Development of Fast-Growing Poplar Industry: Plantation, Application and Replantation
(Poplar Utilization In East China)

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CONTENT

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2. Whole Tree UTILIZATION

3. PLANTATION POPULAR UTILIZATION MODE

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1. PLANTATION AND APPLICATION
1.1 "A poplar tree dragon " Plantation, Application and Re-plantation
1.2 Poplar Development in China

Plantation Poplar

a. Planted in the low reaches of Yangtze and Yellow River;

b. Successful Story of Poplar tree in Jiangsu Province
   Before: 20,000 m³ supplied by the northeast China;
   Now: 2 million m³

c. WBP annual production of Shandong, Jiangsu, Zhejiang and Anhui Province: 51% of the nation total
   (88.38 million m³/2007 year)
Chinese Fast Growing Tree
Chinese production volume of wood-based composites
(unit: $1.0 \times 10^4 \text{ m}^3$)
2. Whole Tree UTILIZATION

Top

Stem

Root

Fiber Particle Strands
Strip
Veneer
Core
Slab
Lumber

Fiberboard Particleboard OSB

Blockboard

Plywood

metal paper and resin plastics

Decorative Panel

Composited Board

Modified Products

Glulam

Sliced Root Carve

Veneer
2.1 Big log for veneer and plywood
Some Researching Products
2.2 Small Tree

**OSB pilot shop: dry, blender, oriented former**
2.3 Fiber Board and Steam Injection
3. PLANTATION POPLAR UTILIZATION MODE

**Small factory**
- Veneer manufacturing mills
- Mills producing Strip or core for blockboard
- Plywood mill

**Big factory**
- (Middle-size cities and Suburbs of big cities)
  - Plywood (poplar core veneer + imported wood face veneer)
  - Blockboard (poplar core board + imported wood face veneer)
  - Reconstituted veneer
  - MDF PB OSB
3.1 Poplar Veneer Factory in North of Jiangsu
Plywood factory - small
3.2 Big Plywood

Peeling

Drying

Veneer

Spreading

Pressing
3.3 OSB Factory
3.4 Steam injection for thick MDF
3.5 Research – Set up Factory
3.5.1 MDF
Plane
3.5.2 OSB
4. CONCLUSIONS

4.1 University Combination with industry to Research

Whole Tree UTILIZATION
4.2 Combination production with research

Universities, Research institutes, Factory

must combined
4.3 Sustained development on poplar industry

Plantation and production of fast-growing poplar have been supported by the local government.

An economic chain from poplar planting to composition industry and applications has been set up.
Plantation must combine with industry
Ecology must combine with Economy
Poplar------Sustained Development
THANK YOU