

Study on flowering period of the plants in the herbaceous border at the Royal Horticulture Society's Garden at Wisley

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英国王立園芸協会ウィズレーガーデンの宿根草ボーダーにおける開花調査

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Summary

Plant material and results

Flowering period of the plants in the herbaceous border at the Royal Horticultural Society's Garden at Wisley was observed. The observation was conducted every two weeks from 26th of July to 9th of November in 1993, and from 3rd of March to 12th of July in 1994. In Table 2, the months are placed in calendar order from March to November. Plant height was measured at the time of full bloom. There was heavy frost for 4 successive days from 15th October in 1993. Most flowers were damaged by the frost. The mean monthly maximum and minimum temperature in 1993 and 1994 is shown in Table 1. Scientific names of plants were confirmed by 「The RHS Plant Finder 1997-98, D. K.」.

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Table 1. Mean monthly maximum and minimum temperature at the Wisley Garden in 1993 and 1994

		March	April	May	June	July	August	September	October
1993	mean maximum	11.6 °C	14.4	17.5	21.3	20.9	21.1	17.0	13.0
	mean minimum	1.1	5.1	6.6	10.4	11.5	9.8	8.1	5.7
1994	mean maximum	12.0	12.9	15.9	20.8	25.3	22.2		
	mean minimum	5.0	4.6	7.3	10.2	13.5	12.6		

Plant Name	Height (cm)	D a t e																			
		8/March	22	5/April	19	3/May	17	31	14/June	28	12/July	26	5/Aug	18	1/Sep	13	27	12/Oct	19	9/Nov	
Ceanothus 'Topaze'	170								X		●	X									
Centaurea dealbata	45				X			○	△	△	△	X									
Centaurea glastifolia	130							○	○	●	△	X									
Centaurea hypoleuca 'John Coutts'	35			X		○		△	△	△	△	△	△	△	△	△	△	△	△	△	X
Centaurea pulcherrima	75					X		△	△	△	X										
Centaurea 'Pulchra Major'	75					X		△	△	△	X										
Centranthus ruber atrococcineus	65				X	○		●	●	△	△	△	△	△	△	△	△	△	△	△	X
Cephalaria gigantea	160				X	○		●	●	△	X										
Chelone obliqua	—										X										X
Cirsium rivulare 'Atropurpureum'	100				X	○		●	●	△	△	△	△	△	△	△	△	△	△	△	△
Clematis x durandii	140					X		●	●	●	●	●	●	△	△	X					
Clematis 'Hagley Hybrid'	170				X	○		●	●	△	X										
Clematis heracleifolia var. davidiana 'Wyevalé'	—									X	○										X
Clematis viticella 'Alba Luxurians'	100					X		●	●	△	△	△	△	△	△	△	△	△	△	△	X
Clematis viticella 'Kermesina'	280							X	X	○	●	●	●	△	△	X					
Clematis viticella 'Purpurea Plena Elegans'	—								X	○	●	●	●	△	△	X					
Clethra alnifolia 'Paniculata'	—									X	○	△	△	△	△	X					
Coreopsis verticillata 'Moonbeam'	—								X	○	●	●	●	△	△	X					
Cornus alba 'Elegantissima'	110				X	●		△	X	○	X										
Cornus alba 'Spaethii'	—																				
Cortaderia 'Pumila'	—																				●
Cotinus coggygia 'Royal Purple'	—																				●
Crambe cordifolia	—								●	○											●
Crambe maritima	75							△	△	X	X										
Crataegus monogyna 'Stricta'	300							X	●	●	X										
Crocosmia	—										X										X
Crocosmia 'Lady Hamilton'	—									X	○	●	●	△	△	●	△	△	△	△	X
Crocosmia masoniorum	95							X	X	●	●	△	△	X	X						
Crocosmia paniculata	—									X	○	○	△	△	X						
Cynoglossum grande	60								X	●	●	●	△	△	△	△	△	△	△	△	X
Cytisus x praecox	40								X	○	●	●	X	X	△	△	△	△	△	△	X

Plant Name	Height (cm)	D a t e																		
		8/March	22	5/April	19	3/May	17	31	14/June	28	12/July	26	5/Aug	18	1/Sep	13	27	12/Oct	19	9/Nov
Polygonum 'Fire Tail'	90				X	O	O	O	O	O	●	●	●	●	●	●	●	△	X	
Polygonum millettii	70				O	●	●	●	●	●	●	●	●	●	●	●	●	△	X	
Potentilla fruticosa 'Abbotswood'	90				●	△	△	△	△	△	△	△	△	△	△	△	△	△	X	
Potentilla fruticosa 'Beesii'	40		X		X	●	●	●	●	●	●	●	●	●	●	●	●	△		
Potentilla gelida 'Gibson's Scarlet'	60				O	X	X	X	X	X	X	X	X	X	X	X	X	△		
Potentilla nepalensis 'Miss Willmott'	20				O	O	O	O	O	O	△	△	△	△	△	△	△	△		
Potentilla recta 'Macrantha'	55				O	O	O	O	O	O	△	△	△	△	△	△	△	△		X
Potentilla 'Warrenii'	35				O	●	●	●	●	●	●	●	●	●	●	●	●	△		
Potentilla 'Yellow Queen'	40				X	△	△	△	△	△	△	△	△	△	△	△	△	△		
Pyrethrum 'Eileen May Robinson'	85				X	O	●	●	●	●	●	●	●	●	●	●	●	△		
Romneya coulteri	120					X	●	●	●	●	●	●	●	●	△	X				
Romneya 'White Cloud'	130					X	X	X	X	X	X	X	X	X	X	X	X	X		
Rosa glauca	140					O	O	O	O	O	O	O	O	O	O	O	O	O		
Rubus odoratus	180				X	O	●	●	●	●	●	●	●	●	●	●	●	△		
Rudbeckia fulgida var. deamii	—										●	●	●	●	●	●	●	△	X	
Rudbeckia 'Goldquelle'	80						X	X	X	X	X	X	X	X	X	X	X	△		X
Rudbeckia 'Herbstsonne'	—										●	●	●	●	●	●	●	△	X	
Rudbeckia maxima	—									X	●	●	●	●	●	●	●	△	X	
Rudbeckia subtomentosa	—										●	●	●	●	●	●	●	△	X	
Salvia guaranitica	—						X	X	X	X	X	X	X	X	X	X	X	△	X	
Salvia haematodes	130						X	X	X	X	X	X	X	X	X	X	X	△	X	
Salvia microphylla var. neurepia	70									●	●	●	●	●	●	●	●	△	X	
Salvia nemorosa 'East Friesland'	55						X	O	△	△	△	△	△	△	△	△	△	△		X
Salvia officinalis 'Icterina'	—								X	O	O	O	O	O	O	O	O	△		
Salvia x superba	90						X	X	X	X	X	X	X	X	X	X	X	△		
Salvia x sylvestris 'Lye End'	60						X	O	●	●	●	●	●	●	●	●	●	△		
Salvia x sylvestris 'Mainacht'	65						X	O	●	●	●	●	●	●	●	●	●	△		
Sambucus racemosa 'Aurea'	—																			□
Santolina pinnata ssp. neapolitana	30						X	X	X	X	X	X	X	X	X	X	X	△		
Scabiosa caucasica 'Miss Willmott'	60						X	X	X	X	X	X	X	X	X	X	X	△		X
Scabiosa ochroleuca	70							X	X	X	X	X	X	X	X	X	X	△		X
Schizostylis coccinea 'Major'	—																	△		X

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		8/March	22	5/April	19	3/May	17	31	14/June	28	12/July	26	5/Aug	18	1/Sep	13	27	12/Oct	19	9/Nov	
Schizostylis 'Sunrise'	70													○	●	●	●	●	×	×	
Sedum 'Autumn Joy'	—													○	●	●	△	△			×
Sedum 'Ruby Glow'	—												×	●	●	△	×				
Sedum spectabile 'Carmen'	70												×	●	●	△	△	×			
Sedum telephium subsp. maximum 'Atropurpureum'	—												×	○	●	△	×				
Sedum 'Vera Jameson'	—												×	○	●	●	●	×			
Selinum tenuifolium	100							×	●	●	×										
Sidalcea 'Oberon'	105						×	×	●	●	△	×									
Sidalcea 'Reverend Page Roberts'	60						×	×	○	●	△	×									
Sisyrinchium striatum 'Aunt May'	70					×	○	●	△	△	△	×									
Solidago 'Goldenmosa'	—							×	○	●	●	●	×	△	×						
Spartium junceum	160						×	×	○	●	●	●	△	△	△	△	×	×			
Spiraea japonica var. albiflora	60						×	×	○	●	●	△	×	△	△	△	×	×			
Spiraea japonica 'Anthony Waterer'	60					×	×	●	○	○	○	×		△	△	△	△	×			
Stachys byzantina	80						×	●	×	×	●	×		●	△	△	△	×			
Stachys byzantina 'Silver Carpet'	—										×	×		●	●	△	△	×			
Stachys officinalis 'Rosea Superba'	40					×	×	○	○	●	●	△	×	○	●	●	●	●			
Tamarix pentandra	—													○	●	●	●	●			×
Thalictrum aquilegifolium 'Thundercloud'	70						△	×	×	×				○	●	△	×				
Thalictrum delavayi 'Hewitt's Double'	—													●	●	△	×				
Thalictrum speciosissimum	180						×	×	○	△	△	●	×	●	●	△	×				
Tradescantia 'Isis'	50						×	●	●	●	●	●	●	△	△	△	△	×			
Tradescantia 'Osprey'	60						×	●	●	●	●	△	△	△	△	△	△	×			
Verbascum (yellow)	140						○	○	○	△	×	×		△	△	△	△	×			
Verbascum chaixii 'Golden Bush'	120						×	×	△	△	×	×		△	△	△	△	×			
Verbena bonariensis	—																				×
Veronica crinita	300													○	●	●	●	△	×		
Veronica exaltata	—							×	×	●	△	△		×	×	×	×	×			
Veronica gentianoides 'Variegata'	40					×	×	×	△	△	×	×		×	×	×	×	×			
Veronica incana 'Silver Carpet'	40						×	○	△	△	×	×		×	×	×	×	×			
Veronica longifolia	110						×	×	●	●	●	●	×	△	△	△	△	×			
Veronica longifolia 'Blauer Sommer'	150						×	×	×	●	●	●	×	△	△	△	△	×			

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		8/March	22	5/April	19	3/May	17	31	14/June	28	12/July	26	5/Aug	18	1/Sep	13	27	12/Oct	19	9/Nov
<i>Veronica longifolia</i> 'Foerster's Blue'	90										●	△	△	×	△	△	△	△	△	×
<i>Veronica spicata</i> 'Icele'	—								×	×	●	●	●	△	△	△	△	△	△	×
<i>Veronica spicata</i> 'Red Fox'	50							×	○	○	●	●	×							
<i>Veronicastrum virginicum</i> album	170								×	×	●	●	△	△	△	×				
<i>Viola cornuta</i> Lilacina Group	30				×					●	●	●	△	●	●	●	●	●	△	×
<i>Viola</i> 'Huntercombe Purple'	10		×	●	●	●	●	△	△	△	△	△	△	△	△	△	△	△	△	×
<i>Viola labradorica</i> purpurea	30		×	○	○	●	×													
<i>Waldsteinia ternata</i>	10		×	○	●	×														
<i>Weigela florida</i> 'Foliis Purpureis'	90				×	○	△	×												
<i>Weigela</i> 'Praecox Variegata'	80							×	○	×										
<i>Yucca flaccida</i> 'Ivory'	140								×	●	●	●	△	×						
<i>Zantedeschia</i> 'Crowborough'	120							×	○	●	●	×								

Plant height was measured at the time of .full bloom.

Flowering observation: x = no open flowers observed, ○ = flowering starts,

● = Full bloom, △ =dead flowers exceed open flowers, □ =leaves are beautiful.