

3-7cm. latis, sed costis plerumque 4-10 mm. latis. Involucrum 12-14 mm. longum, squamae exteriores plerumque calyculatae raro ad medium interiorum attingentes, ovatae v. ovato-oblongae 2-4 mm, raro 6 mm. longae. Corolla 16 mm. longa 3 mm. lata tubo 3.5 mm. longo. Achenia castanea 7-8 mm. longa leviter incurvata, corpore 5 mm. longa 1mm. lata 10-alata rostro 2-3mm. longa. Pappus albus 6 mm. longus.

Nom. jap. *Hosoba-jishibari* (KITAMURA 1934).

Hab. in littoralibus maritimis, locis arenosis crescens. **Formosa.** Fl. jan.-dec. *Taihoku*: Tamsui (S. K.)—Typus, ibidem (T. ITO), Toi (Y. S. et T. T. n. 13511), Kiirun (S. K.). *Shinchiku*: Toyengen, Koshiko (Y. S. n. 4386 B.)—Typus *L. trifidae*.

Distr. Manshuria, China.

This subspecies is distinguished from subsp. *debilis* by its narrower and acute leaves and by its achenes more shortly beaked. The writer did not see any individual of subsp. *debilis* in Formosa. The shape of the achene of subsp. *litoralis* bears some resemblance to that of *I. repens*. But the leaves of the former are always narrower than *I. repens* or *I. debilis*. The writer does not think subsp. *litoralis* as a hybrid race.

*Ixeris debilis* subsp. **liukiensis** KITAMURA subsp. nov.

Folia radicalia caulinaeque oblanceolata 6-25cm. longa 9-3.5cm. lata apice plerumque rotundata mucronulata basi in petiolum exalatum sensim angustata, textura crassa, margine integra v. irregulariter mucronulato-dentata, interdum pinnatifida. Capitula laxe corymbosim disposita subnumerosa 9-22, folia inflorescentiae lanceolata basi leviter contracta sessilia v. semiamplexicaulia. Involucrum 12-14mm. longum, squamae exteriores calyculatae ovatae aut oblongae 2-4mm. longae. Achenia 6-7mm. longa, corpore 4-4.5mm. longa 10-alata, basi contracta apice in rostrum 2-2.5 mm. longum attenuata. Pappus albus 7mm. longus.

Nom. jap. *Atsuba-jishibari* m.

Hab. prope litoris maris. Fl. jan.-dec. **Liukiu.** Insula Uchina, Nago (T. KANASHIRO)—Typus, ibidem Aha (T. K.), Naha (G. K.), Minjato (S. TAWADA), Unnadake (G. K.), Zakimi (T. K.), Kushi (T. K.). Insula Miyako, Shimoji (G. K.). Insula Tarama (E. TAKAMINE). **Kiushiu.** *Ohsumi*: Amami-Oshima, Higaho (H. OHBA). Insula Okierabu (S. MIKI).

This subspecies is distinct by the thicker leaves and many flowered inflorescences.

#### Sect. 4 *Choris*

Sect. **Choris** (DC.) Asa GRAY in Mem. Am. Acad. n. s. VI (1859) p. 397.—KITAMURA in Tokyo Bot. Mag. XLIX (1935) p. 280.

*Chorisma* DON in Edin. N. Phil. Journ. 1828-29 p. 304 non LINDE. 1820.

*Choris* DC., Prodr. VII (1838) p. 177.

*Lactuca* sect. *Chorisma* BENTH. et HOOKER f., Gen. Pl. II (1873) p. 526.—HOFFMANN in Pflanzenfam. IV-5 (1894) p. 372.

Perennes. Capitula multiflora. Involucrum latiusculum 10-11mm. longum