

Phenological Data - 1945

The data in the following table were compiled by M.W. Cormack at Edmonton, R.C. Russell at Saskatoon, and B. Peturson at Winnipeg.

In the first column under each place is shown the date of blooming in 1945, and the second column indicates the departure from average in days. In most cases the average date of flowering is based on from 8 to 10 years' records.

Apparently the season was from ten days to two weeks late at all three places during the spring. Later on the vegetation caught up at all three places to some extent but most noticeably at Edmonton. Comparatively early seeding at Saskatoon did not materially hasten the emergence and heading of wheat (R.C. Russell).

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

Populus tremuloides	29/3 20E	Anemone canadensis	8/6 5L
Acer Negundo	9/4 18E	Bromus inermis	19/6 1L
Viola canadensis	13/4 18E	Phleum pratense	27/6 3L
Prunus pennsylvanica	2/5 8E	Solidago canadensis	30/7 5L
Smilacina stellata	20/5 2L		

Anthesis dates of trees at Ottawa compared with previous years:

	<u>10-yr. Average</u>	<u>1943</u>	<u>1944</u>	<u>1945</u>
Acer saccharinum	14/4	23/4	17/4	25/3
Ulmus americana	27/4	7/5	30/4	3/4
Acer saccharum	8/5	19/5	6/5	14/4
Pinus sylvestris	27/5	2/6	24/5	27/5

The flowering season at Ottawa opened in late March about 20 days ahead of average. During the next 3 weeks, with mild weather prevailing, this gain was increased slightly until in mid-April the season was approximately 24 days ahead. At this point cold, wet weather set in and development was negligible for prolonged periods. Consequently the season was approaching the average in mid-May and was 5 or 6 days behind average at the end of May. A lag of several days persisted through June and July (W.H. Minshall).

Summary of Phenological Data Taken at
Winnipeg, Saskatoon and Edmonton, in 1945

Species	Winnipeg		Saskatoon		Edmonton	
<i>Pulsatilla ludoviciana</i>	4/4	?	8/4	8E	--	--
<i>Populus tremuloides</i>	29/4	3L	8/4	15E	3/5	10L
<i>Phlox Hoodii</i>	--	--	10/5	12L	--	--
<i>Acer Negundo</i>	18/5	11L	20/5	14L	12/5	11L
<i>Betula papyrifera</i>	--	--	25/5	15L	18/5	10L
<i>Thermopsis rhombifolia</i>	--	--	25/5	15L	--	--
<i>Prunus americana</i>	25/5	11L	--	--	--	--
<i>Amelanchier alnifolia</i>	31/5	14L	27/5	13L	27/5	13L
<i>Prunus pennsylvanica</i>	--	--	4/6	15L	29/5	13L
<i>Viola canadensis</i>	--	--	27/5	10L	1/6	13L
<i>Heirolechloë odorata</i>	2/6	12L	28/5	11L	--	--
<i>Smilacina stellata</i>	--	--	3/6	10L	6/6	12L
<i>Crataegus</i> sp. (hawthorn)	8/6	14L	11/6	14L	6/6	7L
<i>Prunus</i> sp. (chokecherry)	11/6	15L	6/6	10L	7/6	13L
<i>Svida</i> sp. (dogwood)	--	--	10/6	12L	12/6	12L
<i>Elaeagnus commutata</i>	--	--	18/6	16L	18/6	15L
<i>Lonicera glaucescens</i>	--	--	19/6	12L	20/6	11L
<i>Anemone canadensis</i>	15/6	8L	20/6	11L	26/6	9L
<i>Viburnum Lentago</i>	17/6	13L	--	--	--	--
<i>Achillea lanulosa</i>	--	--	20/6	10L	6/7	11L
<i>Viburnum trilobum</i>	19/6	8L	--	--	17/6	18L
<i>Viburnum pubescens</i>	21/6	13L	--	--	--	--
<i>Diholcos bisulcatus</i>	--	--	22/6	12L	--	--
<i>Galium boreale</i>	--	--	22/6	9L	22/6	6L
<i>Campanula petiolata</i>	--	--	1/7	--	--	--
<i>Gaillardia aristata</i>	--	--	1/7	--	--	--
<i>Bromus inermis</i>	2/7	10L	4/7	9L	5/7	9L
<i>Agrimonia striata</i>	--	--	--	--	8/7	8L
<i>Chrysopsis hirsutissima</i>	--	--	5/7	5L	--	--
<i>Symphoricarpos occidentalis</i>	--	--	12/7	5L	10/7	7L
<i>Psoralidium argophyllum</i>	--	--	19/7	10L	--	--
<i>Phleum pratense</i>	--	--	--	--	15/7	9L
<i>Chamaenerion spicatum</i>	--	--	--	--	16/7	7L
<i>Agastache anethiodora</i>	--	--	--	--	18/7	6L
<i>Lactuca pulchella</i>	--	--	20/7	10L	20/7	6L
<i>Solidago canadensis</i>	--	--	--	--	25/7	7L
<i>Cirsium undulatum</i>	20/7	?	--	--	--	--
<i>Aster laevis</i>	--	--	--	--	4/8	4L
Thatcher wheat: Sown	5/5	10L	1/5	4L	1/5	5L
Emerged	21/5	16L	20/5	11L	14/5	6L
Headed	11/7	14L	11/7	13L	8/7	7L
Harvested	11/8	8L	16/8	10L	17/8	3L