



Kiri Lumber Applications and Uses

A small Kiri Tree plantation can help establish sustainability for small rural communities. The trees can serve as a sustainable source of lumber, firewood, pulp, and paper. Wood also serves as a good material for composting. It is both rich and rapidly renewable.

ECO2 has developed the Forestry Plan which uses the Kiri Tree that is quick growing and helps reduce greenhouse gas through carbon sequestration.

Kiri Tree lumber is light yet strong, has a beautiful grain and is highly resistant to rot, as well as being a good thermal insulator. This remarkable combination of qualities has resulted in the use of Kiri Tree lumber for a wide range of purposes.

Uses and applications for the timber is growing with the increasing awareness of its unique properties. Some current uses are:

Building Supplies. Light weight and resistant to decay, Kiri lumber is ideal for use in forming pieces, such as roof beams, doors, windows, partition boards, ceilings and inner roofs. In China, Paulownia roof beams exist in a 100-year-old temple in Szechuan Province and are still in good condition. The wood is also used for packing boxes; the lightweight boxes can carry a larger volume of cargo, are damage resistant and cheaper to transport.

Poles harvested after 4 years can be used to create low-cost housing and produce approximately \$20m USD per 1000 acres.

Handicrafts & Furniture. Kiri Tree lumber is easy to work, does not deform and accept stains easily. It is extensively used in the construction of chairs, tables, chests, tea boxes, fruit boxes, grain storage, and even surfboards.

Cabinetry. The strength and light weight characteristics of the lumber make Kiri wood ideal for cabinetry in housing and commercial environments including kitchens, bathroom/laundry, cupboards and shelving.

Home Insulation and Cladding. As a consequence of its low thermal conductivity, Kiri Tree wood wool is ideal as an insulation material in cooling systems.

Plywood. Made from 7-year-old Kiri Tree is comparable with plywood from 40–50-year-old poplar.

Musical instruments. Kiri Tree wood has very good resonance qualities and can be used to make a variety of musical instruments.

Plantation Shutters.

Charcoal and Pulpwood.