

## *Lepiderema* sp. Impulse Creek (A.B.Pollock 73)

### Family:

**Sapindaceae**

Provisional HISPID phrase name.

### Stem

Small tree to 8 m. Branches and stems glabrous.

### Leaves

Terminal buds glabrous and sometimes viscid. New growth pink. Leaves alternate, compound, with 6-10 leaflets, paripinnate; leaf axis or rachis with a terminal process or appendage, rachis narrowly winged. Stipules absent. Petiole 2.5-4 cm long, sometimes rachis wings extending to petiole or reduced to longitudinal ridges; petiolules often indistinct on upper surface, present as a short pulvinus below. Leaflet blades elliptic, occasionally obovate, 3-7.5 (10) cm long, 1.5-3 cm wide, base cuneate to attenuate often slightly asymmetrical, margin entire, apex acute to acuminate. Leaflets glabrous, venation more or less flush on upper surface.

### Flowers

Inflorescence functionally unisexual and monoecious, ramiflorous, racemose, racemes often in fascicles (with racemes arising from the same point along a branch). Flowers lightly perfumed. Male flowers 3-4 mm diameter. Calyx lobes 5, shortly connate at base, sepals irregular, with smaller lanceolate outer sepals, and larger broadly ovate inner sepals, concave or cymbiform, 1.5-2 mm long, 1-2 mm wide, glabrous. Petals 5, free, ovate or lanceolate, concave, about 2.5 mm long, glabrous, except for fringe of hairs along incurving margin at base. Stamens 7-8, staminal filaments to about 1 mm long, densely hairy in bottom half. Disk glabrous. Female flowers, none seen.

### Fruit

Fruit a 3-valved capsule, globose to slightly obcordate in outline, about 1.4-1.7 cm long, 1.2-1.3 cm diam., calyx lobes persistent at the base. Green when immature, becoming orange-red at maturity. Seeds 3, brown, about 10 mm long, completely enclosed in a yellow or orange aril.

### Seedlings

Stem glabrous. First pair of leaves compound, about 4 leaflets per leaf, each  $\pm$  sessile, margins crenate towards leaf apex. Compound leaf rachis winged, ending in a fine tip. Tenth leaf stage not seen.

### Distribution and Ecology

Endemic to CEQ in Conway National Park and only known from a few collections around the same locality. Grows in complex notophyll vine forest.

### RFK Code

1208



Male flowers [not vouchered]. CC-BY: S. & A. Pearson.



Leaves and inflorescence [not vouchered]. CC-BY: S. & A. Pearson.



Fruit cluster [not vouchered]. CC-BY: S. & A. Pearson.



Mature fruit [not vouchered]. CC-BY: S. & A. Pearson.



Leaflets. CC-BY: ATH.



Leaves. CC-BY: ATH.



Seedling with seed. CC-BY: ATH.



Seedling leaf. CC-BY: ATH.

