

# Effects of grading strip-mined lands on the early survival and growth of planted trees

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Description: -

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Notes: 13

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## Alternatives for the Reclamation of Surface Mined Lands

× Seedling density per sq. If you order seedlings to plant 35 acres at a 7 by 10 spacing and allow for a 5 percent cull factor, you need to order 23,000 seedlings. It further involves air pruning, preferably in two steps using air as a means of root pruning to enhance the development of a dense fibrous root mass.

## Establishing a Christmas Tree Plantation

Crop tree release visualization from above in a small poletimber or large sapling stand. There are many reasons why forests are an important feature for the environment and in our daily lives. Originally restricted to a limited natural range of only 7 million acres, planting has greatly extended the present range of slash pine to more than 12 million acres.

## Planting Southern Pines: A Guide to Species Selection and Planting Techniques

This study evaluated the effects of a range of silvicultural treatments on the survival and growth of different tree species planted on reclaimed coal mines in the Appalachians. Trees that develop galls in the main stem are prone to breakage and early mortality.

## US7308775B1

Enhanced tree establishment and growth following ripping subsoiling illustrate the extent of soil compaction problems on reclaimed mine sites. The tour demonstrated that soil compaction can be reduced with a conveyor-spreader system, subsoiling, soil reconstruction, and by using end-dumps and rippers. The top 3 to 6 inches of the soil surface should be cultivated or broken up carefully so as to disturb the least possible amount of roots.

## Revival of the American Chestnut

Photo by Joseph O'Brien, USDA Forest Service.

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Federal and state agencies and universities in cooperation with coal industry associations developed high-quality reclamation practices for sustainable soil, plant, and water resources. Proceedings of the seventh biennial southern silvicultural research conference. A time sequence might be: February 1st—start germination in greenhouse at a temperature of between 68° F.

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When seedlings are emerging, more than one application per day may be necessary.

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Slash pine is very susceptible to fusiform rust.

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