

Phenological Data - 1944

by
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The data in the accompanying table are from records secured by M.W. Cormack at Edmonton, R.C. Russell at Saskatoon, and B. Peturson at Winnipeg; they have now been collected regularly for eight years. The figures in the second column under each place give the number of days earlier or later than the 8-year average.

The spring and summer records were consistently earlier than average at all three places. Unfortunately, records of early-sown wheat could not be obtained at Saskatoon, so that the dates obtained for wheat were late throughout the season.

Mr. Peturson also supplied the dates when the following rusts were observed in Manitoba:

Melampsora lini I	Winnipeg	26/5
" " II	"	2/6
Puccinia coronata		
Avenae I	"	10/6
Puccinia triticina II	Deloraine	20/6
" coronata		
Avenae II	Macdonald	4/7
Puccinia graminis		
Avenae II	Winnipeg	11/7
Puccinia graminis		
Triticici II	Ste. Agathe	11/7

For nine plants in the main list Dr. W.H. Minshall has supplied the following dates of first anthesis at Ottawa:

Populus tremuloides	26/4	Anemone canadensis	28/5
Acer Negundo	2/5	Bromus inermis	12/6
Prunus pennsylvanica	13/5	Phleum pratense	22/6
Smilacina stellata	17/5	Solidago canadensis	18/7
Viola canadensis	6/5		

Dr. Minshall has also supplied the following figures for anthesis dates of four trees at Ottawa, to allow comparison with other years:

	<u>9-year Average</u>	<u>1943</u>	<u>1944</u>
Acer saccharinum	16/4	23/4	17/4
Ulmus americana	29/4	7/5	30/4
Acer saccharum	9/5	19/5	6/5
Pinus sylvestris	26/5	2/6	24/5

Summary of Phenological Data Taken at
Winnipeg, Saskatoon, and Edmonton, in 1944

Species	Winnipeg		Saskatoon		Edmonton	
<i>Pulsatilla Ludoviciana</i>	--	--	17/4	N	--	--
<i>Populus tremuloides</i>	21/4	5E	20/4	2E	15/4	6E
<i>Phlox Hoodii</i>	--	--	23/4	3E	--	--
<i>Acer Negundo</i>	29/4	8E	30/4	6E	22/4	8E
<i>Betula papyrifera</i>	--	--	7/5	1E	27/4	11E
<i>Thermopsis rhombifolia</i>	--	--	9/5	N	--	--
<i>Prunus americana</i>	10/5	2E	--	--	--	--
<i>Amelanchier alnifolia</i>	13/5	2E	13/5	1L	7/5	5E
<i>Prunus pennsylvanica</i>	--	--	14/5	4E	8/5	6E
<i>Viola canadensis</i>	--	--	15/5	N	12/5	5E
<i>Hierochloë odorata</i>	--	--	16/5	N	--	--
<i>Smilacina stellata</i>	23/5	1E	20/5	3E	17/5	6E
<i>Prunus melanocarpa</i>	--	--	24/5	1E	18/5	5E
<i>Cragaegus</i> sp. (Hawthorn)	20/5	3E	24/5	1E	19/5	?
<i>Prunus virginiana</i>	23/5	1E	--	--	--	--
<i>Svida</i> sp. (Dogwood)	26/5	2E	26/5	2E	22/5	7E
<i>Elaeagnus commutata</i>	--	--	29/5	3E	1/6	N
<i>Lonicera glaucescens</i>	--	--	2/6	2E	28/5	10E
<i>Viburnum Lentago</i>	29/5	4E	--	--	--	--
<i>Viburnum trilobum</i>	--	--	--	--	30/5	9E
<i>Achillea lanulosa</i>	--	--	--	--	18/6	6E
<i>Viburnum pubescens</i>	2/6	5E	--	--	--	--
<i>Anemone canadensis</i>	3/6	5E	30/5	9E	8/6	8E
<i>Diholcos bisulcatus</i>	--	--	5/6	4E	--	--
<i>Galium boreale</i>	--	--	6/6	5E	6/6	9E
<i>Rosa alcea</i>	--	--	15/6	3E	--	--
<i>Campanula petiolata</i>	--	--	12/6	9E	--	--
<i>Gaillardia aristata</i>	--	--	19/6	3E	--	--
<i>Bromus inermis</i>	16/6	4E	23/6	N	21/6	4E
<i>Agrimonia striata</i>	--	--	--	--	19/6	10E
<i>Symphoricarpos occidentalis</i>	19/6	7E	29/6	5E	28/6	4E
<i>Psoralidium argophyllum</i>	--	--	29/6	10E	--	--
<i>Phleum pratense</i>	--	--	--	--	2/7	3E
<i>Chamaenerion spicatum</i>	--	--	--	--	5/7	3E
<i>Spiraea alba</i>	--	--	26/6	8E	--	--
<i>Lactuca pulchella</i>	--	--	3/7	6E	10/7	3E
<i>Chrysopsis hirsutissima</i>	--	--	28/6	1E	--	--
<i>Agastache anethiodora</i>	--	--	--	--	4/7	7E
<i>Solidago canadensis</i>	--	--	--	--	12/7	4E
<i>Grindelia</i> sp. (Gum Weed)	--	--	18/7	4E	--	--
<i>Oligoneuron canescens</i>	--	--	25/7	1L	--	--
<i>Aster laevis</i>	--	--	28/7	1E	22/7	9E
<i>Aster crassulus</i>	--	--	17/7	9E	26/7	?
Thatoher Wheat: Sown	17/4	6E	* 5/5	9L	21/4	5E
Emerged	1/5	2E	15/5	5L	2/5	5E
Headed	25/6	N	2/7	3L	27/6	3E
Harvested	1/8	1E	10/8	5L	12/8	2E

* No earlier dates of seeding data were available.