

Micro-moths of Tentsmuir

S.T. Buckland

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I have included images of the species that I have been able to photograph in and around Tentsmuir. My thanks go to Nigel Voaden for getting me started on recording Tentsmuir moths, and for identifying the more difficult species — and some of the less difficult ones!

Steve Buckland steve@st-andrews.ac.uk 15/July/2025

Contents—micro-moths

Acentria ephemerella	5	Aphomia sociella	32	Catoptria margaritella Catoptria pinella	53 54
Acleris aspersana	6	Apotomis betuletana	33		
Acleris emargana	7	Apotomis turbidana	34	Celypha cespitana	55
Acleris hastiana	8	P		Celypha lacunana	56
Acleris laterana	9	Argyresthia brockeella	35	51	
Acleris sparsana	10	Argyresthia goedartella	36	Chilo phragmitella	57
Acrobasis advenella	11	Bactra lancealana	37	Chionodes distinctella Chionodes fumatella	58 59
Adela reaumurella	12	Batrachedra praeangusta	38	omonowes jamacena	0,
				Chrysoteuchia culmella	60
Aethes cnicana	13	Blastobasis adustella	39		
		Blastobasis lacticolella	40	Clepsis consimiliana	61
Agapeta hamana	14	Blastobasis vittata	41		
				Cnephasia incertana /	
Agonopterix alstromeriana	15	Blastodacna hellerella	42	asseclana	62
Agonopterix arenella	16			Cnephasia stephensiana	63
Agonopterix assimilella	17	Bryotropha affinis	43		
Agonopterix heracliana	18	Bryotropha terrella	44	Cochylichroa atricapitana	64
Agonopterix nervosa	19				
Agonopterix ocellana	20	Bucculatrix nigricomella	45	Coleophora caespititiella	65
Agonopterix scopariella	21			Coleophora mayrella	66
		Caloptilia betulicola	46	Coleophora serratella	67
Agriphila geniculea	22	Caloptilia elongella	47		
Agriphila inquinatella	23	Caloptilia stigmatella	48	Crambus lathoniellus	68
Agriphila straminella	24			Crambus pascuella	69
Agriphila tristella	25	Capua vulgana	49	Crambus perlella	70
				Crambus pratella	71
Alucita hexadactyla	26	Carpatolechia proximella	50	•	
		•		Cydia ulicetana	72
Amblyptilia acanthadactyla	27	Caryocolum fraternella	51	•	
		Caryocolum marmorea	52	Denisia similella	73
Anania fuscalis	28	•			
Anania hortulata	29			Depressaria badiella	74
				Depressaria daucella	75
Anerastia lotella	30			Depressaria pulcherrimella Depressaria radiella	76 77
Anthonhila fahriciana	31			z op. cood. id i datolid	. ,

Contents—micro-moths

Dichrorampha aeratana/ montanana	78	Glyphipterix simpliciella	101	Pammene aurana	117
montanana	70	Grapholita compositella	102	Pandemis cerasana	118
Dioryctria abietella	79				
	0.0	Gypsonoma dealbana	103	Patania ruralis	119
Diurnea fagella	80	Hofmannonhila		Distructilia sono destrila	120
Eana osseana	81	Hofmannophila pseudospretella	104	Platyptilia gonodactyla	120
Euna osseana	01	pseudospretend	104	Plutella xylostella	121
Elachista apicipunctella	82	Incurvaria masculella	105	Tracerra hyroscena	
Elachista rufocinera	83			Rhigognostis incarnatella	122
,		Leucoptera spartifoliella	106		
Elophila nymphaeata	84			Rhopobota naevana	123
		Limnaecia phragmitella	107		
Emmelina monodactyla	85			Rhyacionia pinivorana	124
		Metzneria metzneriella	108		
Endrosis sarcitrella	86			Scoparia ambigualis	125
		Mirificarma mulinella	109	Scoparia pyralella	126
Epiblema cirsiana	87		440		405
T	00	Monopis laevigella	110	Scrobipalpa samadensis	127
Epinotia immundana	88	N	111	C J J	120
Epinotia nanana	89	Nemapogon cloacella	111	Syndemis musculana	128
Epinotia nisella	90	No of a culta originatella	112	Talaianaia diffinia	120
Epinotia ramella Epinotia rubiginosana	91 92	Neofaculta ericetella	112	Teleiopsis diffinis	129
Epinotia rubiginosana	92	Nomophila noctuella	113	Udea ferrugalis	130
Esperia sulphurella	93	поторина постаена	113	Udea lutealis	131
	93	Notocelia trimaculana	114	Udea olivalis	132
Eucosma campoliliana	94	Notocena trimacaiana	117	Udea prunalis	133
Eucosma cana	95	Nymphula nitidulata	115	oueu pranans	133
Lucosma cana	75	Trymphata metadiaca	113	Yponomeuta evonymella	134
Eudonia angustea	96	Oxypteryx wilkella	116	Yponomeuta rorrella	135
Eudonia lacustrata	97			Ypsolopha ustella	136
Eudonia mercurella	98			r - P	
Eudonia truncicolella	99			Zelotherses paleana	137
Everaestis nallidata	100				



Water veneer Acentria ephemerella

A locally-distributed wetland species that can be numerous where it occurs. The adults only live for about a day.





Small rufous tortrix Acleris aspersana

A woodland species that is seldom recorded in east Fife. This one was at Tentsmuir Point in early August, well away from its foodplants of beech and sycamore.



Scalloped tortrix Acleris emargana

A common woodland species.





Varied tortrix Acleris hastiana

This worn moth is likely to be this species, although *Acleris ferrugana* and *Acleris notana* cannot be ruled out. These three species have only rarely been recorded in Fife. This one was at Tentsmuir Point in mid-May 2023.





Dark-marked tortrix Acleris laterana

A common species of woodland, hedgerows and gardens.





Lead-coloured tortrix Acleris sparsana

A common species of woodland and gardens, from late summer into winter.



Hawthorn knot-horn Acrobasis advenella

A locally-distributed species, occurring where hawthorns are available.





Green longhorn Adela reaumurella

A scarce species in Fife. This male was at Morton Lochs.



Thistle straw Aethes cnicana

A common species where thistles grow.





Garden straw Agapeta hamana

A common species where thistles grow.



Hemlock moth Agonopterix alstromeriana

A scarce species in Fife, occurring mostly along the Firth of Forth coast. This was one of two at Tentsmuir Point in early September 2023.





Brindled buff *Agonopterix arenella*

A widespread species that can occur throughout the year.



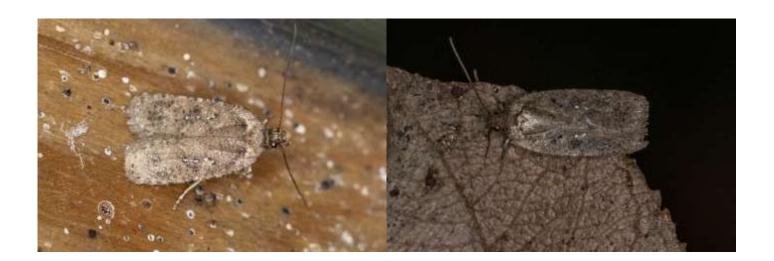
Speckled broom buff *Agonopterix assimilella*

A fairly common species associated with broom.



Common brindled brown Agonopterix heracliana

A very common species that overwinters as an adult. Some winter in the hides at Morton Lochs, and become active on mild nights.





Burnt-tip buff *Agonopterix nervosa*

A common species, associated mostly with broom or gorse.





Red-eyed buff Agonopterix ocellana

A species of wet habitats. The one above was at Tentsmuir Point in late October 2022, the one below left was by the railway hide at Morton Lochs in late March 2022, and the one below right was by the squirrel hide in mid-August 2022.





Broom buff *Agonopterix scopariella*

A scarce species in Fife. Its caterpillars feed on broom. These were near the ice house in mid-March 2023.







Chevron grass-moth Agriphila geniculea

A locally-distributed species of dry grassland, occurring mostly at or near the coast in Fife.







Barred grass-moth Agriphila inquinatella

A locally-distributed and mostly coastal species in Fife. Occurs in dry grasslands.









Straw grass-moth Agriphila straminella

An abundant species of grasslands.





Common grass-moth Agriphila tristella

Another common grassland species.





Twenty-plume moth Alucita hexadactyla

A common but unique species. It is sometimes found indoors. This one was in the railway hide at Morton Lochs. Its foodplant is honeysuckle.





Beautiful plume Amblyptilia acanthadactyla

A scarce species in Fife. These were near the ice house at Tentsmuir Point in 2023, one in spring and the others in autumn.









Rattle pearl Anania fuscalis

A widespread species, common in suitable grassland.





Small magpie Anania hortulata

A fairly common species through much of the year. This one was in a bird hide at Edenside.



Sandhill knot-horn *Anerastia lotella*

A sand-dune specialist. These were at Tentsmuir Point.









Nettle-tap Anthophila fabriciana

A very common day-flying species wherever nettles grow.





Bee moth Aphomia sociella

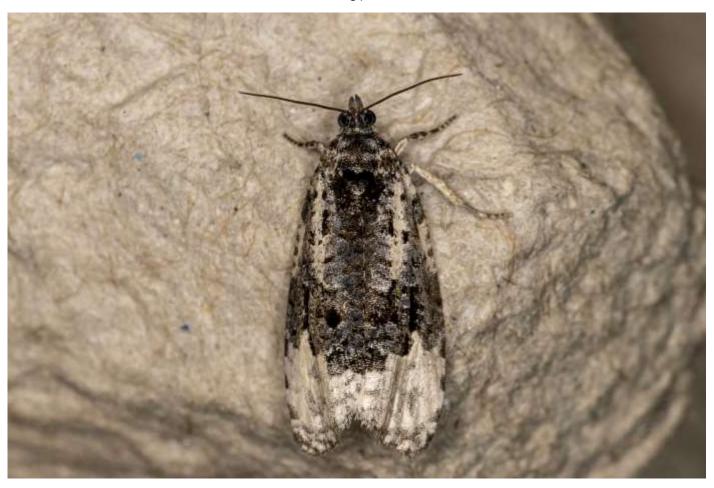
A common species whose caterpillars live in bee or wasp nests.



Birch marble Apotomis betuletana

A species of birch woodland.





White-shouldered marble Apotomis turbidana

A birch specialist which has only been recorded from a handful of sites in Fife. These were at Tentsmuir Point in June and July 2022.





Gold W *Argyresthia brockeella*

A common species where birches or alders occur.







Brassy Y *Argyresthia goedartella*

Another species that is common where birches or alders occur. The above moth was at Tentsmuir Point on 30 October 2022, well past its normal flight season, and was probably second generation.



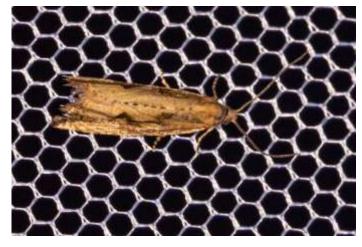




Common lance Bactra lancealana

A common species of wet habitats.









Poplar needle-moth Batrachedra praeangusta

An uncommon wetland species. This one was at Morton Lochs in early July 2022.





Common masoner Blastobasis adustella

A common species in a variety of habitats.







Large pale masoner Blastobasis lacticolella

A common species that is increasing its range.









Dotted masoner Blastobasis vittata

A species that only recently arrived in Scotland, and is rapidly expanding its range. This one was at Tentsmuir Point in early August 2023.



Hawthorn berry moth Blastodacna hellerella

A species that is seldom recorded in Fife. This one was at Morton Lochs in July 2022.



Dark moss-moth Bryotropha affinis

A locally-distributed species.





Brown moss-moth *Bryotropha terrella*

A fairly common grassland species.





Daisy tuft Bucculatrix nigricomella

A scarce species in Fife. It is a leaf miner, and its larvae feed in leaves of ox-eye daisy.





Birch stilt Caloptilia betulicola

A species of birch woodland, this moth was at Tentsmuir Point in late October 2022.



Alder stilt Caloptilia elongella

This is a species of damp woodland and marshes. This moth was on the railway hide at Morton Lochs in mid-April.





Willow stilt Caloptilia stigmatella

This is a common species of woodland where sallows grow.





Pale-shouldered tortrix Capua vulgana

This species is scarce in Fife. It occurs in woodland and heathland. This one was at Tentsmuir Point in late May 2022.





Spotted birch grey Carpatolechia proximella

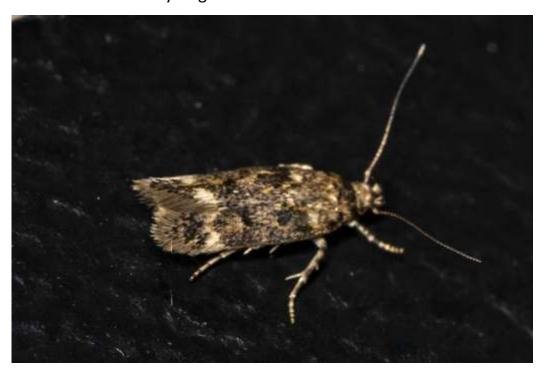
Identity uncertain! A common species where birches or alders grow.





Stitchwort groundling Caryocolum fraternella

This species is spreading into Fife, and had been recorded from just four coastal sites prior to this observation, at Morton Lochs in early August 2022.





Mouse-ear groundling Caryocolum marmorea

A species of coastal dunes. Tentsmuir Point is the only site in Fife where it has been rec-

orded.





Pearl-banded grass-moth Catoptria margaritella

A locally-distributed species associated with wet habitats.





Pearl grass-moth Catoptria pinella

This species occur in a range of habitats, but is patchily distributed in Fife.





Thyme marble Celypha cespitana

An uncommon species in Fife, recorded from just a handful of sites. These were at Tentsmuir Point in July 2022.





Common marble Celypha lacunana

A very common species, often seen in daytime.





Reed veneer *Chilo phragmitella*

A scarce reedbed species. These females were at Morton Lochs in June 2022.





Moss groundling Chionodes distinctella

Tentsmuir is the only location in Fife that this species has been recorded. This one was on ragwort in late August 2023.





Smoky groundling Chionodes fumatella

A rare species in Scotland. The one above was on the sand dunes at Tentsmuir Point in early August 2023 and the one below was there in mid-July 2025.





Garden grass-moth Chrysoteuchia culmella

One of the common grass moths, and one of the first to appear in summer.





Rufous tortrix Clepsis consimilana

A fairly common species in a range of lowland habitats.



Light grey tortrix / flax tortrix Cnephasia incertana /asseclana

Two common species that are difficult to differentiate!





Common grey tortrix *Cnephasia stephensiana*

A fairly common species in Fife.







Black-fronted straw Cochylichroa atricapitana

A locally-distributed species in Fife, occurring where ragwort, its foodplant, grows.







Buff rush case-bearer Coleophora caespititiella

A rare species in Fife. This one was at Morton Lochs in mid-June 2021.



Clothed case-bearer Coleophora mayrella

This species is not often recorded in Fife. This one was at Tentsmuir Point in early July 2022.





Common case-bearer Coleophora serratella

A common species where birch or alder trees grow.



Meadow grass-moth Crambus lathoniellus

A common species of grass moth.





White-banded grass-moth Crambus pascuella

This grass moth has only been recorded from a few sites in Fife. This one was at Tentsmuir Point in early July 2022.



Satin grass-moth Crambus perlella

A locally-distributed grassland species in Fife.









Scarce grass-moth Crambus pratella

A rare species in Fife, recorded from just two locations. These were at Tentsmuir Point.









Common gorse moth Cydia ulicetana

A very common species where gorse or broom occurs.





Northern concealer Denisia similella

This species has only been recorded from two locations in Fife. It is a woodland species, associated with decaying birch trees. This one was at Morton Lochs in mid-June 2021.





Varied brown Depressaria badiella

A locally-distributed species that has only been recorded from a handful of sites in Fife.



Water-dropwort brown Depressaria daucella

A scarce species in Fife, occurring in wet habitats. These were at Tentsmuir Point in March and April 2023.









Pignut brown Depressaria pulcherrimella

A locally-distributed species. This one was at Tentsmuir Point in early August 2023.



Parsnip moth Depressaria radiella

A common species where its foodplants occur, common hogweed and wild parsnip.



Dingy daisy moth / northern yarrow moth Dichrorampha aeratana / alpestrana

Two species that are very difficult to separate. *D alpestrana* is the more common species and is widespread in Scotland.



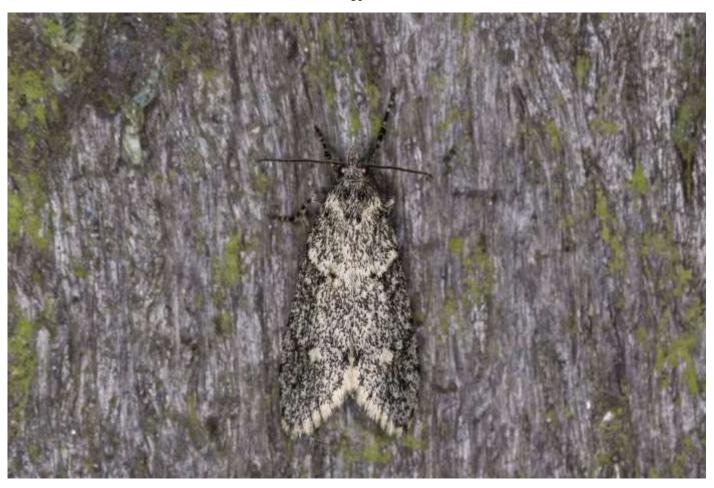
Pine knot-horn Dioryctria abietella

A fairly common species in Fife, mostly occurring in conifer plantations.









Early reveller Diurnea fagella

A common spring species.









Dotted cloak Eana osseana

A common species of rough grassland, moorland and heathland.





Pearly grass-miner Elachista apicipunctella

Seldom recorded in Fife, this one was at Morton Lochs in late May 2022.



Speckled grass-miner Elachista rufocinerea

A rare find in Fife, these were at Morton Lochs in late May 2022.









Brown china-mark *Elophila nymphaeata*

A locally-distributed species of wet habitats. The one above was at Morton Lochs, the one below at Tentsmuir Point.







Common plume Emmelina monodactyla

A locally-distributed species in Fife. This one was near the ice house in mid-October 2022.





White-shouldered house-moth *Endrosis sarcitrella*

Familiar as one of the 'clothes moths'. These were at the squirrel hide at Morton Lochs.





Knapweed root-borer Epiblema cirsiana

This moth is likely to be *Epiblema cirsiana*, although *Epiblema scutulana* cannot be ruled out. It is associated with knapweeds and thistles.



Birch tortrix *Epinotia immundana*

A common species of open woodland and heathland with birch or alder.





Small spruce tortrix Epinotia nanana

This tiny tortrix (less than 5mm long) was at Morton Lochs in late May 2022. There has been just one previous record in Fife, at Tentsmuir.





Brindled poplar tortrix Epinotia nisella

A common species where sallows or poplars grow. These were at Tentsmuir Point in late September and early October.





Black-marked tortrix Epinotia ramella

A common species where birches grow. This one was at Tentsmuir Point in late September.





Pine tortrix *Epinotia rubiginosana*

Seldom recorded in Fife, this one was at Morton Lochs in early June 2022.





Sulphur bark moth Esperia sulphurella

A locally-distributed species in Fife. This one was at Tentsmuir Point in late May 2022.



Pied tortrix Eucosma campoliliana

This species occurs in habitats with ragwort, its food plant.







Hoary tortrix Eucosma cana

A common grassland species.





Narrow-winged grey Eudonia angustea

A locally-distributed species in Fife. This one was at Tentsmuir Point in late September

2022.





Tawny grey Eudonia lacustrata

A fairly common species, occurring in woodland habitats.





Garden grey Eudonia mercurella

A common species in a range of habitats.





Peppered grey Eudonia truncicolella

Common in a range of habitats. Its caterpillars feed on moss.



Chequered pearl Evergestis pallidata

A locally-distributed species that is spreading into Fife. It occurs in damp, open woodland and on marshes.



Cocksfoot moth Glyphipterix simpliciella

A tiny and very abundant moth.







Meadow tortrix *Grapholita compositella*

A tiny moth that is seldom recorded in Fife. The one below was at Morton Lochs in early June 2022, and was the first record from east Fife. The one above was there in mid-June

2022.





Common cloaked tortrix Gypsonoma dealbana

A scarce species of open woodland and hedgerows.



Brown house-moth Hofmannophila pseudospretella

A common moth. These were in the squirrel hide at Morton Lochs.





Feathered cutter Incurvaria masculella

A day-flying species of open woodland and moorland. A scarce species in Fife. This one was at Tentsmuir Point in mid-May 2021.





Broom stem-miner Leucoptera spartifoliella

A tiny, locally-distributed species associated with broom.



Bulrush down moth Limnaecia phragmitella

A locally-distributed species of habitats with bulrushes.



Knapweed seedhead moth Metzneria metzneriella

A locally-distributed species that occurs where its foodplant, common knapweed, grows, such as grassland and road verges.



Gorse streak Mirificarma mulinella

A fairly common species of heathland and farmland with gorse or broom.





Skin moth *Monopis laevigella*

A common woodland species.





Cork moth Nemapogon cloacella

A common species of woodland and gardens.



Heather grey Neofaculta ericetella

A species associated with heather that can be abundant. Its markings are quite variable.







Rush veneer Nomophila noctuella

Mostly a coastal species in Fife.





Hawthorn shoot moth *Notocelia trimaculana*

A fairly common species in east Fife, associated with hawthorn.



Beautiful china-mark Nymphula nitidulata

A locally-distributed species, occurring in wet habitats.





Silver-barred moss-moth Oxypteryx wilkella

A tiny and rare species, mostly on sandy coasts, and only recorded from two or three sites in Fife. These were at Tentsmuir Point in late June 2023.

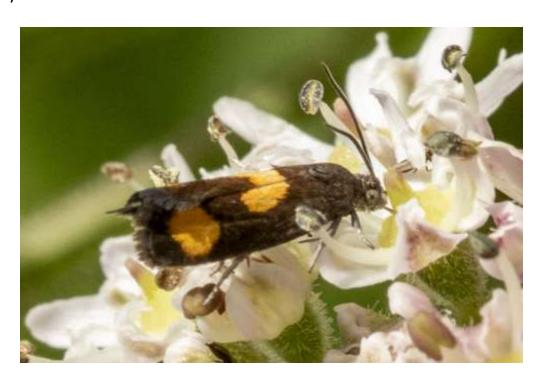






Double orange-spot Pammene aurana

A locally-distributed species in Fife, but often very visible on flowerheads of its foodplant, hogweed, during the day. These were at Morton Lochs.





Barred fruit-tree tortrix Pandemis cerasana

A common species of woodland, hedgerows and gardens.



Mother of pearl Patania ruralis

A common species of woodland and gardens.





Triangle plume Platyptilia gonodactyla

A fairly common species where coltsfoot grows.



Diamond-back moth Plutella xylostella

This moth is a frequent migrant, and can occur almost anywhere.







Northern diamond-back Rhigognostis incarnatella

A locally-distributed woodland species which has only been recorded from a handful of sites in Fife. This one was on the railway hide at Morton Lochs in late March 2022.





Holly tortrix Rhopobota naevana

There has only been a scattering of records of this species in Fife. This one was at Morton Lochs in mid-June 2022.





Spotted shoot moth Rhyaciania pinivorana

Rarely recorded in Fife, this species is associated with Scots pines. These were at Tentsmuir Point in early July 2022.





Common grey *Scoparia ambigualis*

A common species occurring in a variety of habitats, wherever moss occurs.





Brown-spot grey Scoparia pyralella

A fairly common species of open habitats.









Buck's-horn root miner *Scrobipalpa samadensis*

A scarce and variable species, occurring on salt marsh. These were at Tayport Heath in early August 2023. The two below are lacking the identifying markings of the other two, but are probably the same species.









Dark-barred tortrix Syndemis musculana

A common species of woodland and moorland.







Common groundling Teleiopsis diffinis

In Fife, a rare species of dry grassland and heathland that has not been recorded away from Tentsmuir in recent years.









Rusty-dot pearl *Udea ferrugalis*

A scarce species in Fife. The one above was at Morton Lochs in late June 2023, and the one below at Tentsmuir Point in early October 2024. They are likely to be migrants.





Pale straw pearl *Udea lutealis*

A common species of woodland, hedgerows and gardens.





Garden pearl *Udea olivalis*

A common species of woodland, hedgerows and gardens.







Dusky pearl *Udea prunalis*

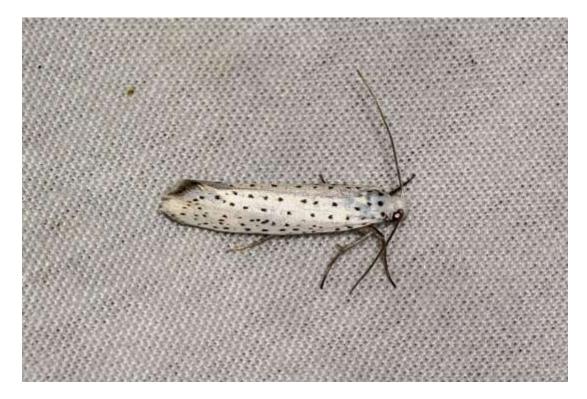
A locally-distributed species of woodland, hedgerows and gardens in Scotland.



Bird cherry ermine *Yponomeuta evonymella*

A common and sometimes abundant species. Its caterpillars create communal webs on

bird cherry.





Willow ermine *Yponomeuta rorrella*

A rare species. This one was at Tentsmuir Point in mid-August 2021. The species had previously been recorded at just one location in Fife.



Varied ochre Ypsolopha ustella

A very variable species that is scarce in Fife. This one was at Tentsmuir Point in September

2023.





Timothy tortrix Zelotherses paleana

A common species of rough grassland, especially at the coast.

