**Rutland Natural History Society**

**PLANT GALL REPORT FOR 2023 Recorder Roy Lemmon**

It is difficult to know how the weather affects plant gall production as it is undoubtedly a complex affair. In 2023, after a dry initial two months, with February recording just 23% of the expected rainfall, the year ended up with some 135% of the expected total rainfall.

The number of galls caused by *Chromista* and micro-fungi were up on 2022 by an appreciable amount; but while the number of Rust species galls was a little down, the number of reports, i.e. places where they occurred was well up. These observations tie up with the wetter year conditions of 2023.

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The number of galls on Oak, mostly caused by Gall Wasps, were down by a third over the year although some of the reported numbers were up. There was one new addition to our County list in the Dyer’s Gall, caused by the asexual state of *Andricus* *infectorius*; but on the other hand, no Silk Button Galls were found. Small numbers of Smooth Spangle and Common Spangle Galls were seen.

Our thanks go out to those members who have sent in records.

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|  | Number  |
| **BACTERIA - Rhizobiales** | of Reports |
| *Agrobacterium tumefaciens* on Ash, *Fraxinus excelsior* | 1 |
| *Agrobacterium tumefaciens* on Bramble, *Rubus fruticosus* agg | 1 |
| **CHROMISTA -Oomycetes : Albuginales** |  |
| *Albugo candida* on Groundsel, *Senecio vulgaris* | 1 |
| *Pustula obtusata* on Goat's-beard,*Tragopogon pratensis* | 3 |
|  - **Peronosporales: Downy mildews** |  |
| *Hyaloperonospora niessliana* on Garlic Mustard, *Alliaria petiolata* | 1 |
| **FUNGI** |  |
| **Ascomycota: Erysiphales : Powdery mildews** |  |
| *Podosphaera filipendulae* on Meadowsweet*, Filipendula ulmaria* | 1 |
|  ***Hypocreales:* Choke fungi** |  |
| *Epichloe typhina* on False Oat Grass*, Arrhenatherum elatius* | 1 |
|  **Taphrinales** |  |
| *Protomyces macrosporus* on Ground Elder, *Aegopodium podagraria* | 4 |
| *Taphrina alni* on Alder*, Alnus glutinosa* | 2 |
| *T. populina* on Lombardy Poplar*, Populus nigra cv. Italica* | 1 |
| *T. pruni* on Blackthorn*, Prunus spinosa* | 17 |
|  **Basidiomycota: Microbotryales : Smut-like fungi** |  |
| *Microbotryum lichnidis-dioicae* on White Campion, *Silene latifolia* | 1 |
| *M. silene-dioicae* on Red Campion*, S. dioica* | 1 |
|  **Pucciniales : Rusts** |  |
| *Gymnosporangium sabinae* on Cultivated Pear, *Pyrus communis* | 1 |
| *Kuehneola uredinis* on Bramble | 3 |
| *Melampsora amygdalinae* on Almond Willow, *Salix triandra* | 1 |
| *M. caprearum* on Goat Willow, *S. caprea* | 5 |
| *M. caprearum* on Grey Willow, *S. cinerea* | 6 |
| *M. euphorbiae* on Sun Spurge*,Euphorbia helioscopia* | 1 |
| *M. populnea* on Dog's Mercury, *Mercurialis perennis* | 1 |
| *Phragmidium bulbosum* on Bramble | 20 |
| *P. mucronatum* on Dog-rose, *Rosa canina* | 17 |
| *P. violaceum* on Bramble | 19 |
| *Puccinia aegopodii* on Ground Elder,  | 3 |
| *P.betonicae*  on Betony, *Stachys officinalis* | 1 |
| *P. calcitrapae* on Common Knapweed*, Centaurea nigra* agg*.* | 4 |
| *P. circaeae* on Enchanter's Nightshade*, Circaea lutetiana* | 1 |
| *P. coronata* on Buckthorn, *Rhamnus cathartica* | 2 |
| *P. glechomatis* on Ground Ivy, *Glechoma hederacea* | 12 |
| *P. hieracii var hieracii,* on Common Knapweed | 2 |
| *P. hieracii var hieracii,* on Greater Knapweed, *C. scabiosa* | 1 |
| *P. lagenophorae* on Groundsel | 5 |
| *P. lapsanae* on Nipplewort, *Lapsana communis* | 7 |
| *P.malvacearum* on Common Mallow*, Malva sylvestris* | 10 |
| *P.malvacearum* on Dwarf Mallow*, M. neglecta* | 1 |
| *P.menthae* on Water Mint*, Mentha aquatica* | 2 |
| *P. punctiformis* on Creeping Thistle, *Cirsium arvense* | 5 |
| *Uromyces geranii* on Meadow Cranesbill, *Geranium pratense* | 2 |
| **FLOWERING PLANT Viscaceae** |  |
| *Viscum album,* on Hawthorn, C*rataegus monogyna* | 1 |
| *V.album,* on Cultivated Apple, *Malus pumila* | 1 |
| **ARTHROPODS. Acari Eriophyoidea : Mites** |  |
| *Acalitus brevitarsus* on Alder | 2 |
| *A. stenaspis* on Beech*, Fagus sylvatica* | 1 |
| *Aceria campestricola* on Common Elm*, Ulmus procera* | 1 |
| *A. cephalonea* on Sycamore, *Acer pseudoplatanus* | 9 |
| *A. erinea* on Walnut, J*uglans regia* | 4 |
| *A. exilis* on Large-leaved Lime, *Tilia platyphyllos* | 1 |
| *A. fraxinicola* on Ash | 12 |
| *A.fraxinivora* on Ash | 6 |
| *A. labiatiflorae* on Marjoram, *Origanum vulgare* | 2 |
| *A. macrochela* on Field Maple, *Acer campestre* | 16 |
| *A. macrocheluserinea* agg. on Field Maple | 1 |
| *A. macrorhynca* on Sycamore | 1 |
| *A. myriadeum* on Field Maple | 12 |
| *A.nalepai* on Alder | 3 |
| *A. nervisequa* on Beech | 1 |
| *A. pseudoplatani* on Sycamore | 5 |
| *A. tenella* on Hornbeam, *Carpinus betulus* | 1 |
| *A. tristriata* on Walnut | 1 |
| *Cecidophyes rouhollahi* on Cleavers, *Galium aparine* | 2 |
| *Epitrimerus trilobus* on Elde*r, Sambucus nigra* | 7 |
| *Eriophyes crataegi* on Hawthorn | 2 |
| *E. exilis* on Small-leaved Lime, *Tilia cordata* | 3 |
| *E.homophyllus* on Blackthorn | 1 |
| *E. laevis* on Alder | 2 |
| *E. similis* on Blackthorn | 14 |
| *E. similis* on Wild Plum*, Prunus domestica* | 1 |
| *E. tiliae* on Common Lime*, Tilia x europaea* | 2 |
| *Phyllocoptes goniothorax* on Hawthorn | 17 |
| *P. populi* on Black Poplar, *Populus nigra ssp. betulifolia* | 1 |
| *Stenacis euonymi*  on Spindle, *Euonymus europaeus* | 5 |
| **INSECTS Hemiptera - Psylloidea :Psyllids** |  |
| *Psylla buxi* on Box, *Buxus sempervirens* | 4 |
| *Psyllopsis fraxini* on Ash | 30 |
| *Trichochermes walkeri* on Buckthorn | 2 |
| *Trioza centranthi* on Red Valerian*, Centranthus ruber* | 2 |
| *T.remota* on Pedunculate Oak*, Quercus robur* | 5 |
| *T.rhamni* on Buckthorn | 1 |
|  **Sternorryncha - Aphididae : Aphids** |  |
| *Adelges abietis* on Norway Spruce, *Picea abies* | 1 |
| *Hayhurstia atriplicis* on Spear-leaved Orache*, Atriplex prostrata* | 2 |
| *H. atriplicis* on Common Orache*, A. patula* | 1 |
| *Pemphigus spyrothecae* on Lombardy Poplar | 1 |
| *Tetraneura ulmi* on Wych Elm*, Ulmus glabra* | 1 |
| *T. ulmi* on Elm*, Ulmus* sp*.* | 1 |
|  **Diptera - Anthomyiidae** |  |
| *Chirosia betuleti* on Male Fern, *Dryopteris filix-mas* | 3 |
| *C. betuleti* on Broad Buckler Fern, *D. dilatata* | 1 |
|  **Diptera: Cecidomyiidae : Gall midges** |  |
| *Dasineura auritae* on Goat Willow | 1 |
| *D. auritae* on Grey Willow | 1 |
| *D. crataegi* on Hawthorn | 5 |
| *D. fraxinea* on Ash | 9 |
| *D. plicatrix* on Bramble | 1 |
| *D. pustulans* on Meadowsweet | 3 |
| *D. rosae* on Dog-rose | 9 |
| *D.trifolii* on White Clover*, Trifolium repens* | 4 |
| *D.ulmaria* on Meadowsweet | 4 |
| *D.urticae* on Common Nettle, *Urtica dioica* | 15 |
| *Didymomyia tiliacea* on Small-leaved Lime | 2 |
| *Harmandiola globuli* on Aspen, *Populus tremula* | 1 |
| *Hartigiola annulipes* on Beech | 2 |
| *Iteomyia caprae* on Goat Willow | 1 |
| *I. major* on Goat Willow | 1 |
| *Jaapiella veronicae* on Germander Speedwell, *Veronica chamaedrys* | 5 |
| *Kiefferia pericarpiicola* on Wild Carrot*, Daucus carota* | 1 |
| *Macrodiplosis pustularis* on Pedunculate Oak | 3 |
| *Rabdophaga marginemtorquens* on Osie*r, Salix viminalis* | 4 |
| *R. rosaria* on Goat Willow | 3 |
| *R.rosaria* on Crack Willow, Salix fragilis | 2 |
| *Rondaniola bursaria,*  on Ground ivy | 5 |
| *Semudobia skuhravae* on Birch*, Betula pendula* | 1 |
| *Taxomyia taxi* on Yew, *Taxus baccata* | 1 |
| *Wachtliella stachydis* on Hedge Woundwort*, Stachys sylvatica* | 1 |
| **DIPTERA Tephritidae : Gall flies** |  |
| *Urophora cardui* on Creeping Thistle | 11 |
| *U. stylata* on Spear Thistle, *Cirsium vulgare* | 3 |
| **HYMENOPTERA Tenthredinidae : Sawflies** |  |
| *Blennocampa phyllocolpa* on Dog Rose | 4 |
| *Euura bridgmanii* on Goat Willow | 3 |
| *E. bridgmanii* on Grey Willow | 1 |
| *E. proxima*  Crack Willow | 2 |
| *E. pedunculi* on Goat Willow | 1 |
| *E. triandrae* on Almond Willow | 2 |
|  **Cynipidae : Gall wasps** |  |
| On Pedunculate Oak except where stated otherwise. Galls on Oak are from |  |
| the agamic state of the insect except where stated to be from the sexual stage. |  |
| *Andricus aries,* Ramshorn gall | 2 |
| *A. curvator* Sexual stage | 7 |
| *A. foecundatrix,* Artichoke gall | 2 |
| *A. infectorius,* Dyer's gall | 1 |
| *A. kollari,* Marble gall | 3 |
| *A. quercuscalicis,* Knopper gall | 5 |
| *Biorhiza pallida, sexual stage,* Oak Apple gall | 1 |
| *Cynips agama*  | 2 |
| *C. longiventris*, Striped Pea gall | 1 |
| *C. quercusfolii,* Cherry gall | 4 |
| *Diplolepis nervosa* Pea/Sputnik gall on Dog Rose | 18 |
| *D. rosae* Bedeguar gall on Dog-rose | 16 |
| *Neuroterus albipes* Smooth Spangle gall | 5 |
| *N. anthracinus*  Oyster gall | 2 |
| *N. quercusbaccarum,* Common Spangle gall | 7 |
| **NOTES.** New to our records |  |
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