Fresh paulownia shan tong seeds for breeding

Paulownia species	Paulownia elongate, paulownia tomentosa, paulownia fortune, paulownia hybrid 9501, paulownia shan tong
Breed routes	Paulownia planting or sapling, Paulownia root cutting, paulownia stump, paulownia rootstock or stem, Paulownia seed and so on
Land	1. Ground water level: more than 1.5m. 2. Soil texture: permeablility or breathability good loam and sand soil, avoid clay, harden, ventilation adverse soil. 3. PH of soil, 6-7.5 is the best, 5-8.9 is acceptable. 4. Good irrigation and drainage systerm will be better. 5. Elevation up to 2000m is acceptable
Water	1. Fecund and wet. No ponding and water saturation 2. Annual rainfull 400mm-1200mm. 3. In seedling period, keep the soil with good moisture(20-40%), after grow up than 50cm drought resistant ability improve,then better and better. 4. attention please: water enough, no ponding, keep soil breathing
Sunshine	1. Plant paulownia tree in sunny place and keep away from heavy wind. 2. Try to prohibit paulownia tree under other bigger trees 3. Density. For seedling using 0.8x1m or 1x1m distance, for forestation 4x4m or bigger distance. Plant with crop distance more than 3x15m.
Temperature	Annual temperature 12-20celsius degree grow better; -20-+45celsius degree is ok, vulnerable to frost damage if absolute temperature less than -25celsius degree.
Fertilizer	At the first, for paulownia seed, paulownia root and paulownia stump, and other paulownia planting, give little fertilizer, and in the future: less quantity fertilizer and much more times.
Difference of seed and root	Paulownia seed price is lower, but seed very small and light, high technical requirement, and it is hard to get better seedling in one year. Keep genn of original plant not so well,It's easy to have a separation phenomenon. Plant by paulowna root(vegetative propagation), keep the nature of original species, simple technical, save work and time, get better paulownia tree