

# *Lithospermum arvense* L.

Field Gromwell

Key:

**Dots** refer to the native sites of the species

**Numbers** refer to the nearby Botanical Collections

## *Starting references*

### **Family**

Boraginaceae

### **IUCN category (2001)**

Endangered.

(Archaeophyte)

### **Habit**

Annual herb of arable fields.

### **Life cycle**

Flowers from mid-May to July. Seed is quite long-lived.

Germination occurs both between October and December and in March and April.

### **Habitat**

Waste ground, disturbed habitats.

Substrates: light, dry, calcareous soils.

### **Associated uncommon species:**

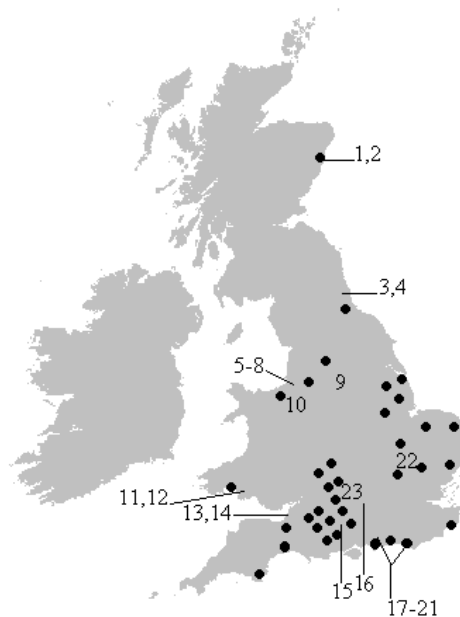
On chalk and limestone soils in the south of England it frequently occurs in species-rich communities with Rough Poppy, Prickly Poppy, Narrow-fruited Cornsalad, Shepherd's-needle and Dense-flowered Fumitory.

### **Reasons for decline**

Agricultural intensification.

### **Distribution in wild**

Country	Locality & Vice County	Sites (10km <sup>2</sup> occurrences)	Population (plants)
Scotland	Kincardineshire	1	
Wales	Denbighshire	1	
	Carmarthenshire	1	
England	Co. Durham	1	
	Widely distributed over England	216	



## *Ex situ Collections*

### **Gardens close to the region of distribution of the species**

- 1 Cruickshank Botanic Garden
- 2 Pitmedden Garden (NTS)
- 3 Moor Bank Garden
- 4 University of Durham Botanic Garden
- 5 Firs Botanical Grounds
- 6 University of Manchester Botanical & Exp. Grounds
- 7 City of Liverpool Botanical Gardens
- 8 Ness Botanic Gardens
- 9 Sheffield Botanical Gardens
- 10 Chester Zoological Gardens
- 11 National Botanical Garden of Wales
- 12 Swansea Botanic Garden
- 13 Bristol Zoo Gardens
- 14 University of Bristol Botanic Garden
- 15 Sir Harold Hillier Garden & Arboretum
- 16 The Harris Garden
- 17 West Dean Gardens
- 18 High Beeches Gardens
- 19 Nymans Garden
- 20 Borde Hill Garden
- 21 Newhaven Botanic Garden

22 Cambridge University Botanic Garden

23 University of Oxford Botanic Garden

**Gardens with specialisation on family Boraginaceae**

Ness Botanic Gardens

**Potential to grow the species in *ex situ* Collections**

***Conservation information***

**Linkages to BAPs**

Designated LBAP Areas are listed on <http://www.searchnbn.net>

**Habitat Management**

Protected sites with records for *L. arvenses* are listed on <http://www.searchnbn.net>

**Conservation programmes**

Unknown

**Web References**

- Arable plants – a field guide:  
[http://www.arableplants.fieldguide.co.uk/?PP=species\\_account&SPID=42&SHC=4&PSD=2](http://www.arableplants.fieldguide.co.uk/?PP=species_account&SPID=42&SHC=4&PSD=2)
- NBN Gateway database: <http://www.searchnbn.net>