

1.1.1 振铎黄鹌菜 新种 图 1: 1~3

Youngia zhenduoi S. W. Liu et T. N. Ho, sp. nov. Fig. 1: 1~3

Inter *Youngias* flosculis ligulatis cyaneis excellens. Species *Y. cyanaea* S. W. Liu et T. N. Ho affinis, sed caule glabro, foliis ellipticis usque lanceolatis differt.

Herba perennis, circa 30 cm alta. Rhizoma breve, radices carnosas emittens. Caules erecti, glabri, fasciculati, e basi ramosi. Folia basilaria et inferiora caulina numerosa, petiolata, petiolis 1.5~2.5 cm longis, anguste alatis; laminae elliptico-lanceolatae usque lanceolatae, 2.5~6 cm longae, 3~8 mm latae, utrinque glabrae, apice longe acuminatae vel raro acutae, basi attenuatae in petiolos alatos, margine integrae vel raro lobatae, lobis terminalibus hastato-lanceolatis, laterali-bus 1-jugis, triangulato-dentatis, circa 2 mm latis; illa supera et media caulina lineari-lanceolata usque subulata, bracteiformia. Calathia numerosa, in paniculato-racemos laxos disposita, ramis cum 1~3 calathiis cymosis; pedunculi aequilongi, glabri; involucrium anguste cylindricum, 7~8 mm longum, 1.5~2 mm latum, basi 1-bracteolatum; involucri phyllaria circa 4-seriata; illa extima mi-nora, ovata, circa 1 mm longa; illa mediana oblonga vel lanceolata, 2.5~4 mm longa, circa 1 mm lata, apice acuta; illa intima anguste lanceolata vel oblonga, 7~8 mm longa, 1~1.2 mm lata, apice obtusa, nigro-purpurea, dorso glabra, margine anguste membranacea. Flosculi ligulati 5~7; ligulae cyanaeae, oblongae, 5~6 mm longae, apice 5-denticulatae, tubo 1.5~2 mm longo, gla-bro. Achenia fusiformia, compressa, flavido-rufa, breve albo-setulosa, apice contracta erostrata; costae laterales 2, medianae 1 vel 2. Pappi setae albae, 4~5 mm longae.

China. Qinghai (青海): Yushu (玉树), Jiangxigou (江西沟), Xialaxiu (下拉秀), on moist slopes, alt. 3600 m, 1980-09, Z. D. Wei 22222 (holotype, here designated, HNWP).

多年生草本,全株光滑,高约30 cm。根状茎粗短,具多数肉质根。茎直立,丛生,自基部起分枝。基生叶多数,具柄,柄长1.5~2.5 cm,具狭翅;叶片椭圆状披针形至披针形,长2.5~6 cm,宽3~8 mm,先端长渐尖,稀急尖,基部渐狭成翅柄,两面无毛,中脉明显,全缘或有时缺刻状分裂,顶裂片戟状披针形,侧裂片1对,齿状三角形,长约2 mm;茎中上部叶疏离,线状披针形至钻形,全缘,苞片状,其它一如基生叶。头状花序多数,从茎下部起排成疏离的圆锥状总状式复花序,花序分枝具1~3头状花序呈聚伞状;总花序梗近等长,光滑;总苞狭圆柱形,长7~8 mm,宽1.5~2 mm,基部常具1个小外苞片;总苞片4层,最外层短小,卵形,长约1 mm,先端急尖;中层长圆形或披针形,长2.5~4 mm,宽约1 mm,先端急尖;最内层狭披针形或长圆形,长7~8 mm,宽1~1.2 mm,先端钝,黑紫色,无附片,背部无毛,边缘狭膜质。舌状花5~7,深蓝色,舌片长圆形,长5~6 mm,先端5-齿裂,管部长1.5~2 mm。瘦果狭纺锤形,长约4 mm,略压扁,淡黄红色,顶端收缩,具4条主肋,边肋2,稍粗,每面具1或2中肋,间肋不明显,无喙,果体全部被指向上方的白色短刺毛。冠毛白色,长4~5 mm。

本种的舌状花深蓝色在该属中非常特殊。它与蓝花黄鹌菜相近,但茎无毛,叶椭圆形至披针形而不同。

本种以魏振铎教授的名字为种加词,纪念他多年来为青海植物区系研究所做的杰出贡献。

1.1.2 蓝花黄鹌菜 新种 图 1: 4~6

Youngia cyanaea S. W. Liu et T. N. Ho, sp. nov. Fig. 1: 4~6



图1 1~3. 振铎黄鹌菜 1. 植株; 2. 舌状花; 3. 果实; 4~6. 蓝花黄鹌菜 4. 植株; 5. 总苞片; 6. 茎及毛。
 Fig. 1 1~3. *Youngia zhenduoi* S. W. Liu et T. N. Ho 1. Plant; 2. Ligulate floret; 3. Achene. 4~6. *Youngia cyanea* S. W. Liu et T. N. Ho 4. Plant; 5. Involucral bract; 6. Stem and hairs.