

241. *Androsace chamaejasme* Wulfen ex Host, Syn. Pl. Austr.: 95 (1797).

Syn.: *A. lehmanniana* Spreng.

Prostrate perennial green herb, scattered hairy. **Leaves** in rosettes, ovate lanceolate, 7-10 mm long, 2-3 mm wide, nearly glabrous but with marginal ciliate hairs. **Scapes** 3-8 cm long. **Flowers** in poor umbels, bracts linear lanceolate, equal to or shorter than peduncles; corolla white or reddish with yellow eye turning reddish, 6-8 mm wide. Seed **capsules** rounded with 1-5 large light brown **seeds**.

Fl. VI-VII. **Fr.** VII-VIII.

Habitat: Rocky slopes and short grass communities in alpine zone 1700-3500 m.

Distribution: Ciscaucasia and E. Caucasus, rare in Transcaucasia.

General distribution: N. America, arctic Europe & Asia, mountains of C. & S. Europe, S. Siberia, Himalaya, Tibet, China, Kurile Islands.

Cultivation: In crevices and screes, excellent in tufa.



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242. *Androsace albana* Steven. in Mém. Soc. Nat. Mosc. 3: 255 (1812).

Caespitose biennial or short-lived perennial herb 5-15 cm high.

Leaves in larger rosettes, lanceolate, 1-3 cm long, 2-4 mm wide, irregularly roughly dentate with simple or branched hairs. **Scapes** 3-5, erect, thick, densely hairy with simple and stellate hairs.

Flowers in umbels nearly sessile; bracts lanceolate, sharp, 6-8 mm long; corolla white or pink, lobes 6-7 mm long. Seed **capsules** rounded with 1-5 large light brown **seeds**. **Fl.** VI-VII. **Fr.** VII-VIII.

Habitat: Short grass communities, screes, often on limestone, in alpine zone, 1800-3600 m.

Distribution: C. & W. Caucasus, W. Transcaucasia.

General distribution: Asia Minor, N. Iran.

Cultivation: In screes.



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243. *Androsace raddeana* Sommier et Lévier. in Act. Hort. Petrop. 13: 49 (1893).

Syn.: *A. caucasica* Sommier et Lévier.

Dwarf caespitose biennial or short lived herb 2-5 cm high. **Leaves** green in smaller rosettes, thick, linear, 1-1.5 cm long, with branched hairs, sharply 2-4 dentate on tip. **Scapes** 1-5, short or appearing so that peduncles come out of rosettes, peduncles curved up, 10-15 mm long; bracts linear lanceolate 5-6 mm long. **Flowers** in umbels; corolla white or pinkish, lobes longer than calyx. Seed **capsules** rounded with smaller brown black **seeds**.

Fl. V-VII. **Fr.** VI-VIII.

Habitat: Moraines and fine screes, in upper alpine zone, 2400-3600 m.

Distribution: Endemic to C. Caucasus and N. & S. Transcaucasia.

Cultivation: In screes with good drainage.



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241. Russia: Skalistyj Khrebet, Bezengi, 1800 m, VH.

242. Russia: Mt. Fisht, 2700 m, VH.

243. Georgia: Mt. Kazbek, 2800 m, VH.



244

244.-246. *Cyclamen coum* group

A group of several closely related microspecies usually restricted geographically. They differ in flower and leaf character. Their variation is sometimes greater within, rather than among, species. Distinguishing them is important for culture.

245 a



245 b



244. *Cyclamen abchasicum* (Medw.) Kolak. ex Poded. in Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS. 13: 194 (1950).
 Syn.: *C. coum* var. *abchasicum* Medw. ex Kusn., *C. calcareum* Kolak.
Tuber rounded, brown, 15-35 mm, with roots produced only from the centre of the base. **Stems** 5-10 cm when tuber is deeper in the soil. **Leaves** ovate, blunt, 5-6 × 2-5 cm, green with prominent whitish marking above, carmine red below, entire or very shallowly lobate; petioles 6-20 cm with short reddish hairs. **Flowers** solitary, drooping, rose, fragrant; calyx lobes narrowly lanceolate and long sharpened, 5-8 mm; corolla tube rounded, white, 5-6 mm, inside with three dark violet dots under each lobe, lobes large, 11-19 mm long, 8-13 mm wide, ovate, blunt, white or pink with dark violet spot at base and two white dots on the turn. Seed **capsules** rounded, opening by 5 dents, with larger angled rusty seeds.
Fl. II-III. **Fr.** V-VI.
Habitat: Mountain deciduous forests and scrub.
Distribution: Endemic to W. Transcaucasia (Abkhazia).
Cultivation: In leaf mould under shrubs.

245. *Cyclamen adsharicum* Poded. in Not. Syst. Herb. Inst. Bot. Acad. Sci. URSS. 13: 189 (1950). Syn.: *C. coum* var. *ibericum* Kusn.
Tuber large rounded, dark brown, 8-10 cm, with roots produced only from the centre of the base. **Stems** 5-10 cm when tuber is deeper in the soil. **Leaves** rounded to widely ovate, wider than long, green with whitish marking above, green or reddish below, shallowly lobate; petioles 6-21 cm with dense short hairs. **Flowers** drooping, fragrant; calyx reddish with adpressed hairs, lobes lanceolate and sharp, 4-5 mm; corolla tube rounded, white, 5-6 mm, inside with three irregular dark violet dots under each lobe, lobes rounded, large, 14-15 mm long, 11-12 mm wide, white or pink, with dark violet spot at base and two white dots on the turn. Seed **capsules** rounded, opening by 5-7 dents, with larger angled rusty seeds. **Fl.** I-III. **Fr.** V-VI.
Habitat: *Fagus orientalis* forests and other mountain forests and scrub on slopes.
Distribution: Endemic to W. Transcaucasia (Adjaria and N.E. Turkey).
Cultivation: In leaf mould under shrubs.

244. Czech Republic, from cultivation: private garden, 300 m, VH.
 245 a,b. Pink and white form: Czech Republic, from cultivation: private garden, 300 m, VH.