



DEAR Field Keys

Small Floating Plants





Small floating-leaved plant (<3cm/1", some a few mm)

Plant has no roots; floating leaf or frond only

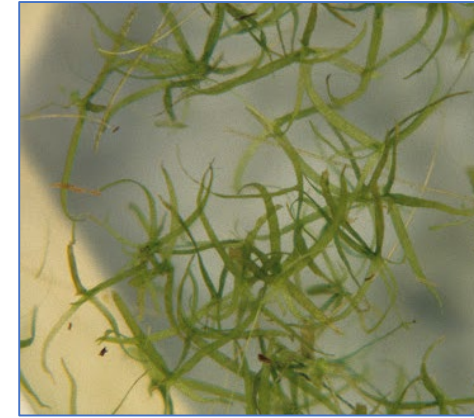
Plant 5-10mm long; individuals X-shaped, clusters star-shaped

Plant minute (~1mm), round to oval, granular feeling when handled

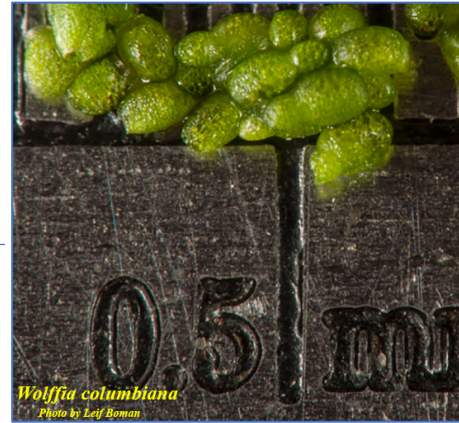
Plant consists of green, flattened, antler-shaped strands, forks many times, may grow in dense floating mats

Plant has roots, or root-like scales

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Wolffiella
(flowering plant)



Wolffia*
(world's smallest flowering plant)

**Wolffia is smaller plant in 2nd photo*



Riccia fluitans
(liverwort)



Small floating-leaved plant (<3cm/1", some a few mm) with roots or sword shaped leafy scales

Plant with roots, either thread-like or feathery

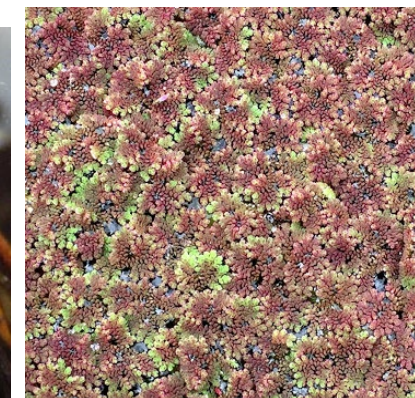
Plant with feathery roots

Oval to round leaves (fronds), ~2cm long, folded in the center, with stiff hairs on the surface



Salvinia minima
(fern)
FLEPPC I

Tiny, overlapping leaves (fronds), units ~1-2 cm, green to red, lobes fern-like in outline



Azolla filiculoides
(fern)

Plant with thread like roots, 1 to many

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Plant with purplish, sword-shaped, leafy scales underneath

Leaves of plant are heart or "Y"-shaped, with a furrow on surface; forms colonies; Aquatic form is most common, can be stranded



Ricciocarpus natans
(fern)



Small floating-leaved plant (<3cm/1", some a few mm) with one to many threadlike roots

Plant with 2-5 roots per leaf, leaf oval or shoe shaped, ~ 2.5 mm long, 2 leaves usually joined



Landoltia punctata
(flowering plant, FLEPPC II)

Plant with more than one root per leaf

Plant with many roots per leaf (up to 9), leaf oval to round, ~6mm, at least some have red dot, 2 or more leaves usually joined; red undersides



Spirodela polyrhiza
(flowering plant)

Plant with one root per leaf

Leaf shoe-shaped, 1-2 mm long, leaf pairs (sometimes more) joined at the base.



Lemna
(flowering plant)