

WHAT DOES INDUSTRY NEED THAT TREE IMPROVEMENT CAN PROVIDE? SHORT-FIBERED SPECIES

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(Unfortunately, Dr. Valley was unable to submit a manuscript of his presentation at the meeting. The following short summary was prepared by Dr. D. T. Lester and approved by Dr. Valley.)

Dr. Valley emphasized the importance of cost control in industrial forestry. He pointed out the necessity of a systems approach to cost reduction. The Morbark Metro Harvesting System was discussed as an example of technological innovation, with implications covering several facets of the paper production process.

Other contemporary concepts of wood processing, including the long-wood system and the silage system, were mentioned. The trend toward utilization of smaller

trees and shorter rotations was mentioned. Bark removal was noted as a problem in newer harvest approaches and the possible application of genetics to facilitate bark removal was suggested.

Dr. Valley illustrated the decreasing development time between invention and commercial utilization of technological improvements. The holopulping process in which milder digestion increases recovery of usable carbohydrates was presented as an example of modern technological innovation.