

AGROMYZIDAE NEWSLETTER

LATEST NEWS FROM THE NATIONAL AGROMYZIDAE RECORDING SCHEME

A BRIEF UPDATE

RECORDS

A total of 82 records were received by the scheme during December, with *Phytomyza ilicis* making up 54% of the records.

The NRS received some great feedback regarding last month's newsletter, so many thanks indeed to all of those who got in touch!

RECORDING GUIDELINES

GRADING OF LEAF-MINES

In last month's newsletter, Sam Thomas suggested a list, which gave an indication whether or not a species can be safely recorded based on the mine alone, would be a great resource to refer to.

As there is very little to be recorded during the winter months, combined with time constraints of the organiser, a 'full' newsletter isn't possible to produce this month, therefore, this seems the perfect opportunity to draw up a provisional list of **ALL UK Agromyzidae**, which offers guidance on the recording each species.

Each species, which is a known leaf-miner, will be graded as follows;

- Grade 1** Easily identifiable by inexperienced recorders
- Grade 2** Care should be taken due to possibility of other causers
- Grade 3** Difficult to determine, all aspects of the mine should be examined. Rearing advised
- Grade 4** As above – can be determined by examination of larva or puparium
- Grade 5** Rearing of adult material essential

Of course, this does not mean recorders can bypass the NRS verification process, especially for Grade 1 species, by not providing images to support records collated.

In cases where the species is not a leaf-miner or its lifestyle is unknown, these will be marked with a * in the 'Grade' column.

GENUS

Agromyza

SPECIES

GRADE

abiens	3,5
al bipennis	5
albitarsis	2
alnibetulae	2
alnivora	1
alunulata	5
ambigua	5
anthracina	2
audcenti	*
bicaudata	*
bicophaga	*
bromi	*
cinerascens	*
conjuncta	*
demeijerei	2
dipsaci	3
erythrocephala	*
felleri	5
ferruginosa	2
filipendulae	2
flaviceps	2
flavipennis	3,5
frontella	3
graminicola	5
hendeli	5
idaeiana	2
igniceps	2
intermittens	5
johannae	2
lathyri	2
lithospermi	2
lucida	5
luteitarsis	5
marionae	*

Agromyza cont.

mobilis	5
mysotidis	3,5
nana	2
nigrella	5
nigrescens	2
nigripes	5
nigrociliata	5
phragmitidis	4
prespana	5
pseudoreptans	4,5
pseudorufipes	5
pulla	3,5
reptans	4,5
rondensis	5
rubiginosa	*
rufipes	5
sulfuriceps	2
varicornis	2
viciae	2
vicifoliae	2

Amauromyza

chenopodivora	*
flavifrons	2
gyrans	2
labiatarum	2
monfalconensis	*
morionella	2
verbasci	1

Aulagromyza

anteposita	*
buhri	*
cornigera	4
discrepans	*
fulvicornis	2
hendeliana	4
heringii	1
lucens	5

Aulagromyza cont.

luteoscutellata	1
orphana	5
populi	2
populicola	2
similis	3,5
tremulae	2
tridentata	3
trivittata	*

Calycomyza

artemisiae	2
humeralis	2

Cerodontha*subgenus**Butomomyza*

angulata	3,5
eucaricis	3,5
mellita	*
pseuderrans	3,5
rohdendorfi	3,5
scirpi	3,5
scutellaris	*
staryi	*

subgenus Cerodontha

affinis	*
denticornis	5
fulvipes	5
hennigi	*
phragmitophila	5

subgenus Dizygomyza

bimaculata	5
caricicola	3,5
crassiseta	5
fasciata	5
iraeos	2
iridis	2
luctuosa	3
luzulae	3,5
morosa	5
silvatica	5
spinata	5
suturalis	3,5

subgenus

<i>Icteromyza</i>	bohemani	*
	capitata	*
	geniculata	*
	lineella	*

subgenus

<i>Phytagromyza</i>	flavocingulata	5
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subgenus

<i>Poemyza</i>	atra	5
	calamagrostidis	5
	calosoma	5
	hammi	5
	imbuta	5
	incisa	5
	inconspicua	5
	lateralis	5
	muscina	5
	phalaridis	5
	phragmitidis	4
	pygmaea	5
	unisetiorbita	5

subgenus

<i>Xenophytomyza</i>	atronitens	*
	biseta	*
	venturii	*

Chromatomyia

	aprilina	2
	asteris	5
	blackstoniae	2
	centaurii	3,5
	farfarella	5
	fuscula	5
	glacialis	*
	horticola	5
	loniceriae	2
	luzulae	5
	millii	5
	nigra	5

Chromatomyia cont.

	opacella	5
	paraciliata	5
	periclymeni	3
	primulae	1
	ramosa	2
	scabiosae	5
	scolopendri	1
	succisae	3,5
	syngenesiae	5

Galiomyza

	morio	2
	violiphaga	2

Gymnophytomyza

	heteroneura	*
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Hexomyza

	sarothamni	*
	schineri	*
	simplicoides	*

Liriomyza

	amoena	1
	angulicornis	5
	artemisicola	3,5
	bryoniae	5
	cannabis	3,5
	centaureae	3,5
	cicerina	2
	congesta	2
	demeijerei	4
	equiseti	*
	erucifolii	3
	eupatoriana	3
	eupatorii	2
	flaveola	3,5
	hampsteadensis	*
	hieracii	5
	huidobrensis	5
	infuscata	*

<i>Liriomyza</i> cont.	intonsa	*	<i>Melanagromyza</i> cont.	nibletti	*
	latipalpis	*		oligophaga	*
	lutea	*		pubescens	*
	occipitalis	5		sativae	*
	orbona	*		symphyti	*
	pascuum	3		tripolii	*
	phryne	*	<i>Metopomyza</i>		
	pisivora	3		flavonotata	5
	polygalae	3,5		nigriorbita	*
	ptarmicae	3,5		scutellata	5
	puella	2		xanthaspis	5
	pusilla	2	<i>Napomyza</i>		
	pusio	5		bellidis	3,5
	richteri	*		carotae	*
	scorzoneriae	5		cichorii	*
	solivaga	*		elegans	*
	sonchi	1		hirticornis	*
	soror	5		lateralis	*
	strigata	2		nigriceps	*
	tanaceti	3,5		scrophulariae	*
	taraxaci	2		tripolii	*
	tragopogonis	5	<i>Nemorimyza</i>		
	trifolii	5		posticata	1
	valerianae	3	<i>Ophiomyia</i>		
	virgo	*		alliariae	*
<i>Melanagromyza</i>				aquilegiana	*
	aenea	*		beckeri	3,5
	aeneoventris	*		collini	*
	albocilia	*		cunctata	3,5
	angeliciphaga	*		curvipalpis	*
	astragali	*		definita	*
	cunctans	*		galii	*
	dettmeri	*		gnaphalii	*
	eriolepidis	*		heracleivora	*
	eupatorii	*		heringi	*
	fabae	*		labiatarum	*
	lappae	*		longilingua	*
	limata	*		maura	2

<i>Ophiomyia</i> cont.	melandricaulis	*	<i>Phytomyza</i> cont.	alpina	5
	melandryi	*		anderi	*
	nasuta	*		anemones	2
	ononidis	*		angelicae	3,5
	orbiculata	*		angelicastri	3,5
	penicillata	*		antennariae	5
	pinguis	*		aquilegiae	1
	pulicaria	3,5		archangelicae	5
	ranunculicaulis	*		arnicae	5
	rostrata	*		artemisivora	2
	senecionina	*		astrantiae	1
<i>Phytobia</i>				autumnalis	5
	cambii	*		bipunctata	1
	carbonaria	*		brischkei	5
	cerasiferae	*		brunnipes	2
	errans	*		buhriella	*
	mallochi	*		calthivora	5
<i>Phytoliriomyza</i>				calthophila	5
	alpicola	*		campanulae	5
	arctica	*		caulinaris	*
	bornholmensis	*		cecidonomia	*
	dorsata	*		chaerophylli	1
	hilarella	5		cineracea	5
	melampyga	1		cinerea	5
	ornata	*		cirsii	2
	pectoralis	*		clematidis	*
	perpusilla	*		conii	5
	pteridii	5		continua	*
	scotica	*		conyzae	2
	variegata	3,5		corvimontana	5
	venustula	*		crassiseta	2
<i>Phytomyza</i>				cytisi	2
	aconiti	2		dasyops	*
	adjuncta	5		diversicornis	*
	affinis	*		enigmoides	*
	agromyzina	1		erigerophila	5
	albiceps	5		eupatorii	2
	albipennis	*		evanescens	*

<i>Phytomyza</i> cont.	fallaciosa	2,4	pedicularifolii	3
	ferina	*	petoei	2
	flavicornis	*	pimpinellae	2
	flavofemorata	*	plantaginis	2
	fulgens	3,5	pullula	3,5
	gilva	*	ranunculi	1
	glechomae	1	ranunculivora	2
	griffithsi	3,5	ranunclicola	5
	gymnostoma	3,5	rapunculi	5
	heckfordi	5	rhabdophora	*
	hellebori	1	radiolae	5
	hendeli	3,5	robustella	*
	heracleana	2	rostrata	*
	heringiana	3,5	rufescens	5
	heterophylli	5	rufipes	*
	ilicis	1	rydeni	5
	isais	*	schlicki	*
	kaltenbachi	5	sedi	5
	krygeri	*	sedicola	5
	lappae	2	silai	5
	leucanthemi	3	sitchensis	5
	marginella	2	smyrnii	5
	medicaginis	3,5	soenderupi	*
	melana	5	solidaginis	3
	minuscula	1	sphondyliivora	2
	murina	*	spinaciae	4,5
	myoscotica	5	spoliata	5
	nigrifemur	*	spondylii	5
	nigripennis	*	stolonigena	2
	nigritella	*	tanaceti	3,5
	nigritula	*	tenella	*
	notata	5	tetrasticha	1
	obscura	5	thysseini	3,5
	obscurella	3,5	trollii	5
	origani	2	trolliophila	5
	orobanchia	*	trolliivora	5
	pastinacae	5	tussilaginis	2
	pauliloewii	5	varipes	*

Phytomyza cont.	virgaureae	5
	vitalbae	3,5
	wahlgreni	*
Pseudonapomyza		
	atra	5
	europaea	*
	lacteipennis	*

Species which have been graded '3,5'; these are mines which can be identified in cases where **all** features agree.

However, if any unclear or contradictory features are present, rearing is essential.

Grade 5 species are those which are not possible to determine based on mine, larval or puparium features or are rare within the UK.

Hopefully, this list will prove to be useful for those recording *Agromyzidae* in the year ahead.

As you can see from this list, many of the *Agromyzidae* are not leaf-miners. Some of these are stem-borers, stem-miners or gall formers.

These type of *Agromyzidae* are equally as fascinating as the leaf-miners and will be covered in a future newsletter.



Puparium of a stem-boring *Melanagromyza* sp.

BIT OF FUN

ANAGRAMS

Below are ten anagrams of *Agromyzidae* species, can you get them all right.....!?

- 1) MAGAZINE SOY BAR
- 2) GIZMOS RARITY A TAIL
- 3) ZOOMING HAZY PARTY MAY
- 4) AMAZING CONTRARY AHA
- 5) AVIARY FLU FROM AMAZONS
- 6) I SCOOTER AMAZINGLY
- 7) ZILCH TOYS I AM YIP
- 8) A PRAY MARIA MONOLITHIC
- 9) UP TONY CRAZILY HUMAN
- 10) ANALYZE VAMP FOOT TOMATO

Answers will be in the next newsletter – good luck!

CONTACT

IF YOU HAVE ANY QUESTIONS OR WOULD LIKE TO KNOW MORE ABOUT THE SCHEME, PLEASE DO GET IN TOUCH WITH US;



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