

-2. 云南小苦苣 *I. yunnanense* Shih
- 6. 叶边缘有并生锯齿, 宽0.5—1.5cm; 总苞长7—8(9)mm
-3. 并齿小苦苣 *I. biparum* Shih
- 5. 叶丝形或丝状线形
- 4. 丝叶小苦苣 *I. graminifolium* (Ledeb.) Tzvel.
- 4. 叶羽状分裂或至少含有羽状分裂的叶.
- 7. 头状花序较大, 总苞长7—11mm; 喙长2.5—3mm.
- 8. 茎生叶2—4枚, 基部扩大耳状抱茎..... 5. 中华小苦苣 *I. chinense* (Thunb.) Tzvel.
- 8. 茎生叶1—2枚, 基部扩大抱茎.
- 9. 总苞长8—11mm; 瘦果果体长4mm
-6. 光滑小苦苣 *I. strigosum* (Lévl. et Vant.) Tzvel.
- 9. 总苞长7—8mm; 瘦果果体长2.5mm
-7. 窄叶小苦苣 *I. gramineum* (Fisch.) Tzvel.
- 7. 头状花序较小, 总苞长4—6mm; 喙长不足1mm.
- 10. 叶侧裂片菱形、不规则菱形或宽三角形, 基部叶柄状收窄
-8. 精致小苦苣 *I. elegans* (Franch.) Shih
- 10. 叶侧裂片不为上述形状, 基部亦不呈叶柄状收窄
-9. 抱茎小苦苣 *I. sonchifolium* (Maxim.) Shih
- 2. 植株被稀疏的小刺.....10. 刺株小苦苣 *I. aculeolatum* Shih
- 1. 冠毛褐色.
- 11. 叶线形、狭线形、线状长椭圆形, 边缘无锯齿
- 11. 细叶小苦苣 *I. gracile* (DC.) Shih
- 11. 叶长椭圆形、椭圆形、倒披针形、琴状, 边缘有锯齿或羽状深裂.
- 12. 叶边缘有凹齿或羽状深裂; 小花10—11枚
- 12. 褐冠小苦苣 *I. laevigatum* (Bl.) Shih
- 12. 叶不裂亦无凹齿; 中下部叶的叶缘中下部有长缘毛; 小花5—7枚
-13. 小苦苣 *I. dentatum* (Thunb.) Nakai

1. 戟叶小苦苣

Ixeridium sagittaroides (C. B. Clarke) Shih, comb. nov. — *Lactuca sagittaroides* C. B. Clarke, Comp. Ind. 265, 1876; Hook. f. Fl. Brit. Ind. 3: 410, 1882 — *Ixeris sagittaroides* (C. B. Clarke) Stebbins. in Journ. Bot. London 75: 51, 1937.

云南: G. Forrest 29519, 26308, 王启无 72957. 印度、尼泊尔及缅甸也有分布。

2. 云南小苦苣 新种 图 1:1

Ixeridium yunnanense Shih, sp. nov.

I. gramineo (Fisch.) Tzvel. affine est, sed foliis indivisis, calathidiis minoribus, involucris 5—6 mm longis differt.

Herba perennis. Caulis 8—15 cm altus, glaber, superne gracillime corymboso-ramosus. Folia basalia indivisa, rosulata, elliptica, obovata vel oblanceolata, 1—2.5 cm longa 5 mm lata, apice rotundata, mucronulata, margine integra, basin versum in petiolos 1 cm longos graciles attentata; folia caulina oblanceolata, pauca, apice rotundata, mucronata vel ovata apice acuta; folia superiora caulina et sub inflorescentia brevissima, sessilia, subulata.

Calathidia pauca, ad apices ramorum et caulis corymboso-disposita vel apices caulis solitaria. Involucrum 5—6mm longum, cylindricum, cujus phylla 2-seriata, exteriora brevissima, 1 mm longa, 0.5mm lata, apice acuta, interiora longiora, 5—6 mm longa, ad 1 mm lata, apice acuta. Flosusculae 11, ligulatae, flavae. Achaenia longe elliptica, flavo-virens, 3.2 mm longa, 0.6 mm lata, obtuse 10-costulata, superne minute spinulosa, apice in rostrum gracilem attenuata, rostris 1 mm longis. Pappi setae albae, minute scabrae.

Yunnan(云南): Sunning (顺宁), in declivio, alt. 1700m., 1938, 06. 02, T. T. Yu (俞德浚) 16071 (Typus, PE).

3. 并齿小苦苣 新种 图1: 3

Ixeridium biparum Shih, sp. nov.

I. chinensi (Thunb.) Tzvel. affine est, sed differt folia margine serraturis

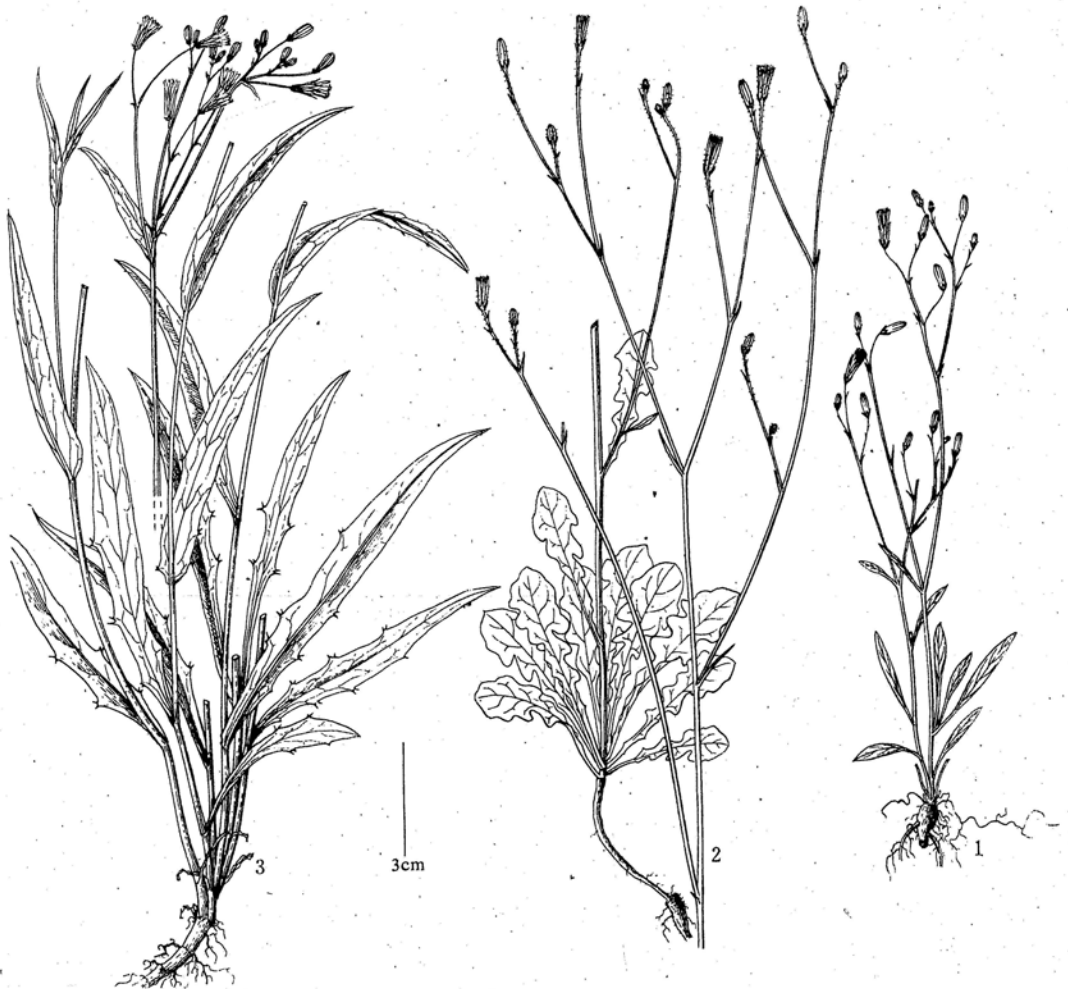


图1 1. 云南小苦苣; 2. 刺株小苦苣; 3. 并齿小苦苣。

Fig. 1 1. *Ixeridium yunnanense*; 2. *I. aculeolatum*; 3. *I. biparum*.