



<b>Scientific name</b>	<i>Lolium perenne</i> – <i>Anagallis arvensis</i> weed community
<b>Common name</b>	Perennial Rye-grass – Scarlet Pimpernel weed community
<b>Community code</b>	WE1D

### Vegetation

*Lolium* spp. form much of the cover in this rather diverse weed community, not only the widespread *Lolium perenne*, but also the much rarer *Lolium temulentum* (darnel). The scarlet flowers of *Anagallis arvensis* are also commonly seen here. Other constant species are *Plantago lanceolata*, *Taraxacum officinale* agg., *Cerastium fontanum* and *Bellis perennis*. Frequently one will find some cover of *Ranunculus repens* or *Daucus carota* or some clovers, either *Trifolium pratense*, *Trifolium repens* or *Trifolium dubium*. The archaeophytes *Euphorbia peplus* and *Fallopia convolvulus* may also be found.

### Ecology

This weed community has largely been recorded from traditionally farmed arable land on the Aran Islands, predominantly amongst rye crops.

### Sub-communities

No sub-communities are described.

### Similar communities

From other weed communities, WE1D is distinguished mainly by the frequency and abundance of *Anagallis arvensis* and *Lolium temulentum*.

### Records and distribution

#### Number of records (all)

Clearly assigned:	103
Transitional:	6
Total:	109

#### Number of records (mapped)

2001-2018:	0
1986-2000:	1
1971-1985:	0
Pre-1971:	0
Total:	1

#### Number of hectads (most recent records)

2001-2018:	0
1986-2000:	1
1971-1985:	0
Pre-1971:	0
Total:	1

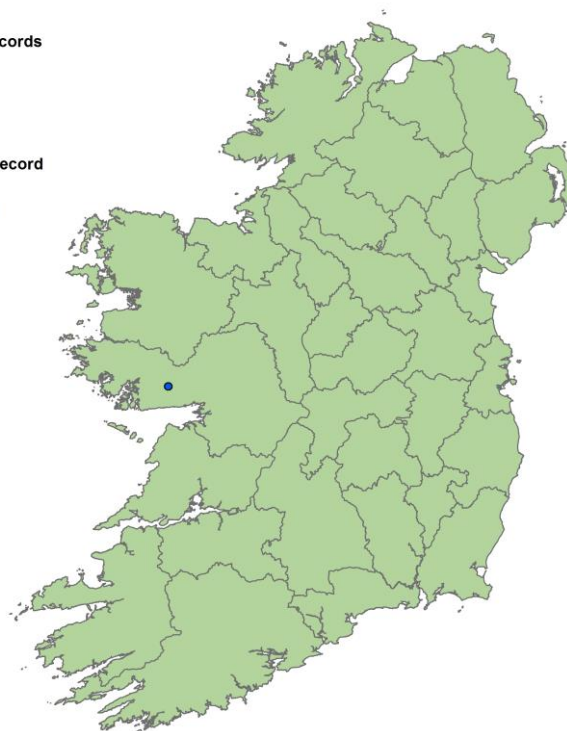
#### Number of hectads (all mapped records)

2001-2018:	0
1986-2000:	1
1971-1985:	0
Pre-1971:	0

#### Number of records



#### Most recent record



**Synoptic table (n = 103)**

Species	Frequency	Cover	Species	Frequency	Cover
	(from I-V)	min (med) max		(from I-V)	min (med) max
<i>Lolium perenne</i>	V	2-(5)-8	<i>Holcus lanatus</i>	II	2-(3)-5
<i>Anagallis arvensis</i>	V	2-(3)-5	<i>Polygonum aviculare</i>	II	2-(3)-7
<i>Plantago lanceolata</i>	IV	2-(3)-7	<i>Rumex crispus</i>	II	2-(3)-5
<i>Taraxacum officinale</i> agg.	IV	2-(3)-5	<i>Atriplex patula</i>	II	2-(3)-5
<i>Cerastium fontanum</i>	IV	2-(3)-5	<i>Senecio vulgaris</i>	II	2-(3)-5
<i>Bellis perennis</i>	IV	2-(3)-5	<i>Veronica persica</i>	II	2-(3)-5
<i>Lolium temulentum</i>	IV	2-(3)-7	<i>Dactylis glomerata</i>	II	2-(3)-5
<i>Ranunculus repens</i>	III	2-(3)-7	<i>Sonchus asper</i>	II	2-(3)-5
<i>Trifolium pratense</i>	III	2-(3)-5	<i>Leucanthemum vulgare</i>	II	2-(3)-3
<i>Trifolium dubium</i>	III	2-(3)-7	<i>Lotus corniculatus</i>	II	2-(2)-5
<i>Euphorbia peplus</i>	III	2-(3)-5	<i>Sherardia arvensis</i>	II	2-(3)-5
<i>Daucus carota</i>	III	2-(3)-5	<i>Arenaria serpyllifolia</i>	II	2-(3)-5
<i>Trifolium repens</i>	III	2-(3)-9	<i>Odontites vernus</i>	I	2-(3)-5
<i>Geranium molle</i>	III	2-(3)-3	<i>Potentilla reptans</i>	I	2-(5)-7
<i>Chenopodium album</i>	III	2-(3)-7	<i>Veronica arvensis</i>	I	2-(3)-3
<i>Fallopia convolvulus</i>	III	2-(3)-5	<i>Cirsium arvense</i>	I	2-(2)-5
<i>Sonchus oleraceus</i>	III	2-(3)-5	<i>Crepis vesicaria</i>	I	2-(3)-5
<i>Solanum tuberosum</i>	II	2-(2)-3	<i>Bromus hordeaceus</i>	I	2-(3)-5
<i>Medicago lupulina</i>	II	2-(3)-5	<i>Elytrigia repens</i>	I	2-(3)-3
<i>Agrostis stolonifera</i>	II	2-(3)-5	<i>Sinapis arvensis</i>	I	2-(3)-3

**Affinities**

GHI: BC1 Arable crops / BC2 Horticultural land

ZM: CM Molinio-Arrhenatheretea (87.4%)

EUNIS: I1 Arable land and market gardens

NVC: OV23c *Lolium perenne* – *Dactylis glomerata* community *Plantago major* – *Trifolium repens* sub-community (50.7%)

Annex I: No significant correspondence

**Proxy environmental data**

Light: 7.2    Reaction: 6.4    Wetness: 4.9    Fertility: 5.6    Salinity: 0.2

**Conservation value**

Vegetation corresponding to this community is typically of relatively low conservation value. *Lolium temulentum* was once a common weed of segetal communities but is now very rare in Ireland.

**Management**

The persistence of this community is dependent on the continuance of traditional arable farming practices.

**Key references**

Bleasdale, A. (1994) The arable weed flora of the rye crop on the Aran Islands, Co. Galway. (unpublished). National Parks and Wildlife Service, Dublin.

**Synopsis version:** V1.0

**Synopsis date:** November 2019

**Synopsis author(s):** P.M. Perrin

