

Rainfall of 4.72 in. in September brought on an incipient fall attack of late blight, which caused some injury to the stored potato crop. Between 24 and 29 Sept. frosts killed off most of the potato tops, making chemical killing unnecessary. Sharp frosts during the digging period caused some injury to potatoes left on the ground at night (R.R. Hurst).

Phenological Data - 1947

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

The first part of the 1947 season was late at all three places but especially so at Winnipeg. Dry weather tended to hasten the maturing of plants later on at Saskatoon and Edmonton and, judging by the records for wheat, the same situation developed at Winnipeg. Wheat was sown early at Saskatoon and, after lagging for some time in the early stages of growth, ripened early because of lack of moisture in June and July. At Edmonton, where moisture conditions were more favourable, wheat ripened slightly after the average date of harvesting (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	26/4	10L	Anemone canadensis	12/6	7L
Acer Negundo	12/5	14L	Bromus inermis	28/6	8L
Prunus pennsylvanica	27/5	13L	Phleum pratense	29/6	4L
Smilacina stellata	30/5	10L	Solidago canadensis	10/8	11L

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

	Average (1936-45)	1946	1947	
Acer saccharinum	14/4	25/3	21/3	12/4
Ulmus americana	27/4	3/4	7/4	6/5
Acer saccharum	8/5	14/4	8/5	19/5
Pinus sylvestris	27/5	27/5	1/6	10/6

The season at Ottawa opened with the flowering of Acer saccharinum two days ahead of average. The season immediately began to lag, however, and by 1 May it was a week or more behind average. A lag of 8 to 12 days persisted throughout the season (W.H. Minshall).

SUMMARY OF PHENOLOGICAL DATA TAKEN AT
WINNIPEG, SASKATOON, AND EDMONTON, IN 1947

	Winnipeg		Saskatoon		Edmonton	
<i>Pulsatilla Ludoviciana</i>	---	---	22/4	6L	---	---
<i>Populus tremuloides</i>	---	---	29/4	6L	26/4	4L
<i>Phlox Hoodii</i>	---	---	3/5	6L	---	---
<i>Salix petiolaris</i>	---	---	6/5	8L	---	---
<i>Acer Negundo</i>	17/5	11L	10/6	4L	7/5	6L
<i>Betula papyrifera</i>	---	---	13/5	4L	12/5	4L
<i>Thermopsis rhombifolia</i>	---	---	14/5	4L	---	---
<i>Amelanchier alnifolia</i>	28/5	12L	16/5	3L	20/5	6L
<i>Prunus pennsylvanica</i>	---	---	20/5	N	25/5	8L
<i>Viola rugulosa (V. canadensis auct.)</i>	---	---	15/5	7E	24/5	4L
<i>Smilacina stellata</i>	---	---	25/5	2L	buds frozen	
<i>Prunus americana</i>	22/5	6L	---	---	---	---
<i>Hierochloë odorata</i>	---	---	24/5	7L	---	---
<i>Crataegus sp. (hawthorn)</i>	9/6	13L	3/6	6L	31/5	1L
<i>Prunus melanocarpa</i>	10/6	13L	6/6	10L	1/6	6L
<i>Viburnum Lentago</i>	16/6	12L	---	---	---	---
<i>Cornus sp. (dogwood)</i>	---	---	6/6	7L	11/6	10L
<i>Elaeagnus commutata</i>	---	---	15/6	11L	12/6	8L
<i>Lonicera glaucescens</i>	---	---	22/6	14L	13/6	4L
<i>Viburnum trilobum</i>	---	---	---	---	buds frozen	
<i>Viburnum pubescens</i>	18/6	8L	---	---	---	---
<i>Achillea lanulosa</i>	---	---	16/6	6L	2/7	6L
<i>Diholoos bisulcatus</i>	---	---	17/6	6L	---	---
<i>Anemone canadensis</i>	19/6	11L	29/6	18L	23/6	1E
<i>Galium boreale</i>	---	---	24/6	10L	20/6	4L
<i>Rosa alcea</i>	---	---	23/6	5L	---	---
<i>Bromus inermis</i>	29/6	7L	29/6	5L	4/7	7L
<i>Gaillardia aristata</i>	---	---	1/7	8L	---	---
<i>Campanula petiolata</i>	---	---	2/7	9L	---	---
<i>Spiraea alba</i>	---	---	10/7	8L	---	---
<i>Symphoricarpos occidentalis</i>	---	---	2/7	3E	7/7	3L
<i>Psoraleidum argophyllum</i>	---	---	12/7	3L	---	---
<i>Chrysopsis hirsutissima</i>	---	---	29/6	1E	---	---
<i>Phleum pratense</i>	---	---	---	---	14/7	7L
<i>Lactuca pulchella</i>	---	---	10/7	N	16/7	2L
<i>Chamaenerion spicatum</i>	---	---	---	---	14/7	4L
<i>Agastache anethiodora</i>	---	---	---	---	14/7	2L
<i>Cirsium Flodmanii</i>	---	---	17/7	2L	---	---
<i>Solidago missouriensis</i>	---	---	17/7	2L	---	---
<i>Solidago canadensis</i>	---	---	---	---	20/7	2L
<i>Grindelia perennis</i>	---	---	25/7	2L	---	---
<i>Oligoneuron canescens</i>	---	---	31/7	6L	---	---
<i>Aster laevis (purple)</i>	---	---	2/8	3L	30/7	1E
<i>Thatcher Wheat:</i>						
Sown	28/4	4L	18/4	6E	28/4	2L
Emerged	17/5	12L	6/5	3E	8/5	N
Headed	8/7	10L	1/7	1L	5/7	4L
Harvested	6/8	2L	29/7	8E	16/8	2L