

Phenological Data - 1950

The great flood interfered with the collection of data at Winnipeg this year. Dates for shrubs and trees refer to specimens in the Winnipeg area on unflooded land on the fringes of the flooded area. The dates of seeding and harvesting of Thatcher wheat refer to plots at Headingly, some 20 miles north-west of where these records are usually taken.

At Saskatoon the early-season plants came into flower 10 days to two weeks late. At mid-season, the plants bloomed nearer the normal date but abundant rains and cool, cloudy weather caused the late-season plants to lag in flowering. Wheat sown 13 days after the average for early seeding was harvested 16 days later than average.

At Edmonton the season never lagged as much as at Saskatoon. It was, however, distinctly late in May. As the season progressed it caught up so that several species bloomed at or before the normal time. Wheat, sown 4 days late, was harvested 6 days earlier than normal (R.C. Russell).

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

<i>Populus tremuloides</i>	27/4	10L	<i>Anemone canadensis</i>	6/6	1L
<i>Acer negundo</i>	10/5	10L	<i>Bromus inermis</i>	16/6	3E
<i>Prunus pensylvanica</i>	23/5	8L	<i>Phleum pratense</i>	26/6	1L
<i>Smilacina stellata</i>	23/5	3L	<i>Solidago canadensis</i>	9/8	8L

Anthesis dates for marker plants at Ottawa, with the number of days departure from the average date of flowering, were as follows:

<i>Acer saccharinum</i>	18/4	6L	<i>Carya cordiformis</i>	11/6	2E
<i>Ulmus americana</i>	4/5	8L	<i>Tilia americana</i> *		
<i>Acer saccharum</i>	16/5	7L	<i>Polygonum cuspidatum</i>	30/8	3E
<i>Pinus sylvestris</i>	1/6	3L	<i>Hamamelis virginiana</i>	20/9	7E

*The marker plant did not flower in 1950.

At Ottawa the 1950 season opened on 18 April, with the flowering of *Acer saccharinum*. This date of anthesis was six days behind the average. The progress of the season continued from 6 to 8 days late until mid-May when it accelerated somewhat and as a result it was approaching average by early June. The season then continued approximately average for the remainder of June and throughout July (W.H. Minshall).

SUMMARY OF PHENOLOGICAL DATA TAKEN AT
WINNIPEG, SASKATOON, AND EDMONTON, IN 1950

	Winnipeg		Saskatoon		Edmonton	
<u>Pulsatilla ludoviciana</u>	--	--	30/4	12 L	--	--
<u>Populus tremuloides</u>	10/5	14 L	6/5	12 L	1/5	7 L
<u>Phlox hoodii</u>	--	--	10/5	14 L	--	--
<u>Salix petiolaris</u>	--	--	16/5	11 L	--	--
<u>Acer negundo</u>	22/5	15 L	16/5	9 L	7/5	5 L
<u>Betula papyrifera</u>	--	--	20/5	10 L	16/5	7 L
<u>Thermopsis rhombifolia</u>	--	--	24/5	13 L	--	--
<u>Prunus americana</u>	27/5	13 L	--	--	--	--
<u>Amelanchier alnifolia</u>	30/5	18 L	24/5	10 L	24/5	8 L
<u>Hierochloe odorata</u>	--	--	27/5	9 L	--	--
<u>Prunus pensylvanica</u>	--	--	27/5	7 L	27/5	9 L
<u>Viola rugulosa</u>	--	--	24/5	3 L	29/5	8 L
<u>Smilacina stellata</u>	--	--	2/6	8 L	6/6	10 L
<u>Prunus</u> sp. (Chokecherry)	9/6	12 L	6/6	9 L	7/6	11 L
<u>Crataegus</u> sp. (Hawthorn)	7/6	11 L	4/6	7 L	3/6	3 L
<u>Viburnum lentago</u>	15/6	11 L	--	--	--	--
<u>Cornus stolonifera</u>	11/6	13 L	5/6	6 L	7/6	6 L
<u>Elaeagnus commutata</u>	--	--	11/6	7 L	10/6	6 L
<u>Lonicera glaucescens</u>	--	--	12/6	5 L	10/6	2 L
<u>Viburnum pubescens</u>	19/6	8 L	--	--	--	--
<u>Achillea lanulosa</u>	--	--	12/6	2 L	29/6	3 L
<u>Anemone canadensis</u>	--	--	16/6	6 L	28/6	3 L
<u>Diholcos bisulcatus</u>	--	--	13/6	3 L	--	--
<u>Galium boreale</u>	--	--	24/6	11 L	19/6	?
<u>Rosa</u> sp. (Prairie Rose)	--	--	4/7	15 L	--	--
<u>Gaillardia aristata</u>	--	--	8/7	14 L	--	--
<u>Campanula petiolata</u>	--	--	8/7	14 L	--	--
<u>Bromus inermis</u>	--	--	4/7	10 L	30/6	2 L
<u>Chrysopsis hirsutissima</u>	--	--	8/7	8 L	--	--
<u>Symphoricarpos occidentalis</u>	--	--	10/7	6 L	3/7	1 E
<u>Psoralidium argophyllum</u>	--	--	15/7	4 L	--	--
<u>Phleum pratense</u>	--	--	--	--	9/7	2 L
<u>Lactuca pulchella</u>	--	--	8/7	1 E	12/7	1 E
<u>Chamaenerion spicatum</u>	--	--	8/7	?	10/7	N
<u>Agastache anethiodora</u>	--	--	--	--	9/7	2 E
<u>Cirsium</u> sp. (Bull Thistle)	--	--	12/7	3 E	--	--
<u>Solidago canadensis</u>	--	--	--	--	18/7	N
<u>Grindelia perennis</u>	--	--	25/7	1 L	--	--
<u>Oligoneuron canescens</u>	--	--	7/8	12 L	--	--
<u>Aster</u> sp. (white)	--	--	6/8	8 L	--	--
<u>Aster laevis</u> (purple)	--	--	9/8	9 L	30/7	N
Wheat - sown	2/6	35 L	10/5	13 L	3/5	4 L
emerged	--	--	25/5	11 L	11/5	1 L
headed	--	--	7/7	4 L	24/6	7 E
harvested	29/8	23 L	28/8	16 L	8/8	6 E