

## List of problem species requiring verification and/or rearing

Host plants and gall causing species are taken from *British Plant Galls* (Redfern, Shirley & Bloxham, 2011). The most common problem galls are caused by gall midges and by fungi.

FUNGI	<i>Synchytrium aureum</i> galls many hosts; probably a species-complex
ACER	<i>Dasineura irregularis</i> on sycamore <i>Dasineura rubella</i> on field maple <i>Drisina glutinosa</i> on sycamore
ATRIPLEX	<i>Stephaniella</i> – all species
CARDUUS	<i>Urophora solstitialis</i> <i>Rhinocyllus conicus</i> <i>Larinus planus</i>
CAREX	<i>Planetella</i> – all species
CENTAUREA	<i>Urophora cuspidata</i> <i>Dasineura miki</i>
CHAMAERION	<i>Craspedolepta nebulosa</i> and <i>C. subpunctata</i> : to separate species requires nymphs to be present.
CORYLUS	<i>Phyllocoptruta coryli</i> and <i>Contarinia coryli</i> require mites or midge larvae to be present
CUSCUTA	<i>Smicronyx coecus</i> and <i>S. jungermanniae</i>
CYTISUS	<i>Dasineura vallisumbrosae</i> <i>Protopirapion atratum</i> and <i>Pirapion immune</i> <i>Asphondylia sarothamni</i> and <i>A. pilosa</i>
EUPHORBIA	All rosette/artichoke galls at shoot tip of all spurges
FILIPENDULA	<i>Dasineura harrisoni</i> and <i>D. engstfeldi</i>
FRAXINUS	<i>Prociphilus fraxini</i> and <i>P. bumeliae</i> <i>Psyllopsis discrepans</i>
GALEOPSIS	<i>Cryptomyzus galeopsidis</i>
GALIUM	<i>Geocrypta rostriformis</i> , <i>Dasineura galiicola</i> , <i>D. hygophila</i> and <i>Contarinia molluginis</i>
GENTIANELLA	<i>Smicronyx reichi</i>
GERANIUM/ERODIUM	<i>Dasineura geranii</i> and other swollen flower bud galls
GLECHOMA	<i>Dasineura glechomae</i> in shoot tip pouch and swollen flower buds
HELIANTHEMUM	<i>Dasineura helianthemii</i>
HIERACIUM	<i>Nasovonia nigra</i>
HIPPOCREPIS	<i>Macrolabis hippocrepidis</i>
HYPERICUM	<i>Zeuxdiplosis giardi</i> <i>Dasineura hyperici</i> and <i>D. serotina</i>
JUNIPERUS	<i>Oligotrophus gemmarum</i> and <i>Oligotrophus schmidtii</i>
LAMIUM	<i>Dasineura lamii</i> <i>Dasineura lamiicola</i> and <i>Macrolabis lamii</i>
LATHYRUS	<i>Dasineura silvestris</i> and <i>D. fairmairei</i> <i>Contarinia jaapi</i> , <i>Dasineura lathricola</i> and <i>D. lathyri</i> <i>Aculus lathyri</i> , <i>Jaapiella volvens</i> , <i>Anabremia bellevoeyi</i>
LEUCANTHEMUM	<i>Rhopalomyia chrysanthemi</i>
LIGUSTRUM	<i>Placochela nigripes</i>
LINARIA	<i>Rhinusa linariae</i> and <i>R. collina</i> <i>Rhinusa antirrhini</i>
LINUM/RADIOLA	<i>Dasineura sampaina</i>
LONICERA	<i>Dasineura excavans</i> <i>Macrolabis lonicerae</i> and <i>Dasineura periclymeni</i>
LOTUS	<i>Aceria euaspis</i> <i>Jaapiella loticola</i> and <i>Contarinia barbichei</i>
MALUS	<i>Dysaphis plantaginea</i> and <i>D. devectora</i>
MEDICAGO	<i>Fabomyia medicaginis</i> and <i>Jaapiella jaapiana</i>  <i>Contarinia medicaginis</i> and <i>Dasineura medicaginis</i>
MELILOTUS	<i>Tychius crassirostris</i> and <i>T. meliloti</i>
MENTHA	<i>Aceria megacerus</i> and <i>Aceria mentharius</i>
ORIGANUM	<i>Aphis origani</i> and <i>Blastomyia origani</i>

PERSICARIA	<i>Aphalara polygoni</i> and <i>A. borealis</i>
PHRAGMITES	<i>Wachtliella persicariae</i> and <i>Dasineura bistortae</i>
PICEA	<i>Lipara rufitarsis</i> <i>Pineus similis</i> <i>Adelges nordmanniana</i>
PILOSELLA	<i>Nasovonia pilosellae</i>
PINUS	<i>Thecodiplosis brachyntera</i> and <i>Brachonyx pineti</i>
POACEAE	(except <i>Phragmites</i> ) All species of <i>Mayetiola</i> Swellings on flowering stems containing <i>Tetramesa</i> species
POLYGALA	<i>Dasineura polygalae</i>
POPULUS	<i>Hexomyza schineri</i> <i>Harmandiola cavernosa</i> and <i>H. populi</i> <i>Lasioptera populnea</i> , <i>Harmaniola pustulans</i> <i>Phyllocoptes populi</i> , <i>Aceria varia</i> , <i>Aceria dispar</i> <i>Contarinia tremulae</i> and <i>Dasineura populeti</i> <i>Pemphigus populinigrae</i> , <i>P. phenax</i> and <i>P. gairi</i> <i>Macrolabis brunellae</i> and <i>Dasineura brunellae</i>
PRUNELLA	<i>Monochroa cytisella</i>
PTERIDIUM	<i>Eriophyes pteridis</i> <i>Dasineura pteridicola</i>
PULICARIA	<i>Neomikiella beckiana</i>
QUERCUS	<i>Asterodiaspis</i> species <i>Cynips divisa</i> and <i>C. disticha</i> in sexual galls <i>Cynips quercusfolii</i> , <i>C. longiventris</i> , <i>Andricus gemmeus</i> , <i>Neuroterus albipes</i> , <i>Callirhytis bella</i> all in sexual galls <i>Andricus quercusradicis</i> and <i>A. testaceipes</i> in sexual galls <i>Arnoldiola libera</i> and <i>Polystepha malpighii</i> <i>Cynips quercus</i> in sexual and asexual galls <i>Callirhytis erythrocephala</i> and <i>C. glandium</i> asexual galls in acorns
RANUNCULUS	<i>Dasineura traili</i> and <i>D. auricomi</i>
RHAMNUS	<i>Asphondylia borzi</i> <i>Psylla rhamnocola</i> and <i>Cacopsylla alaterni</i>
RIBES	<i>Dasineura tetensi</i> and <i>D. ribicola</i> on gooseberry, <i>Ribes uva-crispa</i> <i>Cecidophyopsis grossulariae</i> on gooseberry, <i>Ribes uva-crispa</i>
ROSA	smooth pea galls of <i>Diplolepis nervosa</i> and <i>D. eglanteriae</i>
RIBES	<i>Contarinia rubicola</i> and <i>Anthonomus rubi</i>
RUMEX	<i>Apion rubiginosum</i> , <i>Perapion marchicum</i> , <i>A. rubens</i> and any other weevil galls in stems. All gall midges in swollen flower buds
SALIX	Rosette-type galls on willows (all host willows must be accurately identified): <i>Rabdophaga rosaria</i> , <i>R. clavifex</i> , <i>R. rosariella</i> , <i>R. jaapi</i> , <i>R. iteobia</i> , <i>R. terminalis</i> and <i>R. heterobia</i> Stem swellings on willows (all of these must be opened to check family of larva inside); the following also require larvae to be checked/reared: <i>Rabdophaga karshi</i> , <i>R. saliciperda</i> , <i>R. degeerii</i> , <i>R. dubiosa</i> , <i>R. pierreana</i> , <i>R. albipennis</i> <i>Hexomyza simplicoides</i> Shot-hole midges: <i>Rabdophaga purpureaperda</i> , <i>R. justini</i> , <i>R. triandraperda</i> , <i>R. exsiccans</i> , <i>R. niesenii</i> Leaf margin rolls on <i>Salix viminalis</i> : <i>Dasineura marginemtorquens</i> , <i>R. clausilia</i> Petiole or midrib galls: <i>Rabdophaga salicis</i> and <i>R. nervorum</i>
SAMBUCUS	<i>Placochela nigripes</i> , <i>Contarinia sambuci</i>
SAXIFRAGA	<i>Dasineura saxifragae</i>
SCROPHULARIA	<i>Contarinia scrophulariae</i> , <i>Asphondylia scrophulariae</i> <i>Gymnetron beccabungae</i>
SENECIO	<i>Contarinia aequalis</i>
SILENE	<i>Dasineura subterranea</i>
SONCHUS	<i>Timaspis sonchi</i> , <i>Aulacidea follioti</i>
SORBUS	<i>Contarinia floriperda</i>
TAMUS	<i>Schizomyia tami</i>
TRIFOLIUM	<i>Dasineura leguminicola</i>

ULMUS

*Eriosoma anncharlotteae*, *E. patchiae*, *E. grossulariae*, *Colopha compressa*

VACCINIUM

*Jaapiella vacciniorum*, *Dasineura anglica*, *D. vitisidaea*

VERONICA

*Gymnetron villosulum*, *G. beccabungae*, *G. veronicae*

VIBURNUM

*Contarinia viburnorum*, *C. sambuci*

VICIA

*Anabremia viciae*, *Contarinia craccae*, *C. loti*

*Cyanapion gyllenhalii*, *Holotrichapion aethiops*, *Catapion seniculus*

*Megoura viciae*, *Aphis craccae*

*Dasineura loewiana*

VIOLA

*Dasineura affinis*, *D. odoratae*, *D. violahirtae*