

Phenological Data - 1946

The data in the main table were compiled by M.W. Cormack at Edmonton, R.C. Russell at Saskatoon, and B. Peterson at Winnipeg. The second column under each locality shows the departure from average in days.

The season opened very early at Saskatoon and Winnipeg, but by the end of May frosts and cool weather had reduced development to about the average. At Edmonton, the spring opened somewhat early but lagged slightly in mid-May. Several spring frosts injured blossom buds and leaves at Winnipeg, and to a lesser extent at Saskatoon; consequently records were not available for some regularly observed species (R.C. Russell).

Cereal rusts were first observed in Man. as follows:

Puccinia triticina	23/6
P. coronata	18/7
P. graminis Triticis	15/7
P. graminis Avenae	18/7
P. Hordei	18/7

(B. Peterson).

Anthesis dates at Ottawa, with number of days departure from average, for 9 plants from the main list were as follows:

Populus tremuloides	29/3	16E	Anemone canadensis	8/6	4L
Acer Negundo	21/4	4E	Bromus inermis	19/6	11L
Viola canadensis	2/5	1L	Phleum pratense	28/6	3L
Prunus pennsylvanica	17/5	6L	Solidago canadensis	6/8	10L
Smilacina stellata	20/5	2L			

Anthesis dates for marker trees at Ottawa compared with previous years:

	<u>10-yr. average</u>	<u>1944</u>	<u>1945</u>	<u>1946</u>
Acer saccharinum	14/4	17/4	25/3	21/3
Ulmus americana	27/4	30/4	3/4	7/4
Acer saccharum	8/5	6/5	14/4	8/5
Pinus sylvestris	27/5	24/5	27/5	1/6

The flowering season at Ottawa opened about 24 days ahead of average. This advance was gradually lost, however, and the season was close to the average by 1 May; it was several days behind average during most of May and a lag of 5-10 days persisted through June and most of July (W.H. Minshall).

SUMMARY OF PHENOLOGICAL DATA TAKEN AT
WINNIPEG, SASKATOON, AND EDMONTON, IN 1945

	Winnipeg		Saskatoon		Edmonton	
<i>Pulsatilla Ludoviciana</i>	9/4	?	5/4	10E	---	---
<i>Populus tremuloides</i>	14/4	11E	10/4	12E	18/4	4E
<i>Phlox Hoodii</i>	---	---	18/4	9E	---	---
<i>Salix petiolaris</i>	---	---	21/4	---	---	---
<i>Acer Negundo</i>	23/4	12E	28/4	8E	26/4	4E
<i>Thermopsis rhombifolia</i>	---	---	28/4	12E	---	---
<i>Betula papyrifera</i>	---	---	30/4	10E	30/4	7E
<i>Prunus americana</i>	1/5	11E	---	---	---	---
<i>Amelanchier alnifolia</i>	4/5	11E	5/5	8E	15/5	1L
<i>Heirochloë odorata</i>	28/5	7L	10/5	6E	---	---
<i>Prunus pennsylvanica</i>	---	---	16/5	4E	18/5	2L
<i>Viola canadensis</i>	---	---	14/5	2E	20/5	1L
<i>Smilacina stellata</i>	buds frozen	---	15/5	8E	26/5	1L
<i>Prunus sp. (chokecherry)</i>	23/5	3E	24/5	2E	24/5	1E
<i>Crataegus sp. (hawthorn)</i>	25/5	N	24/5	3E	26/5	3E
<i>Svida sp. (dogwood)</i>	buds frozen	---	29/5	N	2/6	2L
<i>Lonicera glaucescens</i>	---	---	1/6	5E	6/6	2E
<i>Elaeagnus commutata</i>	---	---	5/6	2L	---	---
<i>Viburnum Lentago</i>	29/5	6E	---	---	---	---
<i>Achillea lanulosa</i>	---	---	5/6	4E	23/6	2E
<i>Anemone canadensis</i>	3/6	3E	8/6	1E	19/6	1L
<i>Viburnum pubescens</i>	5/6	3E	---	---	---	---
<i>Diholcos bisulcatus</i>	---	---	8/6	2E	---	---
<i>Galium boreale</i>	---	---	10/6	2E	16/6	N
<i>Viburnum trilobum</i>	buds frozen	---	---	---	8/6	N
<i>Rosa alcea</i>	---	---	10/6	7E	---	---
<i>Bromus inermis</i>	19/6	2E	18/6	6E	30/6	4L
<i>Gaillardia aristata</i>	---	---	21/6	1E	---	---
<i>Campanula petiolata</i>	---	---	25/6	3L	---	---
<i>Agrimonia striata</i>	---	---	---	---	---	---
<i>Symphoricarpos occidentalis</i>	25/6	1E	2/7	4E	4/7	1L
<i>Spiraea alba</i>	---	---	2/7	1L	---	---
<i>Chrysopsis hirsutissima</i>	---	---	4/7	4L	---	---
<i>Psoralidium argophyllum</i>	---	---	8/7	1E	---	---
<i>Lactuca pulchella</i>	---	---	8/7	2E	12/7	2E
<i>Phleum pratense</i>	---	---	---	---	9/7	3L
<i>Chamaenerion spicatum</i>	---	---	---	---	9/7	N
<i>Agastache anethiodora</i>	---	---	---	---	10/7	1E
<i>Solidago canadensis</i>	---	---	---	---	16/7	1E
<i>Solidago missouriensis</i>	---	---	15/7	1L	---	---
<i>Grindelia perennis</i>	---	---	1/8	8L	---	---
<i>Oligoneuron canescens</i>	---	---	28/7	4L	---	---
<i>Aster crassulus</i>	---	---	28/7	N	---	---
<i>Aster laevis</i>	---	---	3/8	6L	28/7	3E
Thatcher Wheat:	Sown	12/4 11E	10/4	15E	29/4	3L
	Emerged	24/4 10E	30/4	11E	13/5	5L
	Headed	24/6 3E	26/6	4E	25/6	6E
	Harvested	12/8 8L	6/8	N	14/8	N