

**Key to *Juniperus* of the Far East (Japan, Taiwan, Sakhalin Island) rev. 8-1-08**

- 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 .....***J. chinensis***