

## Notable invertebrates associated with cereal field margins

### Spiders and allies (Arachnida: Araneae and Pseudoscorpiones)

<i>Hahnia microphthalma</i>	RDBK
<i>Pseudomaro aenigmaticus</i>	RDBK
<i>Tegenaria picta</i>	RDBK
<i>Centromerus incilium</i>	Nb
<i>Lepthyphantes insignis</i>	Nb
<i>Porrhomma errans</i>	Nb

### True Bugs (Hemiptera)

#### Heteroptera

<i>Hallodapus montandoni</i>	RDB3
<i>Aphanus rolandri</i>	Na polyphagous
<i>Drymus latus</i>	Nb

### Leafhoppers, planthoppers, froghoppers, treehoppers & cicadas (Auchenorrhyncha)

<i>Macrosteles cristatus</i>	Nb (apparently associated with clover <i>Trifolium</i> spp.)
<i>Eurysa brunnea</i>	

### Beetles (Coleoptera)

#### Ground beetles (Carabidae)

<i>Harpalus froelichii</i>	RDB2 BAP (sandy fields in Breckland adjacent to semi-natural sandy grassland)
<i>Ophonus laticollis</i>	Na Species Statement
<i>Zabrus tenebrioides</i>	Na
<i>Carabus monilis</i>	Nb
<i>Harpalus smaragdinus</i>	Nb
<i>Lasiotrechus discus</i>	Nb
<i>Notiophilus quadripunctatus</i>	Nb

### Leaf beetles (Chrysomelidae) (with plant associations)

<i>Cassida denticollis</i>	RDB 1 field thistle (yarrow)
<i>Cassida nebulosa</i>	pRDB K goosefoot
<i>Ochrosis ventralis</i>	RDB 3 bittersweet, <i>Matricaria</i>
<i>Cassida nobilis</i>	Notable B corn spurrey
<i>Chrysolina sanguinolenta</i>	Notable A toadflax
<i>Longitarsus ballotae</i>	Notable B black horehound
<i>Longitarsus dorsalis</i>	Notable B ragworts
<i>Longitarsus ganglbaueri</i>	Notable A ragworts
<i>Longitarsus suturalis</i>	Notable B ragwort etc.
<i>Phyllotreta aerea</i>	Notable B crucifers
<i>Phyllotreta cruciferae</i>	Notable B crucifers
<i>Phyllotreta vittata</i>	Notable A crucifers

Weevils (Curculionoidea )

<i>Perapion lemoroï</i>	RDB Ind knotgrass
<i>Acentrotypus brunnipes</i>	RDB1 chamomiles, mayweeds
<i>Omphalapion beuthini</i>	RDB3 chamomiles, mayweeds
<i>Omphalapion laevigatum</i>	RDB Ind chamomile, mayweed etc

Notes on RDB species: All these weevils (with the exception of *O. beuthini*, a fairly recent discovery in England) have declined markedly during the past half-century and are very poorly known. However, all either feed on field-margin plants or have been recorded specifically from cereal fields (*P. lemoroï*).

<i>Sibinia pyrrhodactyla</i>	Nb
<i>Baris picicornis</i>	Nb wild mignonette
<i>Ceutorhynchus atomus</i>	Na thale cress etc.
<i>Ceutorhynchus pulvinatus</i>	Na flixweed
<i>Ceutorhynchus rapae</i>	Nb hedge mustard, flixweed etc.
<i>Datonychus angulosus</i>	Na hemp-nettle
<i>Sirocalodes mixtus</i>	Nb fumitory
<i>Sirocalodes quercicola</i>	Na common fumitory
<i>Stenocarus ruficornis</i>	Nb common poppy
<i>Ceutorhynchus resedae</i>	Nb wild mignonette, weld

Notes on Notable species: The issue of cereal field margins is a complex one. Many other Notable species might be added to the list above. Priority has been given to species feeding on particularly transient 'weed' species. *D. angulosus* also occurs on disturbed peatlands.

Rove beetles and allies (Staphylinidae /Scydmaenidae/Silphidae)

<i>Lathrobium pallidum</i>	RDBK
<i>Stenus assequens</i>	N
<i>Astenus immaculatus</i>	N
<i>Philonthus nitidicollis</i>	Nb
<i>Atheta difficilis</i>	N
<i>Atheta aegra</i>	N
<i>Ilyobates bennetti</i>	N
<i>Ilyobates propinquus</i>	N
<i>Oxypoda exoleta</i>	N
<i>Oxypoda lurida</i>	N
<i>Aleochara brevipennis</i>	N
<i>Stenus aceris</i>	Local
<i>Othius laeviusculus</i>	Local
<i>Xantholinus jarrigei</i>	Local
<i>Staphylinus dimidiaticornis</i>	Local
<i>Staphylinus brunnipes</i>	Local
<i>Staphylinus compressus</i>	Local
<i>Quedius semiaeneus</i>	Local
<i>Mycetoporus nigricollis</i>	Local
<i>Bolitobius analis</i>	Local

Ants, bees and wasps (Hymenoptera: Aculeata )

*Odynerus simillimus*  
*Bombus ruderatus*  
*Hylaeus signatus*  
*Andrena hattorfiana*  
*Andrena trimmerana*

*Sphecodes crassus*  
*Melitta tricincta*

RDB1, RDB1  
BAP Priority clover etc.  
Nb wild mignonette  
RDB2 field & small scabious  
Nb Early flowering shrubs in  
hedges, e.g sloe  
Nb  
Nb Red Bartsia