

Key to *Juniperus* of the Far East (Japan, Taiwan, Sakhalin Island) rev. 2/2011

- 1a. Leaves all acicular (subulate, joined the base), in whorls of 3, spreading, articulate at base; flowers axillary
- 2a. Leaves with 1 white stomatal band on the adaxial surface
- 3a. Leaves 4 - 10 (-12) mm x 1 mm or more wide, nearly flat to curved in cross section, white stomatal band wider than green margins.....***J. communis***
- 3b. Leaves 7 - 25 mm x 0.5 - 0.9 mm wide, 'U' or 'V' shaped in cross section, with a keel (ridge) on the abaxial side, deeply grooved, white stomatal band narrower than green margins
- 4a. Upright shrub or tree; dry areas in mountains; cones 6-9 mm; leaves 12-25 mm. long
.....***J. rigida* var. *rigida***
- 4b. Low procumbent shrub on sands at seashores; cones 8-12 mm; leaves 10-22 mm. long
.....***J. rigida* var. *conferta***
- 2b. Leaves with 2 white stomatal bands on the adaxial surface
- 5a. Leaves with mucronate tips, flat to U shaped, 12 - 20 mm; Taiwan, e. China...
.....***J. formosana***
- 5b. Leaves with acute to obtuse, boat shaped, 7 - 12 mm, Japan
- 6a. Leaves with acute to obtuse tips, boat-shaped, 8 - 12 (-14) mm; endemic to Bonin Islands.....***J. taxifolia* var. *taxifolia***
- 6b. Leaves acute to apiculate tips; boat-shaped, 7 - 10 mm and wide (1.1 - 1.5 mm), endemic to Ryukyu Islands and s. coast of Shizuoka Pref., Oshima (Island), Japan..
.....***J. taxifolia* var. *lutchuensis***
- 1b. Leaves not acicular (jointed at the base), but decurrent (with a sheath and blade), scale-like and whip (decurrent with tips free), flowers terminal
- 7a. All leaves whip type (decurrent with tips free), no scale-like leaves
- 8a. Procumbent shrubs, (1-) 2 - 3 seeds per cone, sea shores, Japan and Korea..
.....***J. procumbens***
- 8b. Erect shrub or tree, 1 seed per cone; rocky cliffs, endemic to Taiwan...***J. morrisonicola***
- 7b. Both scale-like and whip (decurrent with free tips) leaves present; whip-leaves interspersed among sections of scale-leaves in mature branchlets, (1-) 2 seeds per cone
If almost all leaves scale-like, then a decumbent shrub (var. *taiwanensis* and var. *tsukusiensis*).....***J. chinensis***