

Growth and Development: *Anchusa arvensis* is a winter annual in its native range. In our region most seed germination occurs in March and April, although annual bugloss may germinate in spring or fall. Flowers from June until a hard frost. Seed production begins in August.

Reproduction: An annual, *A. arvensis* reproduces strictly by seed. Each flower produces four nutlets, and each nutlet produces a seed; about 250 seeds per plant. Seeds fall near the parent plant. 90% of seeds buried 6" deep are viable after three years; 2% remain viable after five years.

Response to Herbicide:

Response to Cultural Methods: Annual bugloss should be prevented from producing seed. Small populations are easily pulled or dug. The seed bank does persist.

Biocontrol Potentials: None known.

References:

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- *Polunin, O. 1987. Flowers of Greece and the Balkans. Oxford Univ. Press. Oxford and NY.
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