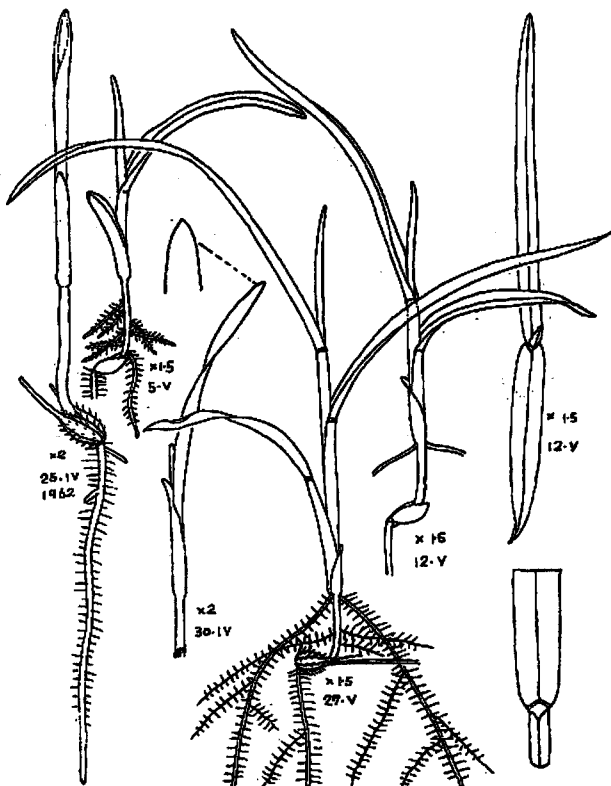


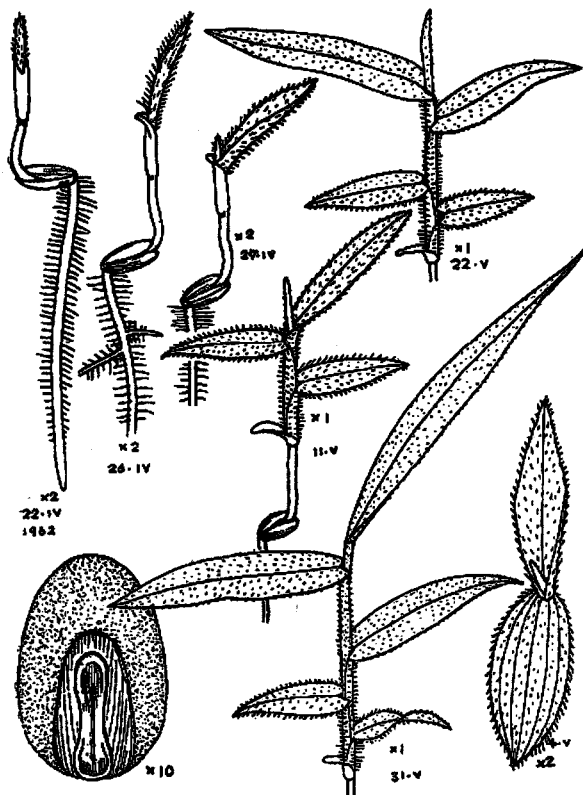
桑原義晴* イネ科幼苗の分類学的形質 (九)

Y. KUWABARA*: On the Taxonomic Characters of
Grass Seedlings (9)48. *Echinochloa crus-galli* L. var. *echinata* MAKINO

The first seedling leaf linear, acute at the apex, rounded at the base, about 14.0-16.0 mm long and 2.0-3.0 mm wide, green, glabrous, the leaf grows ascendant; the second to sixth leaves linear, acuminate or gradually acuminate at the apex, narrowed at the base, green, glabrous; leaf sheaths compressed laterally, glabrous; stems slender; the second leaf about 25.0-30.0 mm long and 1.5-2.0 mm wide, the third leaf about 30.0-40.0 mm long and 2.0-2.5 mm wide, the fourth leaf about 45.0-60.0 mm long and 2.5-3.0 mm wide, the fifth leaf about 70.0-90.0 mm long and 3.2-3.5 mm wide, the sixth leaf about 100.0-160.0 mm long and 4.0-5.0 mm wide; The blades of *E. crus-galli* L. var. *echinata* are much narrower than *E. crus-galli*, and the former blades are not so drooping as the latter. (Fig. 48)

Fig. 48 *Echinochloa crus-galli* L. var. *echinata* MAKINO

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Fig 49 *Eriochloa villosa* KUNTH

hairs; the second leaf about 10.0-15.0 mm long and 3.5-4.5 mm wide, the third leaf about 15.0-22.0 mm long and 4.0-5.0 mm wide, the fourth leaf about 25.0-35.0 mm long and 4.5-5.5 mm wide, the fifth leaf about 40.0-50.0 mm long and 5.0-6.0 mm wide, the sixth leaf about 60.0-90.0 mm long and 6.0-7.0 mm wide. (Fig. 49)

50. *Paspalum thunbergii* KUNTH

The first seedling leaf linear-oblong, acute or subacute at the apex, about 15.0-45.0 mm long and 2.0-3.0 mm wide, green, the reverse side clothed with long soft hairs and sparsely hairy over the upper surface, the leaf grows ascendant; the second to fifth leaves linear or linear-lanceolate, acuminate at the apex, rounded at the base, long hairy all over; ligules membranous, truncated mouth, unequal-toothed; leaf sheathes clothed with long white hairs; the second leaf about 25.0-50.0 mm long and 2.5-3.0 mm wide, the third leaf about 35.0-60.0 mm long and 3.0-3.5 mm

49. *Eriochloa villosa* KUNTH

The first seedling leaf broad-linear or linear-oblong, acute at the apex, rounded at the base, about 6.0-10.0 mm long and 2.0-4.0 mm wide, yellowish green, very minutely hairy on both surfaces, the leaf grows ascendant; the second to sixth leaves lanceolate, acuminate at the apex, rounded at the base, green, very minutely hairy on both surfaces, mature leaves inclines almost horizontally; ligules hirsute; leaf sheathes clothed with minutely

wide, the fourth leaf about 50.0-70.0 mm long and 3.5-4.0 mm wide, the fifth leaf about 70.0-80.0 mm long and 4.0-5.0 mm wide. (Fig. 50)

51. *Dimeria ornithopoda* TRIN.
forma *microchaeta* HACK.

The first seedling leaf oblong or ovate, obtuse at the apex, rounded at the base, about 1.5-1.8 mm long and 0.8-1.0 mm wide, green, covered with short soft hairs on both surfaces, the leaf grows almost horizontally; the second to fifth leaves lanceolate or linear-lanceolate, green, hairy all over; the second leaf about 3.5-3.8 mm long and 1.0-1.2 mm wide, the third leaf about 6.0-8.0 mm long and 1.2-1.3 mm wide, the fourth leaf about 9.0-12.0 mm long and 1.3-1.5 mm wide, the fifth leaf about 15.0-20.0 mm long and 1.4-1.6 mm wide. (Fig. 51)

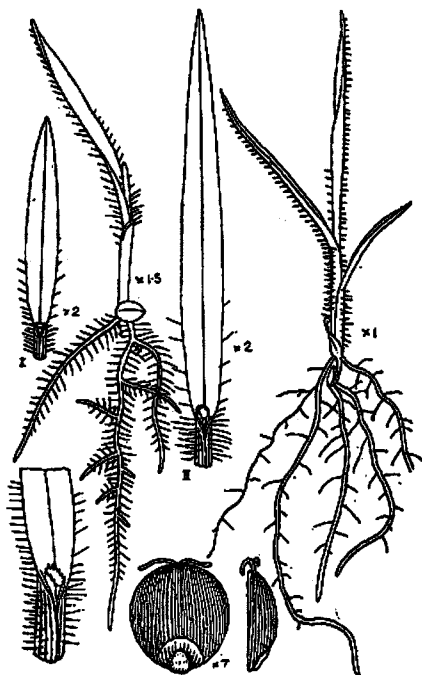


Fig. 50 *Paspalum thunbergii* KUNTH

52. *Spodiopogon sibiricus* TRIN.

The first seedling leaf oval to round-oval, obtuse at the apex, about 6.0-9.0 mm long and 3.0-3.5 mm wide, yellowish green or purplish green, glabrous or nearly so, the leaf grows almost horizontally; the second to fifth leaves oblong-lanceolate or ovate-lanceolate, acute or acuminate at the apex, narrowed to the base, purplish green, glabrous or with a few long marginal hairs towards the base, the leaves inclines almost horizontally when mature; ligules membranous, truncated mouth; leaf sheaths purplish brown and clothed with sparsely long hairs; the second leaf about 8.0-14.0 mm long and 3.0-4.0 mm wide, the third leaf about 10.0-18.0 mm long and 3.5-4.5 mm wide, the fourth leaf about 18.0-27.0 mm long and 4.5-5.5 mm wide, the fifth leaf about 35.0-40.0 mm long and 5.0-7.0 mm wide. (Fig. 52)

53. *Miscanthus sinensis* ANDERSS.

The first seedling leaf linear-oblong, acute at the apex, about 8.0-10.0 mm long and 1.8-2.0 mm wide, green, glabrous, the leaf grows ascendant; the second to fifth leaves linear, acuminate to gradually acuminate at the apex, narrowed to the base,

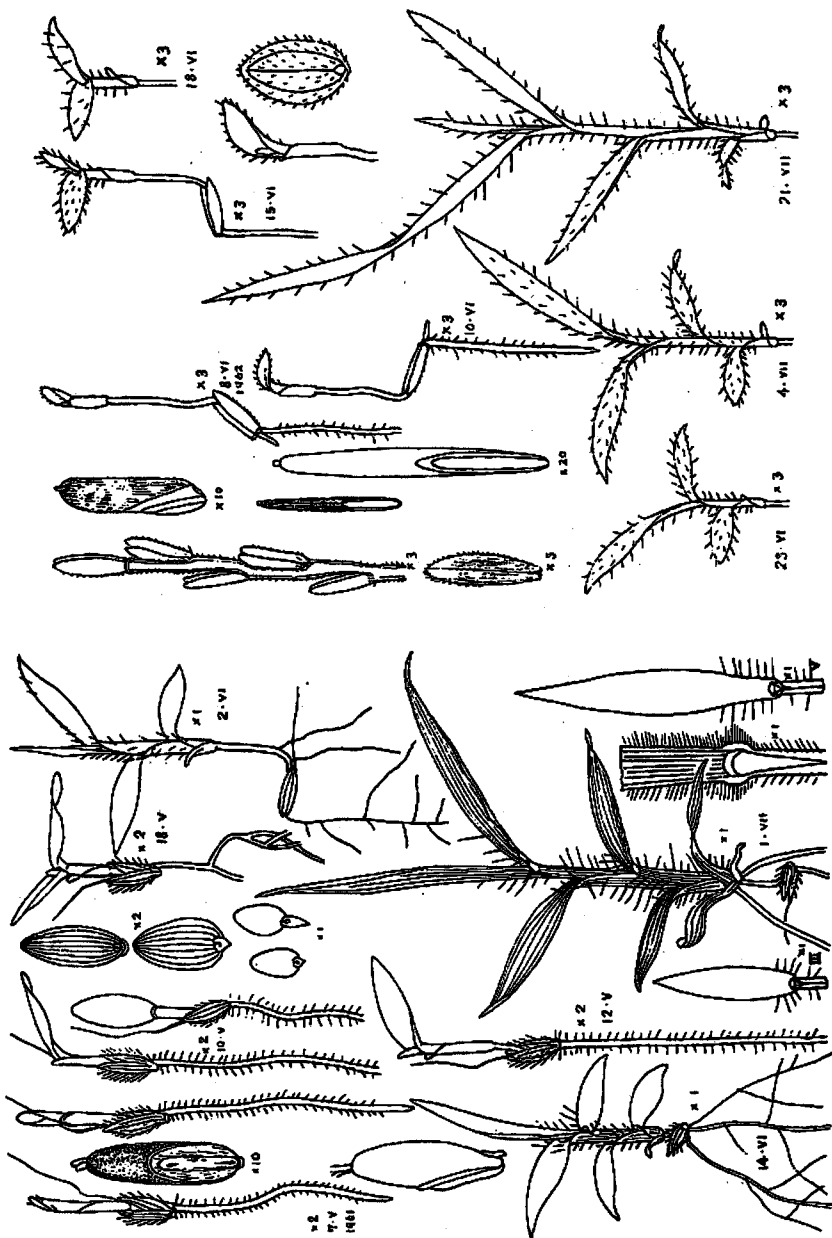


Fig. 52 *Spodiopogon sibiricus* TRIN.

Fig. 51 *Dimeria ornithopoda* TRIN. f. *microchaeta* HACK.

glabrous or with a very sparsely hairs towards the base, green, the leaves curves towards the outer side when mature; leaf sheaths glabrous; the second leaf about 20.0-25.0 mm long and 1.4-1.6 mm wide, the third leaf about 40.0-45.0 mm long and 2.0-2.2 mm wide, the fourth leaf about 45.0-55.0 mm long and 2.2-2.5 mm wide, the fifth leaf about 55.0-65.0 mm long and 2.5-3.0 mm wide. (Fig. 53)

Fig. 53 *Miscanthus sinensis* ANDERSS.

