

Phenological Data - 1949

The records were taken this year by B. Peturson at Winnipeg, R.C. Russell at Saskatoon, and S.G. Fushtey at Edmonton. They show that the season was from five to ten days early at Winnipeg up to the middle of June. At Saskatoon flowers bloomed at or close to their average dates throughout the season. At Edmonton, the season was somewhat early up to the end of May, lagged slightly in June, and finished about normal. The wheat, of which records were kept, was sown at widely different dates at all three places, so that comparisons relating to it are rather difficult to make. At Winnipeg the wheat was sown nine days earlier than usual and was harvested twelve days earlier than usual. At Saskatoon wet, cool weather held up the harvest, so that the wheat was harvested 16 days late although it developed throughout most of the growing season only five or six days behind the normal. At Edmonton wheat sown 13 days late gained several days and was harvested one week later than usual (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	13/4	3E	Anemone canadensis	2/6	2E
Acer Negundo	1/5	2L	Bromus inermis	15/6	5E
Prunus pennsylvanica	9/5	5E	Phleum pratense	20/6	5E
Smilacina stellata	15/5	4E	Solidago canadensis	3/8	3L

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

Acer saccharinum	6/4	5E	Carya cordiformis	10/6	3E
Ulmus americana	22/4	4E	Tilia americana	3/7	4E
Acer saccharum	4/5	4E	Polygonum cuspidatum	3/9	1L
Pinus sylvestris	25/5	4E	Hamamelis virginiana	19/9	9E

At Ottawa the spring season opened, with the flowering of Acer saccharinum, five days ahead of average. Throughout spring and summer the season continued from three to four days earlier than average (W.H. Minshall).

SUMMARY OF PHENOLOGICAL DATA TAKEN AT  
WINNIPEG, SASKATOON, and EDMONTON, IN 1949

	<u>Winnipeg</u>		<u>Saskatoon</u>		<u>Edmonton</u>	
<i>Pulsatilla Ludoviciana</i>	--	--	17/4	N	--	--
<i>Populus tremuloides</i>	20/4	5 E	24/4	1 L	19/4	5 E
<i>Phlox Hoodii</i>	--	--	29/4	4 L	--	--
<i>Salix petiolaris</i>	--	--	4/5	2 L	--	--
<i>Acer Negundo</i>	29/4	8 E	7/5	1 L	25/4	7 E
<i>Betula papyrifera</i>	--	--	10/5	1 L	28/4	10 E
<i>Thermopsis rhombifolia</i>	--	--	10/5	N	--	--
<i>Prunus americana</i>	4/5	9 E	--	--	--	--
<i>Amelanchier alnifolia</i>	7/5	9 E	14/5	1 L	10/5	5 E
<i>Hierochloë odorata</i>	--	--	17/5	N	--	--
<i>Prunus pennsylvanica</i>	--	--	20/5	1 L	12/5	5 E
<i>Viola rugulosa</i>	--	--	22/5	1 L	16/5	4 E
<i>Smilacina stellata</i>	16/5	7 E	24/5	1 L	26/5	N
<i>Prunus sp. (Chokecherry)</i>	17/5	10 E	28/5	1 L	21/5	5 E
<i>Crataegus sp. (Hawthorn)</i>	16/5	10 E	28/5	1 L	--	--
<i>Viburnum Lentago</i>	29/5	6 E	--	--	--	--
<i>Cornus sp. (Dogwood)</i>	20/5	7 E	30/5	1 L	28/5	3 E
<i>Elaeagnus commutata</i>	--	--	4/6	1 L	30/5	5 E
<i>Lonicera glaucescens</i>	--	--	8/6	1 L	31/5	8 E
<i>Viburnum trilobum</i>	--	--	--	--	--	--
<i>Viburnum pubescens</i>	3/6	6 E	--	--	--	--
<i>Anemone canadensis</i>	2/6	5 E	10/6	1 L	25/6	1 E
<i>Achillea lanulosa</i>	--	--	10/6	1 L	29/6	3 L
<i>Dihelcos bisulcatus</i>	--	--	11/6	1 L	--	--
<i>Galium boreale</i>	--	--	13/6	1 L	20/6	?
<i>Rosa alcea</i>	--	--	17/6	1 E	--	--
<i>Gaillardia aristata</i>	--	--	23/6	1 L	--	--
<i>Campanula petiolata</i>	--	--	23/6	N	--	--
<i>Bromus inermis</i>	13/6	8 E	24/6	N	29/6	2 L
<i>Chrysopsis hirsutissima</i>	--	--	29/6	N	--	--
<i>Spiraea alba</i>	--	--	2/7	1 L	--	--
<i>Symphoricarpos occidentalis</i>	--	--	4/7	1 L	6/7	2 L
<i>Psoralidium argophyllum</i>	--	--	10/7	N	--	--
<i>Phleum pratense</i>	--	--	--	--	8/7	1 L
<i>Lactuca pulchella</i>	--	--	9/7	N	11/7	2 E
<i>Chamaenerion spicatum</i>	--	--	--	--	11/7	1 L
<i>Agastache anethiodora</i>	--	--	--	--	8/7	3 E
<i>Cirsium Flodmanii</i>	--	--	15/7	N	--	--
<i>Solidago missouriensis</i>	--	--	15/7	1 L	--	--
<i>Solidago canadensis</i>	--	--	--	--	19/7	1 L
<i>Grindelia perennis</i>	--	--	23/7	1 E	--	--
<i>Oligoneuron canescens</i>	--	--	25/7	N	--	--
<i>Aster ericoides</i>	--	--	28/7	N	--	--
<i>Aster laevis</i>	--	--	30/7	N	30/7	1 E
Wheat .....	16/4	9 E	30/4	5 L	12/5	13 L
..... sown						
..... emerged			16/5	6 L	20/5	10 L
..... headed	17/6	11 E	6/7	6 L	5/7	3 L
..... harvested	24/7	12 E	22/8	16 L	22/8	7 L