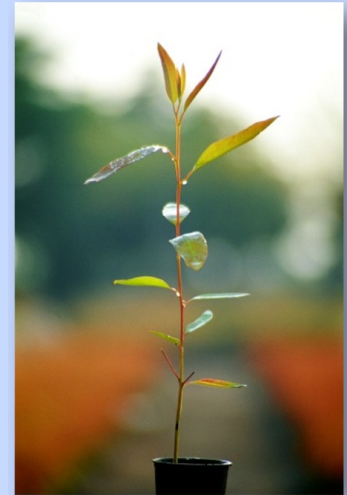


## Double A PAPER FROM KHAN-NA

### A. Double A PAPER-TREE

**Double A** is among the first paper manufacturers to undertake intensive studies on its raw materials before starting to operate its pulp and paper mills. **Double A** has conducted research and experiments to create an optimum tree strain suited for paper production and climate of Thailand. It succeeded in interbreeding a unique fast growing hardwood species which is known today as **Double A Paper-Tree**.

This fast growing tree matures in 3-5 years and is rich in fiber which is essential for high quality paper-making.



### B. Double A PAPER FROM KHAN-NA

**Double A Paper** from KHAN-NA is a revolutionary Asian solution to sourcing of fiber for high quality paper production. It is the cultivation of **Double A Paper-Tree** in straight rows along the unused piece of land between rice paddies.

With the help of over 1.5 million Thai contract farmers, millions of **Double A Paper-Tree** are planted each year, providing sustainable income to farmers after 3-5 years of cultivation.



### C. BENEFITS OF PAPER FROM KHAN-NA

**Double A Paper** from KHAN-NA embodies the three pillars of sustainability namely– environmental, social and economic responsibilities.

#### ENVIRONMENTAL

- **Double A helps to solve global warming –** Global warming is caused by emissions of green house gases such as CO<sub>2</sub>. Trees absorb CO<sub>2</sub> through their natural photosynthesis process. 400 million **Double A Paper-Tree** absorb 6.7 million tons of atmospheric carbon dioxide equivalents (CO<sub>2</sub>e) per year.
- **Avoidance of large scale Monoculture Tree Plantations and Forest Destruction –** Paper from KHAN-NA encourages the prevention of monoculture farming or large scale tree plantation and the destruction of natural forests. It stands against large scale tree plantations or the use of natural forest as a source of raw materials which helps in saving the existing natural biodiversity for generations to come.

## **Double A PAPER FROM KHAN-NA**

### ***SOCIAL***

- **No Displacement of Families**– There is no conversion of agricultural lands to tree plantations thus farmers are allowed to farm their own lands. Farmers are not forced to substitute or totally change their traditional cash crops such as rice to paper trees but rather encourage them to utilise the bland unused spaces around their paddy fields for paper tree cultivation. This way, they have two secure sources of income: traditional cash crops and **Double A Paper -Tree**.

### ***ECONOMICAL***

- **Sustainable Growth** – Through Paper from KHAN-NA, **Double A** will grow sustainably to deliver economic wealth for its shareholders, employees, the community and the country. Paper from KHAN-NA is the main source of fiber for the production of high quality **Double A** copy paper.
- **Additional Income for Farmers** –Thai farmers enjoy the aggregate additional income of up to THB 5 billion. On average a farmer earns THB 12,000 in additional income per year or 36,000 baht after the 3-year maturity period (an average farmer has 12 rai of land with 1,200 trees, 30 baht per mature tree). Farmers get the yield after 3-5 years of cultivation with patience and unused lands their main capital.