

Phenological Data - 1948

The data were compiled this year by B. Peturson at Winnipeg, R.C. Russell at Saskatoon, and M.W. Cormack and S.G. Fushley at Edmonton, and appear in the accompanying table.

The spring season opened somewhat later than normal at Winnipeg, decidedly later at Saskatoon and later still at Edmonton. However, warm weather after 15 May caused rapid development of the vegetation at all three points, and flowering dates were normal by about 25 May at Winnipeg, 5 June at Saskatoon, and 25 June at Edmonton. From then on flowers opened at about the normal dates throughout the season.

At all three points the first wheat was sown considerably later than usual. However, by harvest time it had more than made up for lost time except at Winnipeg (R.C. Russell).

Anthesis dates at Ottawa, with number of days departure from average, for 8 plants from the main list were as follows:

Populus tremuloides	18/4	2L	Anemone canadensis	2/6	2E
Acer Negundo	27/4	N	Bromus inermis	25/6	6L
Prunus pennsylvanica	15/5	2L	Phleum pratense	28/6	3L
Smilacina stellata	17/5	2E	Solidago canadensis	5/8	6L

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

Acer saccharinum	5/4	6E	Carya cordiformis	13/6	1L
Ulmus americana	22/4	3E	Tilia americana	10/7	4L
Acer saccharum	6/5	2E	Polygonum cuspidatum	28/8	4E
Pinus sylvestris	30/5	2L	Hamamelis virginiana	26/9	2E

At Ottawa the spring season opened, with the flowering of Acer saccharinum, six days ahead of average. The season then lagged somewhat and by 1 May it was approximately average. It continued close to average throughout the summer (W.H. Minshall).

SUMMARY OF PHENOLOGICAL DATA TAKEN AT
WINNIPEG, SASKATOON, and EDMONTON, IN 1948.

	Winnipeg		Saskatoon		Edmonton	
<i>Pulsatilla Ludoviciana</i>	--	--	30/4	13L	--	--
<i>Populus tremuloides</i>	28/4	3L	9/5	15L	12/5	18L
<i>Phlox Hoodii</i>	--	--	14/5	15L	--	--
<i>Salix petiolaris</i>	--	--	16/5	12L	--	--
<i>Acer Negundo</i>	13/5	6L	15/5	8L	20/5	17L
<i>Betula papyrifera</i>	--	--	17/5	7L	24/5	15L
<i>Thermopsis rhombifolia</i>	--	--	20/5	10L	--	--
<i>Amelanchier alnifolia</i>	20/5	3L	21/5	7L	26/5	11L
<i>Prunus americana</i>	17/5	4L	--	--	--	--
<i>Viola rugulosa</i> (V. canadensis auct.)	--	--	23/5	1L	28/5	7L
<i>Prunus pennsylvanica</i>	--	--	23/5	3L	29/5	11L
<i>Smilacina stellata</i>	--	--	29/5	5L	7/6	12L
<i>Hierochloë odorata</i>	--	--	21/5	4L	--	--
<i>Crataegus</i> sp. (Hawthorn)	26/5	1E	30/5	2L	3/6	4L
<i>Prunus</i> sp. (Chokecherry)	27/5	1E	30/5	2L	2/6	6L
<i>Viburnum Lentago</i>	2/6	2E	--	--	--	--
<i>Cornus</i> sp. (Dogwood)	--	--	1/6	2L	4/6	3L
<i>Elaeagnus commutata</i>	--	--	4/6	N	7/6	2L
<i>Lonicera glaucescens</i>	--	--	6/6	2E	12/6	3L
<i>Achillea lanulosa</i>	--	--	12/6	2L	26/6	N
<i>Diholcos bisulcatus</i>	--	--	10/6	1E	--	--
<i>Anemone canadensis</i>	2/6	5E	8/6	2E	30/6	4L
<i>Galium boreale</i>	--	--	10/6	3E	14/6	2E
<i>Rosa alcea</i>	--	--	15/6	2E	--	--
<i>Bromus inermis</i>	17/6	5E	17/6	7E	30/6	3L
<i>Gaillardia aristata</i>	--	--	18/6	5E	--	--
<i>Campanula petiolata</i>	--	--	24/6	1L	--	--
<i>Chrysopsis hirsutissima</i>	--	--	20/6	9E	--	--
<i>Spiraea alba</i>	--	--	29/6	3E	--	--
<i>Symphoricarpos occidentalis</i>	--	--	28/6	6E	4/7	N
<i>Psoraleidum argophyllum</i>	--	--	16/7	6L	--	--
<i>Phleum pratense</i>	--	--	--	--	5/7	2E
<i>Lactuca pulchella</i>	8/7	4L	1/7	8E	10/7	4E
<i>Chamaenerion spicatum</i>	--	--	--	--	8/7	1E
<i>Agastache anethiodora</i>	--	--	--	--	8/7	3E
<i>Solidago canadensis</i>	--	--	--	--	20/7	2L
<i>Grindelia perennis</i>	--	--	25/7	2L	--	--
<i>Oligoneuron canescens</i>	--	--	28/7	3L	--	--
<i>Aster</i> sp. (white)	--	--	27/7	1E	--	--
<i>Aster laevis</i> (purple)	--	--	31/7	1L	28/7	3E
Thatcher Wheat:						
Sown	14/5	18L	4/5	9L	12/5	14L
Emerged	?	?	17/5	7L	23/5	13L
Headed	4/7	5L	27/6	3L	5/7	4L
Harvested	10/8	5L	3/8	2E	10/8	4E