

1. Inflorescence paniculate; hypogynium well developed .
2. Middle leaves of fertile culms clustered in groups forming pseudo-whorls.
 3. Hypogynium cup-like, covering at least 1/2 of achene; achenes brownish to grayish black .7. *S. sumatrensis*
 3. Hypogynium developed into a trilobed disk; achenes whitish to grayish. 6. *S. scrobiculata*
2. Leaves distinctly alternate, not in pseudo-whorls.
 4. Slender annual, without conspicuous rhizome, 10-70 cm tall.
 5. Disk-lobes elongated, acute at apex; achenes globose to somewhat depressed, smooth to cancellate and pubescent 1. *S. biflora*
 5. Disk-lobes round, obtuse at apex; achenes globose to slightly oblong, smooth to rugulose. 5. *S. rugosa*
 4. Perennial with woody, thick rhizome, 30 cm to 2 m tall.
 6. Disk-lobes ovate to elongating deltoid, acute at apex; culms 30-90 cm long 3. *S. levis*
 6. Disk-lobes round to ovate, obtuse at apex; culms 60 cm to 2 m long.
 7. Leaves pale green, pubescent on both surfaces, 10-25 mm wide, acute at apex, not elongated; spikelets greenish to olivaceous brown. 2. *S. laeviformis*
 7. Leaves dark green, glabrous, 4-20 mm wide, gradually narrowed into a very long apex; spikelets purpurish to dark brown 8. *S. terrestris*

1. *Scleria biflora* Roxb., Fl. Ind. ed. 2, 3: 573, 1832; Koyama, Fl. Taiwan 5: 199. 1978. 二花珍珠茅

Annual. Rhizome weak, poorly developed. Culms slender, loosely tufted, 10-60 cm tall, 1-2 mm wide, glabrous. Leaves 2-4 mm thick, soft, smooth to sparsely pilose, abruptly narrowed to obtusish apex; sheaths trigonous, narrowly winged, scabrous on angles; contraligule round, somewhat depressed, ciliolate on margin. Inflorescence elongate, consisting of 2-4 panicles; terminal panicles longer than later ones, 2-4 cm long; lateral panicles erect, single or binate; peduncles smooth or slightly scabrous; branches short, patent; leaf-like bracts elongate, long sheathing at base. Spikelets unisexual or gynodioecious, single or binate, greenish. Fruiting spikelets broadly obovoid, 4-4.5 mm long. Staminate spikes lanceolate, 2-4 mm long. Achene globose to slightly depressed, 1.75-2 mm in diam., apex round to short-beaked, white to slightly grayish, regularly cancellate, ferruginous-pubescent or densely ferruginous-tomentose between lacunae, beak purplish to black; hypogynium deeply 3-lobed, lobes appressed to achene, lanceolate, acute, gradually narrowed upward.

Ryukyus, southern China, southeastern Asia, India and Sri Lanka. Taiwan, in swamps and grassy place at low altitude.

Taipei: Shulin, *Odashima 17831*. Taoyuan: Taoyuan, *Shimada 329*. Nantou: Tuchen, *Kuoh 3856*. Pingtung: Nanjen lake, *Leong 1060*, Kaoshifo, *Leong 1627*.

2. *Scleria laeviformis* Tang et Wang, Fl. Reipubl. Popularis Sin. 11: 215, pl. 59, 1-3. 1961. 光果珍珠茅

Scleria terrestris auct. non (L.) Fassett: T. Koyama, Fl. Taiwan 5: 197. 1978, *pro parte*.

Perennial. Rhizome rather thick, short creeping, woody. Culms robust, erect to scrambling on bushes, 60-250 cm tall, 5-15 mm thick, pubescent, scabrous on angles. Leaves 10-25 mm wide, herbaceous to slightly coriaceous, puberulent, scabrous on margins and along costas, acutish at apex; sheaths trigonous, usually broadly winged, scabrous on angles; contraligule reddish brown to purplish brown, round to somewhat depressed, pubescent. Inflorescence consisting of 3-5 compound panicles, 15-50 cm long; panicles single or binate, peduncles ascending, puberulent, scabrous, long-exserted; lowest bracts slightly surpassing inflorescence. Spikelets unisexual or gynodioecious, greenish to olivaceous brown, single or binate; Achene bearing spikelets broadly ovoid. Staminate spikes lanceolate, 3-4 mm long; Stamens 3. Achene globose to ovate, 2.5-3 mm long, terete to obtusely trigonous, white to grayish, shining, smooth; hypogynium shallowly 3-lobed, lobes appressed to achene, deltoid, obtuse at apex.

Southern and southwestern China. Taiwan, in lowland forest and thickets in south.

Nantou: Liyutan, *Wang & H. M. Lin 3374*; Pingtung: Nanjenshan, *Leong 1838*, Kaoshifo, *Leong 1628*.

3. *Scleria levis* Retz., Obs. 4: 13. 1786; Koyama, Fl. Taiwan 5: 198. 1978.

毛果珍珠茅