



# **FLOWERING AND SOWING TIMES OF BUTTERFLY PLANTS 2018-2019**

**HHI PARK BUTTERFLY GARDEN & PAVILION**

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Species	Flowering Time	Sowing Time	Sowing Location	Germination Time	Pretreatments
<i>Populus alba</i>	Feb-March	Spring	IS or G/C	Depends	Winter cuttings best
<i>Juglans regia</i>	April-June	Oct	G/C	30-180 days	
<i>Quercus calliprinos</i>	Feb-June	Dec	IS or SB	120-365 days	
<i>Quercus infectoria</i>	March-April	Dec	IS or SB	120-365 days	
<i>Ficus carica</i>	April-July	Spring	G/C	20-90 days	
<i>Polygonum amphibium</i>	June-Oct	Spring	G/C	20-60 days	
<i>Polygonum venetianum</i>	April-July	Spring	G/C	20-60 days	
<i>Atriplex rosea</i>	May-Sept	April/May	IS or G/C	7-21 days	
<i>Chenopodium album</i>	Yearlong	Spring	IS	5-10 days	
<i>Amaranthus retroflexus</i>	June-Dec	Spring	IS or G/C	10-20 days	
<i>Amaranthus gracilis</i>	June-Dec	Spring	IS or G/C	10-20 days	
<i>Portulaca oleracea</i>	Yearlong	Spring	IS or G/C	14-21 days	
<i>Dianthus strictus</i>	May-Dec	Spring	G/C	14-28 days	
<i>Clematis vitalba</i>	May-Sept	Oct	G/C	30-270 days	CS
<i>Laurus nobilis</i>	March-May	Early autumn	G/C	Depends	
<i>Capparis spinosa</i>	Feb-Oct	Spring	G/C	Depends	
<i>Isatis tinctoria</i>	May-Aug	Spring	IS or SB	14-42 days	
<i>Sisymbrium officinale</i>	Jan-July	Spring or autumn	IS	10-40 days	
<i>Cardamine hirsuta</i>	Jan-Aug	Spring or autumn	IS	10-40 days	
<i>Eruca vesicaria</i>	Jan-Aug	Spring	IS	10-40 days	

<i>Raphanus raphanistrum</i>	Dec-May	Spring	IS	10-14 days	
<i>Sinapis arvensis</i>	Feb-Aug	Spring	IS	10-14 days	
<i>Erysimum repandum</i>	March-June	Spring	IS	10-20 days	
<i>Rubus hedycarpus</i>	March-Sept	Early autumn	G/C	Depends	CS 1 month
<i>Crataegus azarolus</i>	March-June	Autumn	G/C	180-730 days	WS 3 months, CS 3 months
<i>Crataegus monogyna</i>	March-June	Autumn	G/C	180-730 days	WS 3 months, CS 3 months
<i>Prunus amygdalus</i>	Jan-April	Oct	G/C	120-365 days	PC 5 months, PS overnight, CS 2-3 months
<i>Prunus orientalis</i>	Jan-April	Oct	G/C	120-365 days	PC 5 months, PS overnight, CS 2-3 months
<i>Prunus armeniaca</i>	March-April	Oct	G/C	120-365 days	PC 5 months, PS overnight, CS 2-3 months
<i>Prunus cerasus</i>	May	July	G/C	120-365 days	PC 5 months, PS overnight, CS 2-3 months
<i>Prunus ursina</i>	April	Oct	G/C	120-365 days	PC 5 months, PS overnight, CS 2-3 months
<i>Prunus persica</i>	April	July	G/C	120-365 days	WS 2 months, CS 3 months
<i>Pyrus communis</i>	April-May	Autumn	G/C	120-365 days	CS 8-10 weeks
<i>Rosa dumetorum</i>	June-Aug	Autumn	G/C	120-730 days	PC 3 months, WS, CS, SC
<i>Rosa phoenicia</i>	June-Aug	Autumn	G/C	120-730 days	PC 3 months, WS, CS, SC
<i>Rosa glutinosa</i>	June-Aug	Autumn	G/C	120-730 days	PC 3 months, WS, CS, SC
<i>Pyracantha coccinea</i>	June	Autumn	G/C	40-180 days	PC 6 weeks, CS 3 months
<i>Potentilla anserina</i>	June-Oct	Early spring or autumn	G/C	14-30 days	

<i>Eriobotrya japonica</i>	Nov-March	Spring or winter	G/C	30-180 days	PS 1 day
<i>Fragaria vesca</i>	April-May	Spring or winter	G/C	30-40 days	PS 1 day
<i>Astragalus echinus</i>	July-August	Autumn	G/C	30-270 days	PS 1 day, CS
<i>Cicer arietinum</i>	April-July	April or May	IS	30-90 days	
<i>Alhagi maurorum</i>	June-Sept	March or April	G/C	30-100 days	PS 1 day
<i>Lathyrus pratensis</i>	May-Aug	Spring	IS or G/C	20-30 days	PS 1 day, chipping
<i>Onobrychis cornuta</i>	May-Aug	Spring or autumn	IS or G/C	20-30 days	PS 1 day
<i>Ononis spinosa</i>	April-Aug	Spring or autumn	IS or G/C	20-30 days	PS 1 day, chipping
<i>Coronilla varia</i>	May-Nov	Aug	IS	30-60 days	PS 1 day
<i>Lotus palustris</i>	April-Oct	Spring or autumn	IS or G/C	14-30 days	PS 1 day
<i>Trifolium fragiferum</i>	May-Sept	Spring	IS or G/C	10-60 days	PS 1 day
<i>Trifolium repens</i>	Yearlong	Spring	IS or G/C	10-60 days	PS 1 day
<i>Vicia tenuifolia</i>	May-July	Spring or autumn	IS	20-40 days	PS 1 day
<i>Calicotome villosa</i>	Jan-July	Spring	G/C	20-30 days	PS 1 day
<i>Medicago rotata</i>	March-April	Spring or autumn	IS	20-30 days	PS 1 day
<i>Spartium junceum</i>	April-Sept	Spring or autumn	IS or G/C	7-30 days	PS 1 day
<i>Erodium acaule</i>	Yearlong	Spring or summer	IS	10-20 days	
<i>Geranium rotundifolium</i>	Jan-Aug	Spring	G/C	10-20 days	
<i>Euphorbia peplis</i>	March-Oct	Spring or late summer	IS	14-20 days	PC 7 days, PS 1-2 hours
<i>Euphorbia helioscopia</i>	March-Oct	Spring or late summer	IS	14-20 days	PC 7 days, PS 1-2 hours

<i>Euphorbia altissima</i>	March-Oct	Spring or late summer	IS	14-20 days	PC 7 days, PS 1-2 hours
<i>Chrozophora tinctoria</i>	May-Oct	Spring or late summer	IS	14-20 days	
<i>Acacia farnesiana</i>	Yearlong	Spring	G/C	20 days	PS, scarification
<i>Citrus limon</i>	Jan-Dec	Spring	G/C	14-20 days	
<i>Citrus sinensis</i>	Yearlong	Spring	G/C	14-20 days	
<i>Ziziphus jujuba</i>	April-June	Sept or Oct	G/C	120-365 days	WS 3 months, CS 3 months
<i>Vitis vinifera</i>	May-July	Sept	G/C	Depends	Winter cuttings best
<i>Alcea damascena</i>	May-Sept	Spring or autumn	G/C	14-20 days	
<i>Alcea kurdica</i>	June-Sept	Spring or autumn	G/C	14-20 days	
<i>Alcea setosa</i>	May-Dec	Spring or autumn	G/C	14-20 days	
<i>Alcea digitata</i>	June-Sept	Spring or autumn	G/C	14-20 days	
<i>Malva sylvestris</i>	March-Sept	Early spring	IS	10-14 days	
<i>Hibiscus syriacus</i>	June-Oct	Early spring	IS	10-30 days	
<i>Hibiscus rosa-sinensis</i>	Yearlong	Early spring	IS	30-60 days	
<i>Punica granatum</i>	May-Sept	Spring	G	30-40 days	PS
<i>Hedera helix</i>	Oct-March	Spring	G/C	Depends	CS 1 month, scarification
<i>Ammi majus</i>	May-Oct	Spring or autumn	IS	7-21 days	
<i>Daucus carota</i>	April-Aug	Early spring to early summer	IS or SB	7-21 days	
<i>Foeniculum vulgare</i>	June-Oct	Early spring or autumn	IS	10-14 days	
<i>Petroselinum crispum</i>	April-Aug	Spring or summer	IS or G/C	7-10 days	
<i>Eryngium creticum</i>	May-Oct	Spring or early autumn	IS or G/C	5-90 days	

<i>Eryngium glomeratum</i>	June-Aug	Spring or early autumn	IS or G/C	5-90 days	
<i>Eryngium desertorum</i>	July-Oct	Spring or early autumn	IS or G/C	5-90 days	
<i>Jasminum fruticans</i>	Feb-Aug	Early summer	IS	20-30 days	
<i>Anchusa strigosa</i>	Feb-July	Spring	G/C	7-30 days	
<i>Echium italicum</i>	Feb-Sept	Early spring or autumn	IS	14-20 days	
<i>Lappula barbata</i>	April-Sept	Spring	IS	14-20 days	
<i>Heliotropium hirsutissimum</i>	March-Sept	Early spring	IS	14-56 days	
<i>Lavandula stoechas</i>	May-Aug	Spring	G/C	30-90 days	PC 1 month
<i>Origanum syriacum</i>	May-Sept	Early spring	G/C	7-14 days	
<i>Origanum libanoticum</i>	March-Sept	Early spring	G/C	7-14 days	
<i>Thymus syriacus</i>	June-Oct	Spring or autumn	G/C	14-30 days	
<i>Mentha aquatica</i>	July-Nov	Spring	G/C	10-20 days	
<i>Mentha pulegium</i>	June-Oct	Spring	G/C	10-20 days	
<i>Lycopus europaeus</i>	Yearlong	Spring	G/C	10-20 days	
<i>Satureja thymbra</i>	Yearlong	Spring	G/C	10-30 days	
<i>Micromeria libanotica</i>	May-Aug	Spring	G/C	10-30 days	
<i>Nepeta italica</i>	April-Sept	Spring	IS	7-21 days	
<i>Phlomis kurdica</i>	May-Aug	Spring	G/C	14-42 days	
<i>Phlomis chrysophylla</i>	May-Aug	Spring	G/C	14-42 days	
<i>Phlomis syriaca</i>	May-Aug	Spring	G/C	14-42 days	
<i>Stachys neurocalycina</i>	March-May	Spring	G/C	14-30 days	

<i>Stachys longispicata</i>	July-Aug	Spring	G/C	14-30 days	
<i>Rosmarinus officinalis</i>	Yearlong	Spring	G/C	14-40 days	
<i>Ballota saxatilis</i>	May-Sept	Spring	G/C	10-30 days	
<i>Convolvulus arvensis</i>	April-Sept	Spring	G/C	5-14 days	PS, scarification
<i>Ipomoea purpurea</i>	April-Nov	Early spring	G/C	30-90 days	PS 1 day
<i>Rubia tinctorum</i>	May-June	Late summer	IS	Depends	
<i>Datura stramonium</i>	May-Oct	Spring	IS or G/C	21-42 days	
<i>Nicotiana tabacum</i>	March-Sept	Autumn	IS or G/C	10-20 days	
<i>Mandragora autumnalis</i>	Dec-March	Spring	IS or G/C	50-60 days	
<i>Veronica anagallis-aquatica</i>	Feb-Sept	Spring or autumn	IS or G/C	14-30 days	
<i>Anarrhinum orientale</i>	May-July	March or July	IS or G/C	10-21 days	
<i>Antirrhinum majus</i>	April-Sept	March	IS or G/C	10-21 days	
<i>Linaria arvensis</i>	March-Oct	Early spring	IS	10-21 days	
<i>Verbascum gaillardotii</i>	March-Sept	Spring	IS or G/C	14-30 days	
<i>Plantago lanceolata</i>	March-Sept	Spring	G/C	Depends	
<i>Lonicera etrusca</i>	April-Sept	Spring or autumn	G/C	180 -200 days	CS 3 months
<i>Dipsacus laciniatus</i>	June-Sept	Early spring or autumn	IS	5-30 days	
<i>Centaurea solstitialis</i>	April-Sept	Spring or autumn	G/C	7-14 days	
<i>Centaurea verutum</i>	May-Aug	Spring or autumn	G/C	7-14 days	

<i>Chrysanthemum coronarium</i>	Feb-Sept	Spring or early autumn	IS	10-18 days	
<i>Cirsium vulgare</i>	June-Dec	Spring or early summer	IS	14-18 days	
<i>Cirsium phyllocephalum</i>	July-Dec	Spring or early summer	IS	14-18 days	
<i>Carduus pycnocephalus</i>	April-June	Spring	IS	14-18 days	
<i>Carlina involucrata</i>	June-Nov	Spring	G/C	30-60 days	
<i>Ptilostemon diacantha</i>	June-Sept	Spring	G/C	10-40 days	
<i>Picris strigosa</i>	June-Aug	Spring	G/C	30-70 days	
<i>Chondrilla juncea</i>	July-Oct	Spring	G/C	30-40 days	
<i>Solidago glabra</i>	July-Aug	Spring	G/C	14-42 days	
<i>Echinops viscosus</i>	May-Aug	Spring	IS or G/C	14-60 days	
<i>Lactuca serriola</i>	July-Sept	Spring	IS	10-20 days	
<i>Cichorium intybus</i>	May-July	Spring	IS or G/C	10-40 days	
<i>Silybum marianum</i>	March-Sept	Spring or autumn	IS	14-21 days	
<i>Inula viscosa</i>	June-Dec	Spring or late summer	IS or G/C	14-42 days	
<i>Pulicaria dysenterica</i>	Aug-Nov	Spring or autumn	G/C	10-40 days	
<i>Taraxacum officinale</i>	Jan-July	Spring	G/C	10-14 days	
<i>Eupatorium cannabinum</i>	July-Nov	Spring	IS or G/C	30-90 days	
<i>Helianthus annuus</i>	April-June	Spring or autumn	IS	10-14 days	
<i>Xanthium spinosum</i>	July-Oct	Spring	IS	10-40 days	



<i>Xanthium strumarium</i>	Yearlong	Spring	IS	10-40 days	
<i>Rhus coriaria</i>	April-June	Early spring	IS or G/C	30-90 days	WS, CS 3 months
<i>Allium ampeloprasum</i>	April-Aug	Spring	G/C	30-365 days	
<i>Arundo donax</i>	June-Nov	Spring	IS	10-20 days	
<i>Phragmites australis</i>	June-Oct	Spring	IS	10-20 days	
<i>Poa annua</i>	Feb-Dec	Spring	G/C	10-20 days	
<i>Arrhenatherum elatius</i>	April-July	Spring	G/C	10-20 days	
<i>Arrhenatherum palaestinum</i>	May-July	Spring	G/C	10-20 days	
<i>Holcus lanatus</i>	May-Aug	Anytime	IS	10-14 days	
<i>Oryzopsis miliacea</i>	Yearlong	Spring	IS or G/C	10-14 days	
<i>Alopecurus arundinaceus</i>	March-July	Spring or summer	IS or SB	14-21 days	
<i>Zea mays</i>	July-Oct	April or May	IS or G/C	5-14 days	
			IS: in situ, G/C: greenhouse or coldframe, SB: seedbed		PC: pre-chilling, PS: pre-soaking, WS: warm stratification, CS: cold stratification

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