

**ONLY THE TOP 1% OF ALL TREES TESTED BECOME SUPERTREE SEEDLINGS VARIETALS
UNIFORM TREES, CONSISTENT GROWTH AND QUALITY
MAXIMUM POSSIBLE PERFORMANCE**

THE PROCESS

**CUTTING EDGE SCIENCE PRODUCES
CONSISTENT QUALITY.**

ArborGen is the global leader in Pine Varietal production. Varietals offer the ultimate levels of genetic improvement by combining selective breeding with tissue culture propagation. With this approach, ArborGen first breeds the best parents from over 50 years of genetics research, producing elite families like our MCP products. But then we go one important step further. Following rigorous testing in the field we then select the best individual trees from these excellent families. Finally, using our state-of-the-art and proprietary know-how, we produce pure Varietal seedlings through tissue culture propagation and deliver them to you as either bareroot or containerized seedlings.

SuperTree Seedlings Varietals are the best individual trees of the best hybrid families.

THE PRODUCT

**EXCEPTIONAL PRODUCTIVITY AND
VALUE CREATION FOR LANDOWNERS**

Our Varietal SuperTree Seedlings[®] are selected for fast growth, disease resistance, log straightness, reduced forking and efficient crown structure. Each Varietal is a genetic replica providing the greatest degree of stand uniformity yielding the highest number of crop trees per acre and thus the highest value per acre of all ArborGen products. Only the top 1% of all trees tested after 4-6 years will make the grade to become an ArborGen Varietal. Finally, most ArborGen Varietals undergo an additional level of review as their uniqueness is recognized by being awarded patent protection from the U.S. Patent Office. With appropriate silviculture, the landowner can expect both earlier thinning and final harvest ages as well as significant increases in the volume of sawtimber grade logs per acre. Varietal stands will also have a much higher number of pole trees per acre with slightly longer crop rotations. Our Varietals can be planted in pure blocks or in FlexStands[®] depending on landowners objectives. By planting and actively managing ArborGen Varietals, the landowner can expect increases in value of 80-100%, increases in revenue of 50% to 75% and rates of return from 11-16% over traditional seedlings.



EIGHT YEAR OLD AGV 105

VARIETAL: AGV105

GROWTH & FORM

VOLUME GAIN AT AGE 6	80%
AVERAGE HEIGHT AT AGE 6	33.9ft
BEST HEIGHT AT AGE 6	39.8ft
STRAIGHTNESS GAIN	29%
SAWTIMBER POTENTIAL (STP)	90%



VARIETAL EMBRYOS

WOOD QUALITY

SPECIFIC GRAVITY	0.394
SPECIFIC GRAVITY AGE	7 YRS
CHECK LOT SPECIFIC GRAVITY	0.397

LOG QUALITY

BRANCH ANGLE	medium
BRANCH DIAMETER	medium
CROWN WIDTH	medium

DISEASE

RUST RESISTANCE	resistant
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EIGHT YEAR OLD AGV 105

DEPLOYMENT GUIDELINES

