

***Geranium* spp. (Geraniaceae)**

Seed.

**General shape:** ovoid

**Normal size:** 1.5-2 mm L x 0.6-1.8 mm W x 0.6-1.8 mm D

**Color:** brown, reddish brown or yellow-brown

**Texture:** rough, spongy-looking or smooth

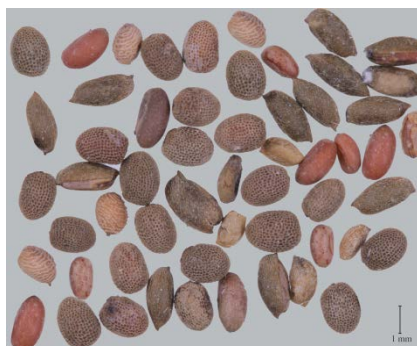
**Distinguishing features:** seed rounded at one end and pointed at the other; sometimes enclosed in a seed coat thin and brown at maturity (carpel).

**Embryo:** Curved, cotyledons plicate.

**G. dissectum:** surface deeply pitted requiring 15-20 pits to form one longitudinal row. Hilum at the wide end (from which extends a slight, vertical ridge reaching nearly one-third of the length of the seed).

**G. molle:** seed reddish, smooth usually covered by a brown, diagonally ridged carpel. The ridges are pale and often forked.

**G. pusillum:** seed reddish, smooth usually covered by a pubescent carpel. The carpel is ventral dehiscent and pointed at one end.



Seeds of *Geranium* spp.



Seeds of *Geranium dissectum*



Seeds of *Geranium molle*



Seeds of *Geranium pusillum*

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