	320	364
June 30	563	436	459	488	515	566	603	637	681	726
July 31	1012	815	832	898	942	1011	1082	1118	1148	1155
August 31	1417	1161	1202	1246	1337	1439	1504	1581	1597	1605
September 30	1660	1370	1393	1443	1569	1669	1754	1828	1859	1868
October 31	1749	1464	1470	1526	1654	1759	1851	1916	1925	1932
November 30	1766	1477	1483	1529	1669	1775	1868	1941	1947	1952
Base Temperature 10°C										
April 30	4	0	0	0	0	1	7	13	15	16
May 31	75	17	19	38	51	69	99	119	158	193
June 30	265	174	186	198	232	261	292	327	368	405
July 31	559	421	423	439	502	566	613	664	676	677
August 31	809	613	620	660	745	824	881	959	972	972
September 30	916	677	692	723	828	945	989	1071	1090	1093
October 31	937	684	706	732	853	955	1016	1079	1104	1104
November 30	938	684	706	732	853	957	1017	1085	1106	1108

Station : BACCARO
Province : NOVA SCOTIA
AES # : 8200250
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1958–78)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	119	74	75	84	93	123	143	151	161	162
May 31	358	254	258	298	325	361	390	421	440	442
June 30	693	548	553	600	653	702	732	800	812	812
July 31	1116	963	965	989	1053	1126	1168	1221	1251	1254
August 31	1563	1374	1375	1391	1483	1578	1641	1692	1733	1737
September 30	1964	1729	1730	1751	1874	1983	2072	2090	2153	2160
October 31	2271	1980	1985	2032	2202	2315	2387	2427	2455	2458
November 30	2445	2095	2105	2200	2377	2499	2572	2603	2612	2613
Base Temperature 5°C										
April 30	15	1	1	3	8	12	23	29	38	39
May 31	103	41	43	66	85	101	124	148	163	164
June 30	288	186	189	216	265	283	314	373	390	391
July 31	555	446	446	450	497	566	587	644	668	671
August 31	848	694	695	708	777	855	906	973	997	999
September 30	1099	889	892	925	1022	1115	1188	1218	1268	1273
October 31	1254	991	997	1050	1197	1293	1355	1385	1416	1419
November 30	1310	1008	1018	1111	1258	1357	1410	1452	1467	1469
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	1	1
May 31	6	0	0	0	3	6	10	14	16	16
June 30	50	14	15	24	39	44	63	83	95	96
July 31	162	100	100	105	128	171	188	219	220	220
August 31	300	177	181	221	250	309	338	389	408	409
September 30	403	235	241	292	362	408	468	504	516	517
October 31	441	245	250	298	399	460	520	539	558	560
November 30	446	245	250	302	402	468	522	548	560	561

Station : BRIDGEWATER
Province : NOVA SCOTIA
AES # : 8200600
Growing degree days from April 1 to ending date shown
Period : 26 yrs (1962–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	139	65	67	89	105	139	173	185	195	199
May 31	447	287	323	391	413	444	485	513	525	530
June 30	902	756	782	834	867	890	938	988	1005	1010
July 31	1480	1338	1357	1392	1443	1465	1545	1575	1585	1585
August 31	2041	1902	1913	1939	1988	2036	2089	2150	2195	2218
September 30	2453	2305	2312	2355	2398	2442	2514	2583	2616	2622
October 31	2719	2508	2530	2590	2649	2730	2772	2868	2895	2897
November 30	2840	2638	2653	2692	2765	2846	2902	3027	3040	3043
Base Temperature 5°C										
April 30	37	6	7	10	14	39	55	64	68	69
May 31	194	75	96	145	172	197	220	240	254	262
June 30	499	395	406	430	467	498	531	565	590	597
July 31	922	778	802	856	879	918	973	1004	1012	1014
August 31	1328	1187	1200	1240	1271	1329	1368	1428	1470	1492
September 30	1590	1461	1463	1481	1548	1584	1632	1707	1737	1746
October 31	1714	1523	1546	1590	1661	1722	1761	1843	1868	1869
November 30	1751	1562	1578	1634	1677	1753	1810	1901	1909	1911
Base Temperature 10°C										
April 30	6	0	0	0	1	5	10	14	15	15
May 31	54	2	7	28	40	58	69	77	85	87
June 30	211	135	143	159	189	216	236	251	270	280
July 31	480	376	388	416	434	487	513	542	553	554
August 31	731	630	632	641	679	730	777	808	857	877
September 30	851	725	737	765	794	857	892	935	978	995
October 31	886	753	761	786	826	889	935	992	1014	1019
November 30	893	756	765	791	830	892	938	1000	1020	1027

Station : CHETICAMP
Province : NOVA SCOTIA
AES # : 8200825
Growing degree days from April 1 to ending date shown
Period : 27 yrs (1961–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	95	34	36	43	53	87	124	160	207	216
May 31	352	217	218	233	294	328	433	481	519	541
June 30	772	615	619	652	715	756	812	918	963	983
July 31	1336	1118	1135	1166	1275	1340	1389	1496	1542	1561
August 31	1885	1654	1678	1718	1812	1898	1958	2068	2108	2110
September 30	2291	2036	2060	2101	2221	2272	2389	2475	2547	2564
October 31	2560	2307	2321	2354	2474	2548	2668	2738	2820	2869
November 30	2691	2417	2423	2442	2587	2681	2781	2910	2980	3026
Base Temperature 5°C										
April 30	24	0	0	1	4	19	36	55	91	93
May 31	143	44	46	50	108	129	195	242	257	264
June 30	412	289	297	319	360	407	469	536	557	558
July 31	822	623	643	679	748	826	887	949	981	983
August 31	1216	1004	1025	1072	1152	1223	1286	1368	1392	1404
September 30	1472	1236	1255	1310	1386	1482	1562	1635	1672	1677
October 31	1594	1354	1372	1411	1508	1593	1699	1751	1801	1833
November 30	1634	1390	1396	1425	1546	1642	1732	1812	1856	1882
Base Temperature 10°C										
April 30	5	0	0	0	0	1	5	17	27	32
May 31	41	3	4	6	23	40	53	85	96	100
June 30	171	99	99	110	130	178	208	239	254	258
July 31	425	261	290	338	365	435	479	523	532	534
August 31	665	487	499	518	598	688	730	771	815	830
September 30	776	575	585	645	712	782	856	890	935	943
October 31	808	594	608	668	727	824	892	948	968	981
November 30	817	599	611	668	731	824	892	957	994	1016

Station : CLARENCE
Province : NOVA SCOTIA
AES # : 8200860
Growing degree days from April 1 to ending date shown
Period : 29 yrs (1959–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	136	61	61	86	99	141	165	188	189	190
May 31	452	286	332	385	414	457	497	524	538	542
June 30	908	762	797	838	873	905	943	1002	1018	1022
July 31	1481	1368	1374	1382	1433	1463	1544	1598	1605	1606
August 31	2033	1907	1908	1936	1963	2023	2115	2172	2192	2196
September 30	2437	2236	2262	2299	2351	2426	2537	2586	2607	2622
October 31	2701	2451	2504	2560	2604	2691	2822	2845	2868	2878
November 30	2823	2517	2571	2644	2702	2844	2944	2997	3022	3027
Base Temperature 5°C										
April 30	35	3	3	7	11	35	52	65	68	68
May 31	200	76	111	149	173	202	227	264	276	283
June 30	505	402	422	456	469	490	543	595	610	618
July 31	923	796	816	842	876	909	972	1038	1046	1050
August 31	1320	1181	1182	1227	1255	1311	1383	1456	1476	1479
September 30	1575	1361	1386	1429	1507	1573	1669	1711	1739	1758
October 31	1693	1436	1482	1538	1614	1698	1804	1837	1848	1848
November 30	1729	1448	1497	1550	1651	1732	1838	1885	1894	1902
Base Temperature 10°C										
April 30	5	0	0	0	0	3	9	13	16	18
May 31	54	1	8	24	35	49	71	95	105	110
June 30	211	135	147	175	184	205	238	263	288	299
July 31	475	359	371	408	437	483	514	564	572	572
August 31	717	568	579	610	659	717	777	839	849	854
September 30	830	615	646	698	764	832	908	944	970	980
October 31	860	628	663	719	793	856	953	984	989	991
November 30	867	630	666	719	799	872	959	987	997	998

Station : DEMING
Province : NOVA SCOTIA
AES # : 8201410
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1958–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	71	24	26	38	53	72	89	103	123	137
May 31	260	158	168	192	217	267	296	325	346	372
June 30	572	447	458	489	517	577	618	692	698	699
July 31	1007	767	821	883	926	1003	1087	1160	1184	1200
August 31	1517	1301	1310	1359	1436	1527	1615	1671	1709	1729
September 30	1948	1707	1709	1767	1864	1935	2071	2103	2153	2201
October 31	2245	1981	1991	2053	2133	2253	2359	2430	2473	2521
November 30	2390	2078	2097	2182	2284	2428	2508	2558	2636	2679
Base Temperature 5°C										
April 30	3	0	0	0	0	2	4	9	15	22
May 31	51	10	14	20	36	51	63	83	96	105
June 30	214	142	146	160	183	213	240	279	298	307
July 31	493	257	327	399	447	488	552	597	626	636
August 31	849	653	661	716	797	848	925	969	989	1010
September 30	1129	896	911	971	1070	1123	1227	1241	1289	1332
October 31	1274	1032	1040	1102	1209	1274	1361	1426	1463	1500
November 30	1312	1060	1061	1132	1231	1323	1412	1454	1502	1544
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	1
May 31	1	0	0	0	0	1	2	3	5	6
June 30	34	6	10	14	22	32	42	54	79	83
July 31	163	42	71	98	138	165	198	227	250	274
August 31	363	221	241	261	322	361	415	447	469	493
September 30	495	333	350	368	457	496	552	584	622	665
October 31	528	348	367	394	483	522	595	634	678	719
November 30	531	348	368	394	483	525	600	634	679	720

Station : DIGBY PRIM POINT
Province : NOVA SCOTIA
AES # : 8201605
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1955–84)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	146	72	80	92	115	148	169	194	211	226
May 31	450	277	322	369	405	447	498	547	572	590
June 30	880	692	732	775	822	879	931	977	1041	1083
July 31	1424	1207	1246	1322	1355	1414	1479	1550	1620	1668
August 31	1959	1737	1771	1816	1876	1942	2032	2146	2196	2245
September 30	2380	2154	2163	2223	2286	2355	2486	2602	2645	2687
October 31	2680	2468	2469	2494	2579	2638	2791	2901	2940	2968
November 30	2847	2588	2601	2664	2720	2813	2973	3098	3133	3167
Base Temperature 5°C										
April 30	35	6	6	7	16	34	51	59	77	94
May 31	186	61	82	129	156	182	222	256	279	299
June 30	466	326	338	387	414	467	505	540	610	642
July 31	855	686	717	747	797	846	911	972	1019	1073
August 31	1235	1061	1071	1113	1153	1221	1302	1393	1448	1494
September 30	1506	1328	1331	1361	1413	1472	1602	1698	1750	1787
October 31	1654	1480	1482	1491	1564	1602	1750	1859	1888	1920
November 30	1709	1496	1517	1553	1590	1671	1811	1929	1963	1991
Base Temperature 10°C										
April 30	4	0	0	0	0	2	5	10	15	21
May 31	43	0	4	8	27	42	59	71	89	99
June 30	175	78	98	116	146	180	197	217	277	292
July 31	409	318	319	325	366	399	449	493	530	567
August 31	634	499	522	541	562	621	686	754	810	834
September 30	758	633	636	644	680	739	823	922	961	977
October 31	796	662	664	671	705	769	867	980	993	997
November 30	805	662	664	690	715	783	876	998	1009	1012

Station : HALIFAX CITADEL
Province: NOVA SCOTIA
AES # : 8202220
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1964–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	128	70	70	79	102	135	152	167	178	179
May 31	421	293	301	349	382	432	459	477	482	483
June 30	862	744	752	797	817	852	911	953	965	966
July 31	1429	1296	1303	1346	1379	1420	1505	1516	1548	1554
August 31	2003	1886	1887	1897	1944	2001	2066	2123	2158	2162
September 30	2450	2314	2316	2332	2391	2439	2521	2583	2632	2639
October 31	2745	2550	2557	2608	2673	2734	2809	2901	2952	2961
November 30	2885	2681	2683	2705	2817	2895	2968	3044	3107	3117
Base Temperature 5°C										
April 30	27	6	6	7	12	28	39	46	48	48
May 31	168	78	80	101	153	178	189	202	206	207
June 30	458	379	381	398	432	454	492	533	541	541
July 31	871	741	750	806	836	864	919	940	969	974
August 31	1290	1181	1181	1184	1242	1297	1338	1389	1426	1431
September 30	1587	1458	1458	1466	1539	1578	1640	1701	1748	1754
October 31	1732	1557	1563	1601	1687	1725	1778	1858	1914	1923
November 30	1773	1583	1588	1618	1719	1782	1827	1913	1962	1970
Base Temperature 10°C										
April 30	2	0	0	0	0	1	4	7	9	9
May 31	34	1	3	15	25	34	43	52	69	72
June 30	176	144	144	147	152	172	188	218	236	239
July 31	434	354	354	364	411	442	461	484	498	500
August 31	698	574	583	633	656	698	732	766	812	819
September 30	846	695	706	772	810	853	873	944	972	975
October 31	884	734	743	796	841	880	922	979	1032	1041
November 30	890	734	743	796	857	888	924	987	1034	1042

Station : HALIFAX INT'L A
Province: NOVA SCOTIA
AES # : 8202250
Growing degree days from April 1 to ending date shown
Period : 25 yrs (1961–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	107	48	49	55	80	115	124	155	164	164
May 31	393	259	279	327	366	396	427	460	469	471
June 30	835	722	735	772	805	826	859	934	962	967
July 31	1403	1279	1284	1309	1361	1398	1453	1511	1522	1523
August 31	1962	1828	1832	1855	1906	1970	2010	2082	2119	2126
September 30	2378	2223	2224	2239	2320	2383	2444	2520	2538	2545
October 31	2642	2463	2470	2490	2563	2649	2713	2782	2813	2825
November 30	2758	2557	2557	2564	2665	2768	2828	2918	2956	2963
Base Temperature 5°C										
April 30	22	3	3	4	6	25	32	40	50	54
May 31	158	67	73	101	142	162	176	208	211	212
June 30	450	380	383	394	420	439	471	532	555	562
July 31	863	737	739	771	839	856	904	953	960	963
August 31	1267	1121	1125	1158	1226	1270	1309	1363	1409	1419
September 30	1533	1367	1368	1405	1486	1547	1587	1658	1671	1673
October 31	1654	1482	1483	1493	1600	1675	1716	1787	1805	1806
November 30	1689	1490	1496	1513	1622	1715	1746	1829	1854	1856
Base Temperature 10°C										
April 30	2	0	0	0	0	0	5	7	10	10
May 31	36	0	3	12	23	38	48	57	67	72
June 30	182	121	126	141	160	182	203	219	249	262
July 31	440	339	345	363	417	448	472	503	508	508
August 31	689	556	558	602	641	695	718	773	811	827
September 30	811	642	650	715	770	820	858	901	925	932
October 31	841	667	674	733	797	856	888	944	961	967
November 30	846	667	675	734	804	857	891	949	971	979

Station : KEJIMKUJIK PARK
Province : NOVA SCOTIA
AES # : 8202590
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	141	58	59	75	110	143	173	198	212	215
May 31	453	281	295	381	416	457	514	530	546	549
June 30	908	761	770	824	866	893	962	996	1024	1029
July 31	1478	1342	1349	1388	1431	1471	1548	1576	1591	1593
August 31	2027	1888	1890	1910	1977	2002	2117	2154	2169	2170
September 30	2426	2282	2285	2305	2350	2411	2508	2561	2576	2577
October 31	2677	2478	2484	2520	2598	2697	2761	2820	2843	2847
November 30	2789	2592	2592	2600	2671	2798	2888	2963	2977	2977
Base Temperature 5°C										
April 30	40	5	5	8	22	43	55	70	86	89
May 31	201	75	83	140	183	196	238	262	276	279
June 30	506	405	408	433	468	507	545	576	604	608
July 31	921	789	798	851	881	909	980	1007	1016	1017
August 31	1315	1190	1192	1209	1255	1306	1382	1434	1438	1438
September 30	1563	1432	1434	1443	1504	1548	1640	1683	1688	1688
October 31	1676	1501	1503	1525	1607	1680	1748	1812	1830	1832
November 30	1710	1527	1527	1544	1616	1715	1809	1850	1852	1852
Base Temperature 10°C										
April 30	6	0	0	0	1	5	10	17	21	22
May 31	57	2	5	22	39	63	73	93	98	98
June 30	214	147	148	157	181	220	246	254	281	285
July 31	474	381	382	398	427	475	522	539	542	543
August 31	713	611	611	614	640	729	775	813	828	830
September 30	823	663	671	722	770	818	895	915	926	928
October 31	855	682	692	752	808	838	947	958	974	977
November 30	861	684	694	753	815	850	951	968	976	977

Station : LIVERPOOL MILTON
Province : NOVA SCOTIA
AES # : 8203120
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1967–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	156	71	72	91	134	157	189	202	212	213
May 31	476	299	311	422	461	476	513	536	542	542
June 30	942	771	777	842	912	941	986	1021	1071	1076
July 31	1539	1397	1398	1421	1499	1527	1597	1634	1667	1670
August 31	2122	1922	1929	1997	2077	2110	2173	2275	2284	2284
September 30	2561	2374	2379	2426	2490	2562	2609	2716	2735	2737
October 31	2845	2641	2648	2709	2743	2863	2919	3006	3029	3031
November 30	2981	2802	2803	2816	2844	2999	3064	3147	3184	3187
Base Temperature 5°C										
April 30	46	9	9	10	33	46	62	70	83	84
May 31	212	83	93	183	199	214	234	258	267	268
June 30	528	406	408	438	498	519	573	595	642	647
July 31	970	852	855	880	925	957	1021	1066	1084	1086
August 31	1398	1210	1220	1313	1348	1392	1451	1545	1548	1548
September 30	1687	1512	1517	1565	1625	1678	1737	1830	1846	1848
October 31	1825	1631	1635	1677	1739	1829	1900	1974	1995	1997
November 30	1869	1685	1688	1720	1775	1888	1957	2018	2041	2043
Base Temperature 10°C										
April 30	7	0	0	0	2	5	11	14	22	23
May 31	58	1	3	27	45	64	73	82	88	88
June 30	225	145	146	162	194	231	254	266	304	308
July 31	512	412	415	440	468	512	561	591	601	602
August 31	785	616	623	690	743	771	831	916	922	922
September 30	929	768	770	799	882	915	972	1053	1055	1055
October 31	970	787	790	828	917	962	1039	1094	1114	1116
November 30	977	817	817	832	921	973	1045	1099	1116	1118

Station : LOWER MEAGHERS GRANT
Province : NOVA SCOTIA
AES # : 8203165
Growing degree days from April 1 to ending date shown
Period : 20 yrs (1968–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	134	57	59	90	106	138	161	177	199	200
May 31	427	342	342	354	390	425	469	490	494	494
June 30	865	780	781	805	821	851	886	960	986	987
July 31	1432	1289	1293	1372	1387	1411	1488	1536	1545	1545
August 31	1989	1871	1872	1898	1921	1984	2046	2113	2149	2151
September 30	2405	2271	2272	2298	2334	2395	2458	2551	2599	2601
October 31	2666	2489	2490	2509	2581	2681	2726	2836	2852	2852
November 30	2782	2581	2582	2600	2673	2810	2851	2956	2976	2977
Base Temperature 5°C										
April 30	32	6	6	8	21	31	40	53	78	79
May 31	174	89	92	144	153	173	197	223	225	225
June 30	462	377	378	400	429	457	475	544	563	564
July 31	874	731	735	805	841	868	927	965	968	968
August 31	1276	1159	1161	1190	1207	1270	1331	1392	1418	1419
September 30	1542	1395	1397	1429	1489	1535	1592	1666	1716	1719
October 31	1661	1488	1489	1505	1594	1672	1713	1802	1831	1832
November 30	1695	1500	1502	1533	1618	1705	1749	1842	1858	1859
Base Temperature 10°C										
April 30	4	0	0	0	0	3	4	12	18	18
May 31	39	13	13	13	25	41	50	62	63	63
June 30	180	116	117	130	156	178	206	230	254	255
July 31	437	352	352	359	407	436	480	500	503	503
August 31	684	578	579	591	628	687	733	792	799	799
September 30	808	646	648	700	764	808	861	906	952	954
October 31	842	670	673	731	808	845	896	941	989	991
November 30	847	670	673	733	809	849	907	943	991	993

Station : MIDDLE MUSQUODOBOIT
Province : NOVA SCOTIA
AES # : 8203535
Growing degree days from April 1 to ending date shown
Period : 26 yrs (1962–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	119	49	52	63	90	116	144	181	195	202
May 31	405	266	281	322	372	402	456	498	500	500
June 30	837	705	710	739	784	830	885	965	968	968
July 31	1401	1248	1252	1274	1349	1391	1467	1521	1542	1549
August 31	1948	1775	1779	1792	1893	1941	2017	2092	2119	2133
September 30	2347	2152	2156	2168	2278	2338	2409	2507	2536	2544
October 31	2602	2397	2401	2415	2507	2605	2716	2770	2808	2821
November 30	2715	2467	2469	2508	2617	2731	2820	2908	2944	2952
Base Temperature 5°C										
April 30	27	1	2	4	10	27	36	57	75	83
May 31	163	65	74	98	137	161	190	228	237	238
June 30	445	354	356	366	393	444	478	544	555	556
July 31	854	710	719	738	819	851	902	949	971	983
August 31	1246	1082	1083	1101	1196	1251	1321	1369	1404	1422
September 30	1495	1292	1300	1338	1427	1497	1553	1637	1660	1660
October 31	1608	1400	1405	1433	1533	1625	1693	1760	1787	1793
November 30	1642	1405	1417	1445	1570	1651	1726	1809	1824	1829
Base Temperature 10°C										
April 30	3	0	0	0	0	1	4	9	19	22
May 31	37	2	4	9	21	38	53	70	74	75
June 30	174	104	109	121	145	172	200	230	249	251
July 31	428	314	324	351	376	427	475	498	510	515
August 31	664	523	526	553	612	671	721	750	804	829
September 30	775	600	609	646	716	787	833	872	915	935
October 31	805	623	629	666	745	819	868	915	947	956
November 30	812	623	631	667	761	822	879	919	952	962

Station : PORT HOOD
Province : NOVA SCOTIA
AES # : 8204500
Growing degree days from April 1 to ending date shown
Period : 27 yrs (1961–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	74	15	15	17	36	57	112	139	167	168
May 31	301	77	104	171	253	294	367	437	457	459
June 30	700	472	486	537	626	714	765	853	873	886
July 31	1272	1020	1040	1080	1216	1273	1342	1434	1482	1498
August 31	1835	1568	1592	1630	1741	1863	1904	1992	2101	2148
September 30	2250	1944	1955	2009	2155	2237	2381	2436	2538	2569
October 31	2523	2197	2206	2250	2389	2524	2664	2765	2810	2837
November 30	2650	2298	2299	2396	2501	2636	2800	2940	2986	2989
Base Temperature 5°C										
April 30	14	0	0	0	1	9	19	47	59	60
May 31	107	1	5	21	66	112	131	192	214	219
June 30	357	154	183	239	310	359	422	464	490	496
July 31	773	561	570	591	719	787	830	913	975	992
August 31	1181	931	935	996	1123	1186	1237	1323	1430	1444
September 30	1446	1168	1192	1234	1373	1448	1539	1656	1718	1720
October 31	1571	1289	1299	1321	1462	1567	1674	1830	1840	1846
November 30	1603	1290	1301	1356	1480	1613	1724	1883	1901	1907
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	6	10	10
May 31	23	0	0	0	5	19	37	55	66	69
June 30	134	10	27	72	108	139	167	197	207	213
July 31	395	262	262	267	352	406	433	475	583	624
August 31	648	442	456	515	579	658	711	762	875	885
September 30	768	520	554	628	678	765	820	956	1021	1046
October 31	795	530	562	639	716	804	857	999	1046	1068
November 30	797	530	563	639	716	804	858	1007	1053	1072

Station : RIVER DENYS
Province : NOVA SCOTIA
AES # : 8204565
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1967–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	97	34	34	37	53	100	123	146	207	213
May 31	356	202	206	248	320	360	405	434	513	521
June 30	774	633	636	664	727	782	808	874	961	970
July 31	1340	1101	1116	1253	1285	1329	1406	1453	1514	1520
August 31	1885	1665	1675	1767	1826	1867	1966	2041	2057	2058
September 30	2268	2006	2016	2113	2187	2271	2345	2412	2496	2505
October 31	2511	2196	2208	2326	2443	2496	2613	2652	2772	2785
November 30	2620	2287	2294	2380	2514	2632	2734	2786	2884	2895
Base Temperature 5°C										
April 30	21	2	2	2	6	18	28	49	82	86
May 31	136	34	36	60	107	141	167	189	234	239
June 30	404	293	295	314	351	413	426	486	533	538
July 31	815	606	618	728	758	822	886	909	931	933
August 31	1205	1016	1022	1082	1127	1220	1289	1311	1360	1365
September 30	1438	1207	1212	1263	1376	1457	1522	1574	1609	1613
October 31	1539	1266	1273	1343	1478	1557	1637	1691	1744	1749
November 30	1566	1277	1283	1344	1503	1574	1662	1747	1769	1770
Base Temperature 10°C										
April 30	3	0	0	0	0	1	5	13	14	14
May 31	31	0	0	5	17	28	48	59	64	64
June 30	158	87	89	104	120	159	185	226	235	236
July 31	413	272	275	305	350	412	472	507	512	512
August 31	649	494	497	529	570	662	719	786	819	822
September 30	745	553	557	599	677	739	812	873	927	932
October 31	768	575	577	605	709	771	842	886	956	963
November 30	772	575	577	605	709	771	845	888	976	985

Station : SHEFFIELD MILLS
Province : NOVA SCOTIA
AES # : 8205120
Growing degree days from April 1 to ending date shown
Period : 19 yrs (1959–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	141	61	61	87	107	146	179	191	193	193
May 31	462	293	293	384	419	469	517	539	547	547
June 30	927	789	789	859	887	914	981	1025	1048	1048
July 31	1514	1403	1403	1432	1468	1487	1581	1611	1637	1637
August 31	2080	1957	1957	1976	2009	2068	2136	2239	2242	2242
September 30	2507	2359	2359	2364	2427	2494	2575	2654	2690	2690
October 31	2785	2596	2596	2642	2684	2805	2900	2931	2942	2942
November 30	2914	2659	2659	2727	2794	2934	3043	3079	3085	3085
Base Temperature 5°C										
April 30	36	3	3	8	11	36	55	69	71	71
May 31	204	81	81	151	184	195	236	271	282	282
June 30	520	427	427	474	478	504	555	601	641	641
July 31	951	833	833	888	912	933	989	1040	1075	1075
August 31	1362	1232	1232	1256	1310	1359	1399	1523	1525	1525
September 30	1640	1483	1483	1492	1565	1646	1730	1778	1823	1823
October 31	1770	1570	1570	1617	1665	1775	1860	1915	1916	1916
November 30	1810	1575	1575	1630	1709	1816	1933	1964	1983	1983
Base Temperature 10°C										
April 30	4	0	0	0	0	1	10	13	14	14
May 31	57	1	1	19	46	57	71	101	104	104
June 30	223	155	155	170	187	216	256	279	312	312
July 31	500	397	397	420	459	514	535	580	592	592
August 31	756	641	641	650	693	768	794	887	908	908
September 30	889	725	725	752	814	890	970	1016	1035	1035
October 31	924	736	736	778	830	917	1025	1046	1058	1058
November 30	933	736	736	781	850	936	1029	1061	1075	1075

Station : STILLWATER SHERBROOKE
Province : NOVA SCOTIA
AES # : 8205601
Growing degree days from April 1 to ending date shown
Period : 18 yrs (1968–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	118	51	48	69	97	110	157	171	179	179
May 31	385	314	298	321	339	378	432	451	473	473
June 30	802	729	693	739	751	771	851	920	936	936
July 31	1364	1250	1188	1275	1309	1339	1439	1480	1496	1496
August 31	1918	1806	1716	1823	1850	1904	1972	2055	2070	2070
September 30	2337	2221	2110	2232	2264	2334	2397	2489	2539	2539
October 31	2596	2428	2307	2460	2519	2593	2666	2752	2837	2837
November 30	2712	2505	2380	2562	2642	2714	2766	2870	2984	2984
Base Temperature 5°C										
April 30	22	2	2	2	8	20	32	54	56	56
May 31	140	86	82	91	117	133	172	193	197	197
June 30	406	327	311	341	368	385	443	507	518	518
July 31	813	717	681	722	777	795	880	897	911	911
August 31	1213	1121	1065	1126	1152	1213	1261	1318	1358	1358
September 30	1481	1372	1303	1378	1419	1471	1529	1623	1649	1649
October 31	1596	1476	1402	1487	1513	1601	1646	1738	1799	1799
November 30	1626	1490	1416	1505	1532	1620	1674	1773	1840	1840
Base Temperature 10°C										
April 30	1	0	0	0	0	0	3	5	6	6
May 31	26	1	1	4	13	26	35	52	56	56
June 30	146	80	76	106	118	144	173	196	233	233
July 31	398	320	304	332	370	395	439	456	463	463
August 31	643	564	536	568	588	648	681	715	764	764
September 30	767	645	613	672	722	767	815	876	886	886
October 31	794	666	633	698	737	802	833	905	927	927
November 30	798	667	634	699	741	802	838	909	934	934

Station : SUMMERVILLE
Province : NOVA SCOTIA
AES # : 8205650
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	132	47	49	69	106	139	159	186	195	196
May 31	440	289	301	373	404	428	506	515	525	527
June 30	892	760	770	830	842	864	950	987	1020	1025
July 31	1469	1355	1358	1382	1419	1445	1536	1578	1585	1586
August 31	2032	1919	1923	1947	1963	2019	2085	2166	2206	2210
September 30	2453	2328	2330	2343	2383	2436	2506	2612	2627	2629
October 31	2727	2553	2556	2579	2640	2718	2816	2892	2916	2918
November 30	2851	2648	2650	2665	2775	2839	2916	3039	3057	3058
Base Temperature 5°C										
April 30	34	5	5	6	20	36	45	61	72	74
May 31	190	80	86	125	164	184	230	251	263	264
June 30	493	398	398	410	456	490	537	580	605	608
July 31	915	795	798	823	871	909	966	1015	1020	1021
August 31	1323	1205	1206	1215	1257	1317	1370	1440	1488	1494
September 30	1594	1461	1464	1481	1527	1600	1639	1735	1758	1762
October 31	1720	1554	1554	1566	1648	1725	1790	1874	1890	1891
November 30	1757	1565	1567	1587	1692	1755	1830	1916	1931	1931
Base Temperature 10°C										
April 30	5	0	0	0	1	3	8	13	17	17
May 31	50	2	3	12	35	56	62	81	90	91
June 30	204	129	130	145	181	203	232	258	278	280
July 31	471	366	370	395	444	472	506	541	547	548
August 31	724	621	622	628	675	717	774	808	863	871
September 30	850	692	699	748	795	845	908	946	986	993
October 31	883	712	720	772	833	878	957	999	1012	1013
November 30	890	713	721	773	845	881	972	999	1021	1023

Station : WESTPHAL
Province : NOVA SCOTIA
AES # : 8206250
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1958–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	120	49	59	77	89	123	146	167	183	193
May 31	405	263	272	341	365	404	444	476	496	509
June 30	833	701	705	765	794	820	886	930	952	957
July 31	1389	1176	1241	1296	1353	1376	1465	1497	1504	1506
August 31	1947	1709	1773	1833	1878	1950	2013	2075	2090	2106
September 30	2381	2099	2172	2241	2302	2394	2449	2522	2543	2558
October 31	2661	2258	2387	2518	2587	2679	2741	2797	2837	2877
November 30	2794	2391	2492	2602	2737	2794	2892	2937	2984	3025
Base Temperature 5°C										
April 30	24	4	5	5	8	24	35	45	61	67
May 31	159	66	67	116	141	158	181	205	229	230
June 30	437	344	350	388	405	430	468	514	544	545
July 31	838	658	695	763	798	843	886	933	937	938
August 31	1240	1035	1080	1119	1196	1248	1300	1354	1371	1384
September 30	1525	1276	1326	1390	1463	1543	1579	1649	1673	1682
October 31	1659	1330	1423	1502	1593	1679	1736	1777	1810	1850
November 30	1697	1355	1440	1514	1648	1715	1787	1820	1860	1897
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	8	9	11
May 31	32	1	7	12	22	35	41	49	59	60
June 30	164	123	125	129	140	161	181	204	233	246
July 31	410	303	316	329	379	416	446	468	476	483
August 31	657	526	527	563	622	667	701	730	762	782
September 30	795	628	631	656	750	820	842	890	908	912
October 31	831	642	651	682	772	861	879	919	950	982
November 30	836	643	652	683	785	867	886	927	957	985

Station : WEYMOUTH FALLS
Province : NOVA SCOTIA
AES # : 8206275
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	154	73	73	84	117	156	187	229	235	235
May 31	477	308	320	395	439	479	537	557	577	581
June 30	927	776	785	845	889	915	993	1010	1016	1017
July 31	1491	1374	1374	1387	1448	1475	1542	1573	1600	1604
August 31	2039	1916	1921	1954	1972	2023	2102	2145	2157	2158
September 30	2453	2284	2294	2357	2401	2427	2534	2555	2562	2563
October 31	2735	2575	2579	2608	2671	2734	2824	2856	2868	2869
November 30	2883	2746	2746	2751	2780	2877	2974	3005	3069	3080
Base Temperature 5°C										
April 30	44	1	2	7	21	45	59	90	98	99
May 31	214	85	95	149	189	216	259	284	297	297
June 30	514	403	409	448	475	520	558	580	602	605
July 31	923	830	830	837	880	925	959	1000	1033	1037
August 31	1316	1216	1218	1229	1262	1303	1374	1421	1432	1434
September 30	1580	1434	1442	1489	1526	1571	1651	1678	1689	1690
October 31	1715	1575	1577	1600	1653	1707	1794	1829	1843	1845
November 30	1763	1631	1633	1647	1692	1758	1842	1872	1920	1928
Base Temperature 10°C										
April 30	7	0	0	0	0	4	13	22	26	27
May 31	58	2	5	23	41	58	70	99	118	120
June 30	209	130	133	156	193	211	231	257	281	284
July 31	463	357	363	401	443	466	491	522	556	561
August 31	701	592	593	610	655	703	729	796	805	806
September 30	821	713	716	732	773	833	862	907	912	913
October 31	859	759	759	762	797	869	920	956	975	977
November 30	869	761	762	773	803	873	923	958	989	994

Station : WINDSOR FALMOUTH
Province : NOVA SCOTIA
AES # : 8206405
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1962–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	138	53	54	63	107	143	168	203	219	221
May 31	451	289	301	369	404	454	504	551	556	556
June 30	920	770	781	841	875	902	971	1019	1050	1055
July 31	1515	1356	1363	1404	1457	1520	1568	1631	1649	1652
August 31	2085	1905	1916	1980	2021	2076	2148	2225	2301	2314
September 30	2509	2301	2309	2357	2418	2507	2575	2671	2732	2742
October 31	2784	2564	2570	2609	2681	2782	2867	2965	3022	3031
November 30	2904	2681	2683	2699	2793	2925	2980	3097	3169	3177
Base Temperature 5°C										
April 30	38	2	2	6	13	42	51	71	89	92
May 31	198	85	93	136	170	201	234	265	275	277
June 30	517	415	420	450	471	512	560	591	628	634
July 31	957	794	800	844	900	959	1018	1055	1081	1085
August 31	1372	1188	1199	1261	1312	1370	1437	1502	1579	1592
September 30	1647	1434	1441	1494	1563	1647	1719	1789	1858	1869
October 31	1775	1551	1559	1607	1691	1785	1867	1929	1997	2007
November 30	1810	1580	1585	1619	1731	1838	1889	1965	2044	2055
Base Temperature 10°C										
April 30	6	0	0	0	0	5	8	16	22	23
May 31	53	1	3	18	40	55	71	78	93	95
June 30	223	140	146	182	193	225	254	269	294	298
July 31	508	366	374	428	466	509	542	598	613	615
August 31	768	605	612	659	707	764	820	886	957	967
September 30	898	710	715	758	835	912	954	1010	1087	1100
October 31	932	733	738	785	863	941	1000	1047	1116	1128
November 30	939	738	742	785	868	948	1009	1049	1127	1140

Station : ALLISTON CDA EPF
Province : PRINCE EDWARD ISLAND
AES # : 8300100
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1952–81)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	90	21	24	37	65	92	110	141	154	154
May 31	360	182	221	271	327	365	403	439	449	452
June 30	796	636	660	703	749	797	847	872	929	965
July 31	1373	1201	1207	1266	1307	1375	1432	1488	1547	1565
August 31	1933	1711	1736	1776	1878	1917	2001	2064	2113	2122
September 30	2348	2094	2126	2166	2275	2359	2443	2482	2542	2568
October 31	2613	2366	2388	2421	2537	2618	2702	2753	2807	2826
November 30	2726	2475	2489	2517	2630	2749	2826	2891	2915	2917
Base Temperature 5°C										
April 30	16	0	0	2	4	14	24	32	45	55
May 31	140	31	48	71	117	139	167	199	216	221
June 30	426	335	337	355	377	428	477	489	544	561
July 31	848	680	694	742	802	855	899	968	1004	1041
August 31	1253	1060	1066	1097	1193	1263	1316	1386	1416	1426
September 30	1518	1293	1306	1336	1453	1538	1597	1647	1677	1704
October 31	1638	1423	1425	1433	1577	1657	1711	1776	1799	1822
November 30	1668	1430	1440	1470	1610	1671	1752	1821	1830	1835
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	8	11	14
May 31	37	0	3	10	20	36	52	65	72	75
June 30	179	93	108	125	148	179	205	234	253	259
July 31	445	301	329	358	403	455	479	538	575	590
August 31	695	535	542	559	644	698	756	807	822	824
September 30	816	636	639	659	762	822	885	933	947	954
October 31	845	653	654	684	787	861	918	971	975	975
November 30	849	654	654	687	788	864	920	975	986	988

Station : ELLERSLIE
Province : PRINCE EDWARD ISLAND
AES # : 8300420
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1965–86)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	84	16	18	35	54	89	99	137	164	168
May 31	357	186	199	274	323	345	393	462	472	473
June 30	806	650	662	731	747	802	842	944	949	949
July 31	1396	1290	1292	1306	1340	1379	1462	1517	1536	1539
August 31	1964	1849	1851	1859	1877	1961	2043	2098	2103	2103
September 30	2372	2197	2205	2257	2305	2351	2444	2513	2580	2590
October 31	2621	2414	2422	2471	2532	2626	2703	2763	2880	2900
November 30	2717	2457	2465	2517	2612	2734	2798	2886	3015	3034
Base Temperature 5°C										
April 30	18	0	0	1	6	15	26	39	66	71
May 31	148	37	42	79	126	143	170	221	235	237
June 30	447	351	356	383	391	455	478	555	568	570
July 31	882	780	780	784	841	869	947	972	1014	1021
August 31	1295	1164	1164	1177	1217	1306	1368	1402	1412	1414
September 30	1553	1361	1373	1440	1477	1547	1618	1673	1722	1730
October 31	1661	1441	1454	1526	1597	1650	1735	1792	1873	1886
November 30	1687	1446	1459	1532	1625	1695	1755	1828	1911	1923
Base Temperature 10°C										
April 30	3	0	0	0	0	1	3	12	14	14
May 31	43	1	3	13	27	45	58	73	83	85
June 30	198	116	120	144	156	207	230	259	272	273
July 31	477	375	376	391	435	483	519	563	572	573
August 31	735	590	592	615	675	757	801	823	846	850
September 30	850	664	676	747	810	857	922	954	961	962
October 31	877	678	691	771	825	876	956	991	1019	1022
November 30	882	678	691	772	831	880	956	1009	1023	1023

Station : MONTICELLO ARMADALE
Province : PRINCE EDWARD ISLAND
AES # : 8300447
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1961–81)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	65	14	15	22	34	68	84	120	125	125
May 31	300	149	155	214	265	296	326	415	438	439
June 30	722	584	588	625	670	704	762	862	884	886
July 31	1279	1113	1115	1143	1233	1261	1348	1419	1461	1465
August 31	1828	1640	1644	1688	1757	1820	1916	1973	2003	2006
September 30	2227	2019	2023	2067	2148	2229	2315	2383	2413	2415
October 31	2485	2274	2276	2295	2387	2485	2595	2629	2681	2687
November 30	2595	2380	2380	2384	2458	2614	2707	2776	2841	2846
Base Temperature 5°C										
April 30	13	0	0	0	4	11	17	38	44	44
May 31	113	22	24	47	89	111	137	196	208	208
June 30	385	302	303	307	322	377	425	487	516	519
July 31	787	619	623	668	713	799	856	914	940	942
August 31	1181	991	995	1035	1094	1187	1261	1305	1326	1328
September 30	1430	1220	1224	1270	1330	1435	1525	1557	1585	1588
October 31	1544	1326	1329	1363	1450	1531	1636	1705	1711	1711
November 30	1571	1349	1350	1371	1456	1579	1664	1752	1760	1761
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	11	17	18
May 31	32	0	1	7	15	28	44	69	75	75
June 30	165	84	85	102	132	156	201	228	236	236
July 31	413	269	274	320	359	413	475	502	528	530
August 31	652	486	488	505	593	659	730	757	795	799
September 30	758	574	575	598	690	766	842	867	922	928
October 31	787	593	594	618	717	787	874	915	964	969
November 30	791	597	598	618	717	791	874	925	987	993

Station : O'LEARY
Province : PRINCE EDWARD ISLAND
AES # : 8300525
Growing degree days from April 1 to ending date shown
Period : 27 yrs (1961–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	77	9	15	25	51	75	110	128	143	150
May 31	345	167	201	266	304	345	397	438	464	476
June 30	782	618	657	719	732	766	804	906	941	957
July 31	1347	1165	1195	1250	1292	1333	1408	1461	1520	1554
August 31	1894	1688	1728	1795	1803	1901	1964	2023	2077	2105
September 30	2291	2064	2088	2143	2217	2291	2386	2455	2503	2519
October 31	2531	2303	2309	2364	2433	2538	2630	2688	2771	2784
November 30	2615	2352	2365	2395	2548	2614	2709	2779	2896	2920
Base Temperature 5°C										
April 30	14	0	0	0	2	12	18	37	51	57
May 31	137	27	41	86	118	136	161	191	225	244
June 30	424	328	333	358	382	419	444	513	557	574
July 31	834	648	689	757	782	825	881	928	982	1016
August 31	1226	1016	1048	1104	1170	1225	1293	1342	1385	1412
September 30	1473	1242	1256	1323	1417	1477	1560	1608	1656	1677
October 31	1572	1335	1335	1393	1506	1582	1657	1706	1781	1803
November 30	1591	1339	1342	1396	1515	1597	1668	1735	1810	1836
Base Temperature 10°C										
April 30	1	0	0	0	0	0	1	7	10	11
May 31	34	0	4	12	23	34	46	56	68	74
June 30	175	89	106	133	152	174	199	230	256	256
July 31	431	283	303	358	402	433	461	527	538	542
August 31	667	497	512	535	629	674	728	769	790	794
September 30	773	578	579	623	714	779	866	879	896	904
October 31	793	586	590	631	729	794	894	906	934	950
November 30	795	586	590	631	742	801	894	910	936	953

Station : STANHOPE
Province : PRINCE EDWARD ISLAND
AES # : 8300590
Growing degree days from April 1 to ending date shown
Period : 23 yrs (1965–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	83	20	22	33	57	69	114	144	152	153
May 31	343	185	191	237	300	342	401	447	465	469
June 30	786	645	646	672	723	787	827	912	927	930
July 31	1373	1198	1213	1277	1317	1355	1441	1481	1530	1540
August 31	1941	1776	1788	1840	1876	1918	2018	2056	2088	2096
September 30	2359	2186	2192	2224	2294	2357	2448	2490	2526	2532
October 31	2625	2375	2391	2467	2560	2610	2717	2785	2813	2816
November 30	2733	2478	2485	2523	2652	2740	2847	2902	2967	2977
Base Temperature 5°C										
April 30	20	1	1	2	7	18	35	46	57	60
May 31	139	35	37	63	109	140	168	216	229	229
June 30	432	331	334	353	385	438	468	518	553	561
July 31	864	724	731	764	808	888	914	949	1004	1017
August 31	1277	1147	1148	1161	1193	1284	1351	1382	1413	1417
September 30	1545	1365	1373	1417	1467	1567	1610	1658	1697	1704
October 31	1665	1456	1460	1500	1591	1666	1754	1788	1828	1837
November 30	1695	1463	1469	1513	1650	1718	1771	1825	1872	1884
Base Temperature 10°C										
April 30	3	0	0	0	0	2	4	12	17	18
May 31	41	1	2	9	21	46	53	78	87	87
June 30	190	126	127	132	150	191	222	247	266	271
July 31	467	352	359	390	417	470	509	541	569	572
August 31	725	590	593	617	660	728	776	820	840	845
September 30	848	662	683	770	773	849	901	964	977	979
October 31	878	677	699	790	799	884	931	996	1021	1024
November 30	884	677	699	790	817	896	931	1002	1041	1048

Station : BAIE VERTE
Province : NEWFOUNDLAND
AES # : 8400350
Growing degree days from April 1 to ending date shown
Period : 29 yrs (1959–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	40	4	7	14	20	36	54	82	107	109
May 31	198	75	87	122	152	188	245	285	320	335
June 30	520	400	402	438	457	512	572	632	687	714
July 31	1004	808	817	837	927	1022	1068	1139	1185	1216
August 31	1460	1214	1231	1285	1358	1475	1560	1647	1663	1670
September 30	1772	1439	1498	1589	1681	1773	1895	1971	1989	1993
October 31	1931	1568	1626	1755	1818	1937	2065	2150	2172	2192
November 30	1986	1599	1657	1784	1853	2006	2122	2202	2251	2287
Base Temperature 5°C										
April 30	5	0	0	0	0	1	7	13	32	33
May 31	51	4	8	14	27	37	72	111	135	146
June 30	227	135	141	151	179	229	260	294	365	408
July 31	556	385	404	431	490	567	624	657	708	754
August 31	857	672	674	687	763	861	932	1023	1059	1078
September 30	1021	756	795	840	932	1013	1132	1190	1240	1274
October 31	1065	788	827	883	963	1048	1184	1242	1304	1346
November 30	1073	790	834	883	964	1054	1198	1244	1324	1375
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	3	4
May 31	9	0	0	0	1	4	10	35	47	51
June 30	73	16	17	22	48	77	93	113	150	183
July 31	251	125	133	148	194	257	299	341	368	374
August 31	401	255	263	274	327	399	467	523	585	628
September 30	448	286	290	307	358	453	523	586	640	689
October 31	454	289	293	309	362	456	530	590	649	706
November 30	455	289	293	310	362	456	531	591	651	711

Station : BAY D'ESPOIR GEN STN
Province : NEWFOUNDLAND
AES # : 8400413
Growing degree days from April 1 to ending date shown
Period : 20 yrs (1968–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	94	30	30	40	63	82	122	171	203	205
May 31	325	192	194	228	273	305	396	430	456	457
June 30	687	583	583	592	631	664	748	815	845	846
July 31	1185	1030	1032	1077	1120	1182	1246	1320	1371	1373
August 31	1676	1520	1521	1540	1598	1677	1752	1834	1842	1842
September 30	2029	1890	1891	1906	1950	1993	2135	2184	2226	2228
October 31	2235	2075	2076	2104	2128	2213	2344	2423	2468	2470
November 30	2319	2138	2139	2163	2214	2298	2413	2532	2556	2557
Base Temperature 5°C										
April 30	19	0	0	0	5	14	23	64	92	93
May 31	105	27	28	48	71	88	155	177	191	192
June 30	317	239	239	244	279	303	347	425	430	430
July 31	661	526	528	572	613	665	700	774	801	802
August 31	997	835	836	866	950	1004	1049	1113	1138	1139
September 30	1200	1072	1072	1082	1137	1178	1286	1334	1351	1352
October 31	1274	1140	1140	1147	1196	1261	1356	1434	1460	1461
November 30	1292	1148	1148	1160	1211	1287	1375	1464	1476	1476
Base Temperature 10°C										
April 30	2	0	0	0	0	0	2	19	21	21
May 31	15	0	0	1	5	10	27	39	39	39
June 30	91	34	34	46	78	88	106	122	154	156
July 31	279	209	209	212	247	279	302	347	354	354
August 31	461	323	325	369	427	476	497	536	556	557
September 30	533	435	435	442	489	531	593	620	626	626
October 31	546	451	451	453	499	551	602	633	641	641
November 30	548	451	451	453	499	553	603	633	644	644

Station : BONAVISTA
Province : NEWFOUNDLAND
AES # : 8400600
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1958–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	45	3	10	15	24	33	56	104	112	118
May 31	197	101	105	112	147	185	235	300	318	323
June 30	486	313	326	346	422	492	543	615	632	640
July 31	944	695	723	762	881	968	1018	1057	1089	1104
August 31	1409	1115	1118	1201	1349	1449	1517	1542	1589	1623
September 30	1758	1461	1475	1520	1696	1766	1865	1911	1970	1985
October 31	1976	1683	1685	1745	1901	1979	2094	2175	2211	2232
November 30	2077	1753	1757	1864	1968	2069	2192	2303	2373	2400
Base Temperature 5°C										
April 30	5	0	0	0	0	1	5	23	32	40
May 31	50	2	7	14	24	46	81	98	107	113
June 30	196	70	81	99	158	208	241	273	301	305
July 31	499	314	318	339	452	522	560	590	608	628
August 31	809	548	572	604	748	820	877	951	977	1007
September 30	1008	744	756	811	952	1019	1070	1163	1209	1253
October 31	1086	818	832	873	1031	1098	1164	1245	1339	1377
November 30	1104	818	848	878	1046	1113	1180	1267	1386	1433
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	1	6	9
May 31	7	0	0	0	1	5	11	21	24	25
June 30	55	3	4	13	32	57	78	92	106	119
July 31	210	93	107	124	165	220	254	281	295	303
August 31	367	192	206	227	325	373	420	466	514	572
September 30	430	249	258	268	383	425	491	540	608	669
October 31	441	258	264	273	390	443	501	564	630	702
November 30	442	258	264	274	391	443	502	564	636	711

Station : BUCHANS
Province : NEWFOUNDLAND
AES # : 8400698
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	50	4	5	13	23	37	68	126	153	155
May 31	242	113	115	135	192	221	308	365	380	382
June 30	603	491	493	509	545	576	670	737	766	770
July 31	1111	932	938	985	1041	1103	1185	1243	1295	1304
August 31	1587	1357	1364	1423	1513	1592	1672	1716	1765	1772
September 30	1908	1731	1731	1739	1821	1903	2021	2044	2082	2089
October 31	2073	1858	1864	1908	1960	2060	2192	2255	2282	2284
November 30	2128	1888	1897	1953	2021	2124	2239	2306	2359	2368
Base Temperature 5°C										
April 30	8	0	0	0	0	1	10	33	60	63
May 31	75	4	6	19	44	62	104	150	163	165
June 30	287	168	174	215	254	282	323	359	422	432
July 31	640	482	488	527	600	645	682	729	800	811
August 31	961	712	729	829	924	976	1024	1076	1118	1124
September 30	1133	936	941	981	1079	1125	1206	1283	1291	1291
October 31	1183	998	998	1011	1116	1177	1273	1341	1363	1364
November 30	1194	998	998	1013	1128	1195	1280	1361	1388	1389
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	3	8	9
May 31	13	0	0	0	4	9	15	43	52	53
June 30	97	26	27	39	88	101	111	125	168	175
July 31	296	185	190	221	252	292	325	393	398	398
August 31	464	278	290	362	421	463	512	558	619	630
September 30	515	363	368	401	475	501	553	622	684	693
October 31	523	377	380	404	477	511	561	628	697	708
November 30	524	377	380	404	477	513	561	629	702	714

Station : COMFORT COVE
Province : NEWFOUNDLAND
AES # : 8401259
Growing degree days from April 1 to ending date shown
Period : 21 yrs (1967–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	62	7	8	21	31	52	84	144	176	179
May 31	256	109	115	170	197	232	315	377	429	434
June 30	602	438	439	453	547	585	675	748	778	781
July 31	1112	870	873	915	1051	1126	1166	1270	1275	1275
August 31	1584	1268	1272	1332	1525	1613	1660	1751	1798	1803
September 30	1909	1623	1626	1665	1840	1913	2022	2113	2135	2136
October 31	2085	1795	1800	1849	1991	2077	2206	2311	2340	2343
November 30	2152	1843	1846	1887	2036	2140	2263	2399	2464	2471
Base Temperature 5°C										
April 30	15	0	0	0	1	9	18	55	85	88
May 31	88	7	10	37	52	69	139	162	194	197
June 30	290	147	152	195	258	289	330	391	435	439
July 31	645	446	449	487	618	659	693	742	803	809
August 31	962	661	672	772	937	984	1010	1128	1152	1154
September 30	1138	866	874	949	1095	1145	1204	1308	1370	1376
October 31	1195	935	941	992	1139	1202	1262	1386	1461	1468
November 30	1210	935	941	994	1139	1220	1273	1408	1506	1516
Base Temperature 10°C										
April 30	2	0	0	0	0	0	1	12	21	22
May 31	20	0	0	2	5	13	34	56	71	72
June 30	105	27	27	35	85	111	128	147	197	203
July 31	308	177	179	204	261	320	353	403	420	421
August 31	474	257	264	334	433	488	527	584	669	678
September 30	529	329	333	381	466	543	582	637	745	757
October 31	540	344	347	386	478	551	594	653	771	784
November 30	542	344	347	387	478	551	596	656	782	796

Station : DEER LAKE A
Province : NEWFOUNDLAND
AES # : 8401501
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	66	16	18	27	39	55	87	144	167	168
May 31	272	159	160	168	213	269	318	391	407	409
June 30	631	543	543	545	558	617	671	770	826	833
July 31	1141	990	993	1019	1060	1143	1199	1274	1344	1352
August 31	1615	1417	1418	1433	1550	1622	1694	1745	1829	1843
September 30	1933	1697	1707	1771	1827	1946	2020	2095	2161	2172
October 31	2101	1829	1838	1904	2009	2116	2182	2299	2351	2360
November 30	2164	1888	1894	1940	2046	2185	2268	2399	2439	2442
Base Temperature 5°C										
April 30	12	0	0	0	1	7	14	49	71	73
May 31	85	10	12	29	57	72	107	158	183	187
June 30	294	197	201	222	263	284	317	385	452	461
July 31	649	495	499	525	599	656	699	744	814	825
August 31	968	745	747	784	905	992	1017	1112	1157	1161
September 30	1138	876	893	992	1061	1139	1209	1312	1343	1344
October 31	1188	905	924	1038	1112	1196	1253	1387	1413	1413
November 30	1203	909	927	1040	1114	1210	1271	1405	1456	1460
Base Temperature 10°C										
April 30	2	0	0	0	0	0	0	11	14	14
May 31	16	0	0	1	6	12	20	45	54	55
June 30	97	31	32	42	83	97	113	133	179	187
July 31	299	183	186	207	250	303	332	388	395	396
August 31	466	285	286	313	415	475	515	572	653	666
September 30	518	308	319	389	472	520	563	629	722	736
October 31	526	309	321	399	481	532	577	639	742	757
November 30	529	309	321	401	481	534	578	641	754	771

Station : EXPLOITS DAM
Province : NEWFOUNDLAND
AES # : 8401550
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1958–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	53	1	8	20	28	42	75	95	153	165
May 31	239	123	128	139	192	227	292	356	367	369
June 30	574	462	470	484	508	560	627	698	745	759
July 31	1057	890	899	926	988	1052	1121	1162	1253	1274
August 31	1514	1322	1330	1356	1422	1529	1585	1657	1703	1744
September 30	1825	1614	1619	1661	1723	1832	1908	1997	2041	2064
October 31	1990	1775	1785	1797	1873	1989	2105	2178	2232	2256
November 30	2051	1822	1823	1836	1943	2042	2144	2257	2298	2333
Base Temperature 5°C										
April 30	8	0	0	0	0	3	10	18	58	68
May 31	66	2	8	20	39	56	94	131	142	149
June 30	252	181	184	188	198	253	292	320	371	402
July 31	580	441	453	472	513	595	628	675	724	762
August 31	882	699	707	736	798	904	946	974	1057	1077
September 30	1044	850	857	917	938	1058	1123	1173	1245	1246
October 31	1091	894	899	951	986	1105	1181	1250	1315	1318
November 30	1101	902	903	952	995	1115	1187	1253	1339	1349
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	1	9	10
May 31	9	0	0	0	1	7	12	23	36	38
June 30	72	23	29	33	50	77	89	96	129	146
July 31	246	147	148	161	207	246	285	339	355	359
August 31	396	259	263	289	343	401	450	481	544	584
September 30	442	296	307	329	375	454	496	544	597	647
October 31	448	302	310	334	377	460	506	545	612	666
November 30	449	302	310	334	377	460	506	546	616	673

Station : NEW CHELSEA
Province : NEWFOUNDLAND
AES # : 8402840
Growing degree days from April 1 to ending date shown
Period : 25 yrs (1963–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	76	19	23	35	50	68	97	141	154	155
May 31	274	171	176	194	226	254	318	395	415	415
June 30	607	484	488	500	553	618	645	748	759	761
July 31	1095	898	914	958	1027	1105	1141	1227	1270	1286
August 31	1581	1344	1344	1353	1528	1599	1656	1740	1768	1772
September 30	1950	1672	1690	1741	1893	1941	2058	2127	2148	2149
October 31	2190	1878	1907	1983	2118	2168	2283	2396	2423	2426
November 30	2308	1959	1992	2069	2194	2286	2429	2534	2584	2603
Base Temperature 5°C										
April 30	12	0	0	1	3	7	14	36	59	63
May 31	80	14	15	29	51	66	109	146	160	161
June 30	265	159	164	180	224	265	315	349	355	358
July 31	599	442	447	472	544	610	654	686	724	737
August 31	930	698	700	732	877	943	1005	1064	1093	1100
September 30	1148	885	900	966	1102	1146	1241	1301	1340	1349
October 31	1245	958	982	1059	1173	1246	1353	1395	1473	1494
November 30	1274	962	987	1065	1205	1264	1382	1425	1529	1566
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	2	12	16
May 31	12	0	0	0	3	8	19	29	39	43
June 30	77	13	13	28	55	76	97	117	138	143
July 31	258	159	162	175	208	270	300	332	339	341
August 31	434	247	249	293	380	446	493	531	598	614
September 30	514	300	313	367	468	527	569	622	697	714
October 31	531	309	323	389	483	554	585	636	726	754
November 30	535	309	323	389	486	554	590	637	735	766

Station : PORT AUX BASQUES
Province: NEWFOUNDLAND
AES # : 8402975
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1956–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	44	10	14	22	28	42	52	75	101	110
May 31	195	108	116	132	163	188	221	263	292	300
June 30	466	376	377	384	431	455	507	563	590	608
July 31	879	743	752	785	828	873	940	1005	1039	1053
August 31	1336	1185	1194	1204	1276	1325	1402	1480	1523	1553
September 30	1680	1520	1522	1537	1600	1667	1748	1808	1900	1913
October 31	1896	1683	1698	1747	1822	1891	1962	2065	2122	2138
November 30	1998	1753	1763	1813	1927	1994	2084	2201	2220	2237
Base Temperature 5°C										
April 30	2	0	0	0	0	0	2	8	14	17
May 31	27	4	5	7	15	26	40	46	68	72
June 30	148	100	103	110	124	141	171	198	216	236
July 31	407	321	321	326	365	406	443	487	508	515
August 31	708	608	609	611	653	694	758	817	851	873
September 30	903	790	792	796	840	892	984	1018	1052	1082
October 31	976	830	845	861	909	956	1050	1116	1129	1136
November 30	992	832	847	870	943	978	1073	1140	1147	1151
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	0	0	0	0	0	0	0	2	4	5
June 30	15	1	1	4	9	14	22	25	35	39
July 31	119	59	65	74	91	121	147	163	175	188
August 31	266	185	187	202	231	256	294	353	372	380
September 30	324	242	244	246	277	304	364	427	439	450
October 31	330	242	244	253	281	311	380	435	446	452
November 30	330	242	244	253	281	313	380	435	446	452

Station : RATTLING BRK NORRIS ARM
Province : NEWFOUNDLAND
AES # : 8403085
Growing degree days from April 1 to ending date shown
Period : 29 yrs (1959–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	80	19	28	37	52	67	100	161	198	214
May 31	315	179	193	225	272	292	352	442	488	513
June 30	701	561	564	599	631	687	750	846	894	904
July 31	1251	1042	1047	1107	1172	1268	1314	1395	1443	1443
August 31	1764	1520	1521	1562	1663	1781	1845	1923	1980	2009
September 30	2121	1882	1884	1920	2012	2129	2221	2307	2365	2377
October 31	2328	2053	2070	2126	2196	2313	2475	2546	2598	2611
November 30	2415	2113	2151	2201	2264	2387	2539	2665	2727	2770
Base Temperature 5°C										
April 30	17	0	0	1	3	8	22	46	94	109
May 31	115	16	24	69	79	102	163	205	232	249
June 30	353	232	238	255	285	351	387	484	494	498
July 31	748	556	569	584	674	772	798	873	895	900
August 31	1106	842	874	912	1012	1138	1184	1254	1306	1327
September 30	1313	1086	1089	1116	1213	1328	1402	1470	1541	1579
October 31	1390	1144	1155	1178	1270	1395	1489	1581	1649	1695
November 30	1413	1170	1170	1189	1300	1434	1507	1604	1699	1757
Base Temperature 10°C										
April 30	3	0	0	0	0	0	2	6	32	40
May 31	29	0	3	5	10	22	46	71	84	96
June 30	139	57	58	73	104	139	172	190	226	249
July 31	380	226	241	276	333	388	435	455	496	496
August 31	585	369	398	432	510	610	643	693	752	809
September 30	663	475	478	493	586	677	728	784	857	916
October 31	679	477	490	512	602	697	738	801	898	954
November 30	683	478	491	512	605	698	740	803	909	970

Station : SEAL COVE
Province : NEWFOUNDLAND
AES # : 8403650
Growing degree days from April 1 to ending date shown
Period : 23 yrs (1963–85)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	90	31	35	51	63	82	111	154	166	167
May 31	313	217	219	233	279	291	339	447	468	469
June 30	672	548	551	567	608	668	714	815	840	844
July 31	1192	1002	1010	1071	1127	1200	1241	1328	1354	1360
August 31	1694	1452	1458	1514	1608	1700	1788	1845	1891	1901
September 30	2072	1836	1846	1898	2002	2063	2190	2241	2268	2274
October 31	2318	2104	2108	2139	2225	2286	2396	2513	2529	2533
November 30	2445	2185	2191	2240	2328	2402	2560	2663	2719	2732
Base Temperature 5°C										
April 30	15	0	0	2	5	10	23	38	52	55
May 31	100	28	28	39	70	89	130	179	206	210
June 30	310	204	206	215	270	309	346	399	431	438
July 31	675	515	518	548	613	697	742	764	789	794
August 31	1023	783	795	858	934	1034	1118	1168	1180	1183
September 30	1250	1017	1032	1092	1177	1248	1325	1404	1442	1449
October 31	1353	1132	1144	1190	1277	1335	1446	1498	1578	1598
November 30	1387	1138	1150	1201	1301	1359	1491	1532	1649	1676
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	3	4	4
May 31	17	0	0	1	4	16	26	46	52	53
June 30	103	27	27	39	75	108	131	152	177	182
July 31	314	200	205	227	263	326	364	384	391	392
August 31	508	307	322	391	408	526	571	622	676	685
September 30	596	392	406	466	530	605	647	716	790	802
October 31	618	408	422	492	542	634	680	726	828	849
November 30	624	408	422	492	553	634	681	732	841	864

Station : SPRINGDALE
Province: NEWFOUNDLAND
AES # : 8403700
Growing degree days from April 1 to ending date shown
Period : 26 yrs (1956–81)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	57	9	15	27	41	46	77	93	103	105
May 31	256	126	140	176	217	246	293	363	402	409
June 30	614	475	494	532	550	597	664	738	805	822
July 31	1132	923	929	991	1065	1145	1184	1250	1333	1357
August 31	1619	1388	1393	1434	1552	1630	1692	1816	1840	1852
September 30	1952	1702	1706	1748	1863	1930	2061	2169	2179	2180
October 31	2141	1854	1861	1925	2021	2153	2279	2356	2389	2397
November 30	2217	1905	1919	1981	2055	2237	2353	2457	2504	2522
Base Temperature 5°C										
April 30	6	0	0	0	1	3	10	19	22	22
May 31	76	9	14	30	52	62	100	152	176	183
June 30	286	206	208	211	222	283	323	381	443	468
July 31	648	474	485	518	576	661	691	762	821	847
August 31	981	781	788	801	921	993	1023	1150	1210	1222
September 30	1165	931	944	983	1093	1152	1232	1342	1410	1434
October 31	1229	975	992	1029	1141	1234	1326	1432	1492	1523
November 30	1246	985	999	1033	1143	1252	1338	1448	1529	1570
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	1	3	4
May 31	16	0	0	1	4	8	21	52	60	60
June 30	103	36	40	53	77	100	126	145	204	229
July 31	313	177	186	223	275	319	347	404	452	454
August 31	493	326	327	335	446	505	523	610	705	740
September 30	553	363	368	401	513	557	601	677	766	811
October 31	564	366	374	411	529	569	610	697	785	829
November 30	565	366	374	411	529	569	611	698	793	842

Station : ST LAWRENCE
Province : NEWFOUNDLAND
AES # : 8403615
Growing degree days from April 1 to ending date shown
Period : 22 yrs (1966–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	56	20	20	23	36	56	70	90	127	133
May 31	213	124	125	135	172	208	257	295	339	345
June 30	473	365	368	384	417	451	538	583	652	664
July 31	868	725	731	764	787	829	934	1055	1126	1138
August 31	1309	1159	1162	1182	1215	1256	1377	1565	1586	1586
September 30	1656	1511	1511	1514	1554	1620	1725	1921	1969	1974
October 31	1878	1716	1718	1736	1772	1848	1930	2151	2218	2228
November 30	1987	1801	1802	1812	1873	1940	2062	2241	2315	2327
Base Temperature 5°C										
April 30	4	0	0	0	0	2	6	16	22	23
May 31	34	2	2	7	17	24	54	77	88	88
June 30	145	86	88	100	110	130	178	218	249	254
July 31	385	294	294	299	330	357	425	535	567	573
August 31	671	554	555	563	597	643	717	858	905	912
September 30	868	712	720	763	786	845	934	1088	1113	1115
October 31	950	797	804	847	865	936	999	1175	1208	1214
November 30	972	816	821	854	875	943	1029	1190	1226	1232
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	1	1	1
May 31	1	0	0	0	0	0	3	5	6	6
June 30	12	1	1	1	3	12	16	29	39	41
July 31	100	45	47	55	73	87	114	195	203	204
August 31	231	152	154	163	188	218	251	349	400	408
September 30	292	197	199	212	233	281	339	432	466	471
October 31	303	209	210	220	239	286	347	456	471	474
November 30	303	209	210	220	239	286	348	457	472	474

Station : TERRA NOVA NAT PARK HQ
Province : NEWFOUNDLAND
AES # : 8403852
Growing degree days from April 1 to ending date shown
Period : 26 yrs (1962–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	67	12	16	26	42	60	81	140	160	168
May 31	275	153	166	191	214	254	343	387	437	458
June 30	622	481	486	511	533	617	674	773	803	811
July 31	1128	927	933	951	1056	1143	1188	1307	1332	1344
August 31	1615	1284	1309	1377	1556	1619	1724	1804	1845	1865
September 30	1965	1617	1640	1726	1896	1969	2078	2174	2207	2225
October 31	2165	1813	1838	1934	2031	2158	2304	2418	2427	2429
November 30	2249	1875	1894	1988	2109	2237	2406	2523	2573	2585
Base Temperature 5°C										
April 30	11	0	0	0	1	4	15	36	68	72
May 31	91	16	21	32	54	73	145	163	186	198
June 30	290	182	183	187	220	297	338	402	412	417
July 31	642	450	457	483	586	657	711	762	803	804
August 31	973	637	673	745	930	988	1063	1146	1163	1171
September 30	1173	822	858	951	1095	1187	1273	1356	1396	1417
October 31	1245	880	921	1019	1127	1258	1355	1443	1504	1532
November 30	1264	884	924	1038	1151	1270	1379	1467	1550	1584
Base Temperature 10°C										
April 30	1	0	0	0	0	0	0	5	17	18
May 31	19	0	0	1	7	10	27	54	60	63
June 30	98	20	24	33	73	103	126	144	165	176
July 31	298	160	164	184	254	309	353	391	402	406
August 31	478	223	248	296	428	496	544	595	652	681
September 30	547	284	306	374	490	570	631	669	741	778
October 31	559	288	312	385	498	588	645	682	769	814
November 30	561	288	312	387	498	589	648	686	777	824

Station : BATTLE HARBOUR LOR
Province : LABRADOR
AES # : 8500398
Growing degree days from April 1 to ending date shown
Period : 25 yrs (1958–82)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	9	0	0	1	4	7	15	17	19	19
May 31	78	23	26	33	58	67	105	126	138	141
June 30	261	158	161	177	221	258	309	329	395	421
July 31	578	436	441	459	516	586	640	661	727	755
August 31	917	771	774	790	825	917	992	1050	1094	1095
September 30	1166	1034	1034	1035	1069	1163	1266	1304	1359	1375
October 31	1280	1117	1118	1134	1186	1269	1382	1427	1499	1528
November 30	1312	1126	1129	1164	1202	1300	1415	1464	1558	1591
Base Temperature 5°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	6	0	0	0	1	3	10	22	28	30
June 30	59	13	15	28	35	55	76	100	146	161
July 31	222	135	136	146	183	222	248	297	329	339
August 31	406	286	292	306	365	408	442	510	565	584
September 30	508	392	395	405	453	491	563	615	691	715
October 31	523	398	404	424	465	506	575	627	720	753
November 30	525	398	404	424	465	506	576	627	729	766
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	0	0	0	0	0	0	0	1	2	2
June 30	7	0	0	0	2	4	11	22	32	33
July 31	47	11	13	21	34	42	59	83	88	90
August 31	93	15	23	45	76	94	103	139	193	210
September 30	107	28	36	62	84	105	119	163	217	237
October 31	107	28	36	63	84	105	119	163	220	240
November 30	107	28	36	63	84	105	119	163	220	240

Station : CHURCHILL FALLS A
Province : LABRADOR
AES # : 8501132
Growing degree days from April 1 to ending date shown
Period : 19 yrs (1969–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	20	0	0	0	2	6	45	52	76	76
May 31	127	48	48	58	69	121	175	209	270	270
June 30	410	277	277	300	354	401	454	548	621	621
July 31	836	723	723	730	771	809	879	1038	1041	1041
August 31	1212	1061	1061	1095	1142	1211	1252	1404	1467	1467
September 30	1403	1214	1214	1233	1334	1404	1466	1574	1663	1663
October 31	1446	1247	1247	1248	1366	1435	1522	1609	1711	1711
November 30	1452	1248	1248	1271	1370	1439	1522	1611	1720	1720
Base Temperature 5°C										
April 30	2	0	0	0	0	0	5	9	15	15
May 31	29	4	4	5	8	22	48	66	111	111
June 30	173	98	98	117	135	167	185	257	316	316
July 31	443	369	369	375	394	425	492	581	591	591
August 31	665	565	565	583	615	666	695	789	866	866
September 30	733	600	600	604	672	728	791	836	928	928
October 31	739	606	606	610	674	753	798	837	930	930
November 30	740	610	610	615	674	753	798	837	931	931
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	1	1
May 31	5	0	0	0	0	2	5	18	37	37
June 30	54	20	20	28	35	44	69	95	123	123
July 31	177	133	133	137	146	164	202	242	267	267
August 31	261	180	180	220	226	258	280	306	391	391
September 30	274	182	182	221	244	277	303	318	400	400
October 31	274	182	182	222	244	277	303	318	400	400
November 30	274	182	182	222	244	277	303	318	400	400

Station : HOPEDALE
Province : LABRADOR
AES # : 8502400
Growing degree days from April 1 to ending date shown
Period : 30 yrs (1954–83)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	10	0	0	0	3	7	15	22	38	53
May 31	69	23	25	29	40	66	84	118	153	162
June 30	254	146	148	154	209	238	305	350	384	416
July 31	572	411	425	448	504	562	649	714	749	754
August 31	902	697	729	768	825	879	965	1083	1127	1142
September 30	1117	896	899	937	1031	1098	1209	1288	1374	1389
October 31	1193	941	959	1005	1103	1182	1308	1371	1475	1495
November 30	1207	946	961	1019	1129	1192	1312	1401	1499	1525
Base Temperature 5°C										
April 30	0	0	0	0	0	0	0	2	2	2
May 31	7	0	0	0	2	4	7	19	38	39
June 30	74	15	18	22	49	69	90	145	158	166
July 31	240	133	139	174	198	235	278	328	365	371
August 31	415	265	300	330	353	392	467	518	598	627
September 30	492	339	351	366	435	471	562	608	701	733
October 31	502	353	360	370	452	480	577	617	712	751
November 30	503	353	362	377	452	481	577	617	714	754
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	0	0	0	0	0	0	0	0	5	9
June 30	16	0	0	0	6	12	24	37	61	68
July 31	74	22	30	37	54	76	88	128	135	138
August 31	127	45	63	83	96	119	158	196	224	255
September 30	140	57	70	87	108	129	166	215	248	273
October 31	140	57	70	88	108	129	166	215	248	273
November 30	140	57	70	88	108	129	166	215	248	273

Station : WABUSH LAKE A
Province : LABRADOR
AES # : 8504175
Growing degree days from April 1 to ending date shown
Period : 27 yrs (1961–87)

			Probability of occurrence (%)							
End Date	Mean	Lowest	5	10	25	50	75	90	95	Highest
Base Temperature 0°C										
April 30	17	0	0	0	4	8	31	48	57	60
May 31	123	64	66	72	83	104	157	191	239	249
June 30	415	291	308	334	355	419	455	529	579	605
July 31	832	651	682	732	764	827	894	968	1031	1045
August 31	1201	948	998	1090	1108	1210	1270	1348	1431	1450
September 30	1397	1114	1159	1257	1301	1365	1492	1577	1615	1639
October 31	1444	1125	1183	1284	1356	1444	1539	1617	1666	1686
November 30	1450	1125	1190	1291	1371	1444	1543	1620	1672	1694
Base Temperature 5°C										
April 30	1	0	0	0	0	0	3	5	7	7
May 31	26	3	4	6	8	21	33	66	87	97
June 30	174	105	107	114	129	170	217	243	283	307
July 31	437	278	307	360	400	420	480	569	585	593
August 31	651	427	460	533	581	662	726	792	832	856
September 30	724	481	527	602	652	703	790	871	907	919
October 31	731	481	528	611	658	707	799	878	914	925
November 30	732	481	528	611	658	707	799	878	914	925
Base Temperature 10°C										
April 30	0	0	0	0	0	0	0	0	0	0
May 31	4	0	0	0	0	0	4	13	27	35
June 30	52	15	18	22	30	41	76	94	119	123
July 31	168	46	71	112	136	158	208	263	269	272
August 31	247	90	101	159	196	238	298	332	382	401
September 30	262	102	132	178	199	253	322	362	399	412
October 31	263	102	132	178	200	253	322	362	399	413
November 30	263	102	132	178	200	253	322	362	399	413

Appendix 2a. Probability of selected GDD thresholds being exceeded for base temperature of 0°C.

Station	Threshold for degree days > 0°C				
	2200	2400	2600	2800	3000
New Brunswick	Probability (%)				
ACADIA FOREST EXP ST	100	96	75	14	0
ALMA	100	80	48	0	0
AROOSTOOK	100	94	70	8	0
BATHURST	100	95	63	8	0
BON ACCORD	81	41	0	0	0
BUCTOUCHE	100	100	86	39	5
CENTREVILLE	100	91	66	0	0
CHARLO A	84	46	0	0	0
CHATHAM A	100	100	73	19	0
DOAKTOWN	100	95	68	11	0
EDMUNDSTON FRASER CO	100	90	45	6	0
FREDERICTON A	100	100	95	52	10
FREDERICTON CDA	100	100	92	50	0
GAGETOWN 2	100	100	100	79	33
GRAND FALLS DRUMMOND	100	86	38	4	0
HARVEY STATION	100	97	78	31	0
KEDGWICK	54	0	0	0	0
LITTLE RIVER MINE	86	47	6	0	0
MILLTOWN	100	100	100	80	28
MINTO	100	100	100	76	21
MONCTON	100	100	85	44	6
MONCTON A	100	100	73	17	0
MUSQUASH	100	80	37	0	0
NEPISIGUIT FALLS	100	83	35	0	0
OROMOCTO	100	100	91	63	4
REXTON	100	100	76	23	0
ROYAL ROAD	100	100	62	0	0
SACKVILLE	100	100	67	14	0
SAINT JOHN	100	100	77	19	0
SAINT JOHN A	100	82	33	0	0
SEARSVILLE	100	100	85	24	0
ST GEORGE	100	92	61	6	0
SUSSEX	100	100	77	35	0
UPSALQUITCH LAKE	8	0	0	0	0
WOODSTOCK	100	100	85	55	17

Station	Threshold for degree days > 0°C				
	2200	2400	2600	2800	3000
Nova Scotia	Probability (%)				
BACCARO	90	68	14	0	0
BADDECK	100	100	76	33	0
BRIDGEWATER	100	100	100	60	12
CAPE SABLE	66	15	0	0	0
CHETICAMP	100	100	71	24	4
CLARENCE	100	100	94	59	10
COLLEGEVILLE	100	100	69	13	0
DEMING	87	54	6	0	0
DIGBY PRIM POINT	100	100	95	56	20
ECUM SECUM	92	56	8	0	0
GREENWOOD A	100	100	100	72	23
HALIFAX CITADEL	100	100	100	79	19
HALIFAX INT'L A	100	100	81	43	0
INGONISH BEACH	100	100	76	22	0
KEJIMKUJIK PARK	100	100	90	49	0
KENTVILLE CDA	100	100	100	85	37
LIVERPOOL BIG FALLS	100	100	100	88	55
LIVERPOOL MILTON	100	100	100	100	50
LOWER MEAGHERS GRANT	100	100	90	53	0
METEGHAN RIVER	100	96	71	17	0
MIDDLE MUSQUODOBOIT	100	100	79	28	0
MOUNT UNIACKE	100	100	65	9	0
NAPPAN CDA	100	100	73	24	0
NORTHEAST MARGAREE	96	72	30	0	0
PARRSBORO	100	89	56	11	0
PLEASANT BAY GRAND ANSE	100	88	59	14	0
PORT HOOD	100	90	58	25	0
RIVER DENYS	100	89	57	9	0
ROSEWAY	100	100	91	47	9
SABLE ISLAND	100	96	66	34	0
SHEARWATER A	100	100	86	46	3
SHEFFIELD MILLS	100	100	100	74	32
SPRINGFIELD	100	100	87	55	10
ST MARGARET'S BAY	100	96	58	8	0
STILLWATER SHERBROOKE	100	100	81	18	0
SUMMERVILLE	100	100	100	68	15
SYDNEY A	100	83	46	6	0
TRURO	100	94	58	19	0
UPPER STEWIACKE	100	96	79	36	0
WESTPHAL	100	97	91	48	4
WEYMOUTH FALLS	100	100	100	71	14
WINDSOR FALMOUTH	100	100	100	75	19
YARMOUTH A	100	96	70	15	0

Station	Threshold for degree days > 0°C				
	2200	2400	2600	2800	3000
Prince Edward Island	Probability (%)				
ALLISTON CDA EPF	100	100	80	32	0
CHARLOTTETOWN A	100	100	72	12	0
CHARLOTTETOWN CDA	100	100	88	46	4
ELLERSLIE	100	100	77	21	6
MONTICELLO ARMADALE	100	81	57	8	0
O'LEARY	100	89	56	9	0
STANHOPE	100	100	83	30	0
SUMMERSIDE A	100	100	81	31	0
Newfoundland	Probability (%)				
BAIE VERTE	11	0	0	0	0
BAY D'ESPOIR GEN STN	79	26	0	0	0
BONAVISTA	22	3	0	0	0
BUCHANS	34	0	0	0	0
COLINET	41	10	0	0	0
COMFORT COVE	40	10	0	0	0
CORNER BROOK	88	52	18	0	0
DANIELS HARBOUR	0	0	0	0	0
DEER LAKE	52	14	0	0	0
DEER LAKE A	39	10	0	0	0
EXPLOITS DAM	19	0	0	0	0
GANDER INT'L A	45	9	0	0	0
GRAND FALLS	80	41	16	0	0
NEW CHELSEA	73	32	4	0	0
PORT AUX BASQUES	10	0	0	0	0
RATTLING BRK NORRIS ARM	90	49	17	0	0
SEAL COVE	94	52	19	0	0
SPRINGDALE	55	20	0	0	0
ST JOHN'S A	43	7	0	0	0
ST LAWRENCE	17	0	0	0	0
STEPHENVILLE A	72	27	6	0	0
TERRA NOVA NAT PARK HQ	55	26	0	0	0
Labrador	Probability (%)				
BATTLE HARBOUR LOR	0	0	0	0	0
CARTWRIGHT	0	0	0	0	0
CHURCHILL FALLS A	0	0	0	0	0
GOOSE A	0	0	0	0	0
HOPEDALE	0	0	0	0	0
WABUSH LAKE A	0	0	0	0	0

Appendix 2b. Probability of selected GDD thresholds being exceeded for base temperature of 5°C.

Station	Threshold for degree days > 5°C				
	1200	1400	1600	1800	2000
New Brunswick	Probability (%)				
ACADIA FOREST EXP ST	100	95	70	6	0
ALMA	100	81	16	0	0
AROOSTOOK	100	95	63	0	0
BATHURST	100	95	60	5	0
BON ACCORD	100	56	0	0	0
BUCTOUCHE	100	100	85	29	0
CENTREVILLE	100	94	53	0	0
CHARLO A	94	53	0	0	0
CHATHAM A	100	100	71	15	0
DOAKTOWN	100	92	65	8	0
EDMUNDSTON FRASER CO	100	95	43	6	0
FREDERICTON A	100	100	90	36	0
FREDERICTON CDA	100	100	89	37	0
GAGETOWN 2	100	100	96	70	0
GRAND FALLS DRUMMOND	100	90	29	4	0
HARVEY STATION	100	96	77	23	0
KEDGWICK	72	10	0	0	0
LITTLE RIVER MINE	100	59	7	0	0
MILLTOWN	100	100	100	56	7
MINTO	100	100	95	64	0
MONCTON	100	100	79	32	0
MONCTON A	100	100	65	6	0
MUSQUASH	95	74	8	0	0
NEPISIGUIT FALLS	100	88	32	0	0
OROMOCTO	100	100	88	38	0
REXTON	100	100	73	13	0
ROYAL ROAD	100	100	54	0	0
SACKVILLE	100	100	56	0	0
SAINT JOHN	100	91	45	0	0
SAINT JOHN A	100	81	14	0	0
SEARSVILLE	100	100	84	0	0
ST GEORGE	100	87	38	0	0
SUSSEX	100	96	79	13	0
UPSALQUITCH LAKE	62	0	0	0	0
WOODSTOCK	100	100	85	46	0

Station	Threshold for degree days > 5°C				
	1200	1400	1600	1800	2000
Nova Scotia	Probability (%)				
BACCARO	80	32	0	0	0
BADDECK	100	95	67	0	0
BRIDGEWATER	100	100	93	29	0
CAPE SABLE	25	0	0	0	0
CHETICAMP	100	94	61	17	0
CLARENCE	100	100	83	33	0
COLLEGEVILLE	100	100	54	5	0
DEMING	84	30	0	0	0
DIGBY PRIM POINT	100	100	71	29	0
ECUM SECUM	87	29	4	0	0
GREENWOOD A	100	100	92	50	10
HALIFAX CITADEL	100	100	93	33	0
HALIFAX INT'L A	100	100	80	14	0
INGONISH BEACH	100	96	63	8	0
KEJIMKUJIK PARK	100	100	80	27	0
KENTVILLE CDA	100	100	96	72	11
LIVERPOOL BIG FALLS	100	100	100	70	12
LIVERPOOL MILTON	100	100	100	67	15
LOWER MEAGHERS GRANT	100	100	81	19	0
METEGHAN RIVER	100	90	38	0	0
MIDDLE MUSQUODOBOIT	100	100	68	12	0
MOUNT UNIACKE	100	94	44	0	0
NAPPAN CDA	100	100	57	6	0
NORTHEAST MARGAREE	96	68	21	0	0
PARRSBORO	100	84	25	0	0
PLEASANT BAY GRAND ANSE	100	80	49	6	0
PORT HOOD	100	85	52	14	0
RIVER DENYS	100	86	42	0	0
ROSEWAY	100	100	64	20	0
SABLE ISLAND	100	84	37	0	0
SHEARWATER A	100	100	71	8	0
SHEFFIELD MILLS	100	100	93	60	0
SPRINGFIELD	100	100	83	26	0
ST MARGARET'S BAY	100	89	34	0	0
STILLWATER SHERBROOKE	100	100	66	8	0
SUMMERVILLE	100	100	88	35	0
SYDNEY A	100	82	22	0	0
TRURO	100	90	53	5	0
UPPER STEWIACKE	100	95	72	14	0
WESTPHAL	100	96	82	20	0
WEYMOUTH FALLS	100	100	100	34	0
WINDSOR FALMOUTH	100	100	93	57	8
YARMOUTH A	100	91	46	0	0

Station	Threshold for degree days > 5°C				
	1200	1400	1600	1800	2000
Prince Edward Island	Probability (%)				
ALLISTON CDA EPF	100	100	75	13	0
CHARLOTTETOWN A	100	100	61	5	0
CHARLOTTETOWN CDA	100	100	79	27	0
ELLERSLIE	100	100	79	14	0
MONTICELLO ARMADALE	100	87	45	0	0
O'LEARY	100	90	49	6	0
STANHOPE	100	100	80	20	0
SUMMERSIDE A	100	100	77	15	0
Newfoundland	Probability (%)				
BAIE VERTE	24	0	0	0	0
BAY D'ESPOIR GEN STN	81	18	0	0	0
BONAVISTA	20	4	0	0	0
BUCHANS	47	0	0	0	0
COLINET	30	0	0	0	0
COMFORT COVE	61	11	0	0	0
CORNER BROOK	84	49	10	0	0
DANIELS HARBOUR	5	0	0	0	0
DEER LAKE	60	12	0	0	0
DEER LAKE A	57	10	0	0	0
EXPLOITS DAM	19	0	0	0	0
GANDER INT'L A	54	14	0	0	0
GRAND FALLS	85	42	8	0	0
NEW CHELSEA	77	17	0	0	0
PORT AUX BASQUES	0	0	0	0	0
RATTLING BRK NORRIS ARM	87	55	12	0	0
SEAL COVE	90	44	7	0	0
SPRINGDALE	63	17	0	0	0
ST JOHN'S A	44	7	0	0	0
ST LAWRENCE	8	0	0	0	0
STEPHENVILLE A	73	19	0	0	0
TERRA NOVA NAT PARK HQ	69	20	0	0	0
Labrador	Probability (%)				
BATTLE HARBOUR LOR	0	0	0	0	0
CARTWRIGHT	0	0	0	0	0
CHURCHILL FALLS A	0	0	0	0	0
GOOSE A	9	0	0	0	0
HOPEDALE	0	0	0	0	0
WABUSH LAKE A	0	0	0	0	0

Appendix 2c. Probability of selected GDD thresholds being exceeded for base temperature of 10°C.

Station	Threshold for degree days > 10°C				
	400	600	800	1000	1200
New Brunswick	Probability (%)				
ACADIA FOREST EXP ST	100	100	64	0	0
ALMA	100	80	0	0	0
AROOSTOOK	100	100	59	0	0
BATHURST	100	100	70	7	0
BON ACCORD	100	87	0	0	0
BUCTOUCHE	100	100	91	22	0
CENTREVILLE	100	100	55	0	0
CHARLO A	100	80	6	0	0
CHATHAM A	100	100	80	15	0
DOAKTOWN	100	100	65	0	0
EDMUNDSTON FRASER CO	100	100	48	5	0
FREDERICTON A	100	100	89	21	0
FREDERICTON CDA	100	100	88	15	0
GAGETOWN 2	100	100	93	44	0
GRAND FALLS DRUMMOND	100	93	43	4	0
HARVEY STATION	100	100	65	8	0
KEDGWICK	100	43	0	0	0
LITTLE RIVER MINE	100	88	21	0	0
MILLTOWN	100	100	100	37	0
MINTO	100	100	94	44	0
MONCTON	100	100	81	17	0
MONCTON A	100	100	68	4	0
MUSQUASH	100	72	0	0	0
NEPISIGUIT FALLS	100	95	48	0	0
OROMOCTO	100	100	87	18	0
REXTON	100	100	72	8	0
ROYAL ROAD	100	100	49	0	0
SACKVILLE	100	100	45	0	0
SAINT JOHN	100	89	14	0	0
SAINT JOHN A	100	83	0	0	0
SEARSVILLE	100	100	78	0	0
ST GEORGE	100	88	10	0	0
SUSSEX	100	100	77	0	0
UPSALQUITCH LAKE	94	17	0	0	0
WOODSTOCK	100	100	84	34	0

Station	Threshold for degree days > 10°C				
	400	600	800	1000	1200
Nova Scotia	Probability (%)				
BACCARO	75	0	0	0	0
BADDECK	100	95	50	0	0
BRIDGEWATER	100	100	88	10	0
CAPE SABLE	8	0	0	0	0
CHETICAMP	100	96	57	5	0
CLARENCE	100	100	73	0	0
COLLEGEVILLE	100	100	51	4	0
DEMING	89	25	0	0	0
DIGBY PRIM POINT	100	100	42	10	0
ECUM SECUM	93	28	0	0	0
GREENWOOD A	100	100	88	29	0
HALIFAX CITADEL	100	100	88	8	0
HALIFAX INT'L A	100	100	77	0	0
INGONISH BEACH	100	100	63	7	0
KEJIMKUJIK PARK	100	100	79	0	0
KENTVILLE CDA	100	100	95	42	0
LIVERPOOL BIG FALLS	100	100	93	42	0
LIVERPOOL MILTON	100	100	100	44	0
LOWER MEAGHERS GRANT	100	100	78	0	0
METEGHAN RIVER	100	75	0	0	0
MIDDLE MUSQUODOBOIT	100	100	54	0	0
MOUNT UNIACKE	100	96	32	0	0
NAPPAN CDA	100	100	52	0	0
NORTHEAST MARGAREE	100	78	15	0	0
PARRSBORO	100	86	15	0	0
PLEASANT BAY GRAND ANSE	100	93	49	7	0
PORT HOOD	100	93	51	11	0
RIVER DENYS	100	90	40	0	0
ROSEWAY	100	100	48	0	0
SABLE ISLAND	100	78	10	0	0
SHEARWATER A	100	100	50	0	0
SHEFFIELD MILLS	100	100	83	36	0
SPRINGFIELD	100	100	87	9	0
ST MARGARET'S BAY	100	87	12	0	0
STILLWATER SHERBROOKE	100	100	63	0	0
SUMMERVILLE	100	100	86	10	0
SYDNEY A	100	91	16	3	0
TRURO	100	93	50	0	0
UPPER STEWIACKE	100	97	63	0	0
WESTPHAL	100	100	71	0	0
WEYMOUTH FALLS	100	100	79	0	0
WINDSOR FALMOUTH	100	100	89	29	0
YARMOUTH A	100	82	0	0	0

Station	Threshold for degree days > 10°C				
	400	600	800	1000	1200
Prince Edward Island	Probability (%)				
ALLISTON CDA EPF	100	100	72	0	0
CHARLOTTETOWN A	100	100	62	0	0
CHARLOTTETOWN CDA	100	100	79	14	0
ELLERSLIE	100	100	80	11	0
MONTICELLO ARMADALE	100	93	45	0	0
O'LEARY	100	93	50	0	0
STANHOPE	100	100	81	10	0
SUMMERSIDE A	100	100	84	4	0
Newfoundland	Probability (%)				
BAIE VERTE	68	6	0	0	0
BAY D'ESPOIR GEN STN	100	26	0	0	0
BONAVISTA	72	6	0	0	0
BUCHANS	91	18	0	0	0
COLINET	55	0	0	0	0
COMFORT COVE	89	22	0	0	0
CORNER BROOK	100	57	6	0	0
DANIELS HARBOUR	29	0	0	0	0
DEER LAKE	100	36	4	0	0
DEER LAKE A	90	14	0	0	0
EXPLOITS DAM	69	6	0	0	0
GANDER INT'L A	87	23	4	0	0
GRAND FALLS	100	68	8	0	0
NEW CHELSEA	89	21	0	0	0
PORT AUX BASQUES	18	0	0	0	0
RATTLING BRK NORRIS ARM	100	76	13	0	0
SEAL COVE	100	62	6	0	0
SPRINGDALE	91	30	5	0	0
ST JOHN'S A	86	13	0	0	0
ST LAWRENCE	16	0	0	0	0
STEPHENVILLE A	94	25	0	0	0
TERRA NOVA NAT PARK HQ	89	41	4	0	0
Labrador	Probability (%)				
BATTLE HARBOUR LOR	0	0	0	0	0
CARTWRIGHT	0	0	0	0	0
CHURCHILL FALLS A	5	0	0	0	0
GOOSE A	53	8	0	0	0
HOPEDALE	0	0	0	0	0
WABUSH LAKE A	5	0	0	0	0

Appendix 3. Regression equations for estimating April through November GDD (Y) at selected probability levels from the average value (X) for base temperatures of (a)0°C (b)5°C (c)10°C.

	Probability Level	Regression Equation	r^2	Standard Error
a. Base 0°C	5%	Y = -305.243 + 1.0236X	0.989	37.0
	10%	Y = -214.349 + 1.008X	0.993	29.0
	25%	Y = -136.492 + 1.014X	0.995	25.1
b. Base 5°C	5%	Y = -140.933 + 0.951X	0.983	26.0
	10%	Y = -121.307 + 0.966X	0.977	21.9
	25%	Y = -91.469 + 1.006X	0.991	19.2
c. Base 10°C	5%	Y = -98.792 + 0.903X	0.981	12.6
	10%	Y = -80.525 + 0.933X	0.986	11.0
	25%	Y = -46.848 + 0.982X	0.993	8.3

Appendix 4. Regression equations for estimating the probability (Y) of exceeding selected threshold levels of GDD from April through November from the average GDD value (X) for base temperatures of (a)0°C (b)5°C (c)10°C.

	Threshold	Regression Equation	r^2
a. Base 0°C	2200	$Y = -387.20 + 0.3037X - 0.0000458X^2$	0.868
	2400	$Y = -114.84 + 0.0279X + 0.0000180X^2$	0.857
	2600	$Y = +278.86 - 0.3266X + 0.0000922X^2$	0.942
	2800	$Y = +505.31 - 0.4970X + 0.0001188X^2$	0.843
b. Base 5°C	1200	$Y = -262.58 + 0.3905X - 0.0001034X^2$	0.899
	1400	$Y = -130.38 + 0.1286X + 0.0000036X^2$	0.874
	1600	$Y = +151.72 - 0.3192X + 0.0001600X^2$	0.939
	1800	$Y = +214.33 - 0.3714X + 0.0001520X^2$	0.843
c. Base 10°C	400	$Y = -110.97 + 0.5410X - 0.00003400X^2$	0.949
	600	$Y = -100.50 + 0.3364X - 0.0001212X^2$	0.901
	800	$Y = +58.02 - 0.3124X + 0.0003740X^2$	0.933