

Rumex crispus L. (Polygonaceae)

One seeded achene with or without perianth.

General shape: trigonal or rhombic with ridged sides and pinched at apex and base (shape of spade).

Normal size: 2.2-2.6 L x 1.5-1.8 W x 1.5-1.8 D mm

Color: reddish or dark chocolate brown

Texture: shiny

Distinguishing features: the sides meet in framed, prominent ridges. Perianth segments if present, oval, edges entire, usually all three with tubercles.

Embryo: linear and lies in a groove or channel along the middle of one of the sides of the endosperm. The nutritive storage tissue covers the embryo and also fills in the middle of the seed.



Normal seeds of *Rumex crispus*

Species of similar seeds of the genus (normal size seeds)



Rumex stenophyllus



Rumex obtusifolius



Rumex crispus