

# CHESTNUT FOODS

## Harvard Case Solution & Analysis

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# Breakdown

## Common and Scientific Name

The common name would be American Chestnut or chestnut. The scientific name is *Castanea dentata*.



## Taxonomy

Kingdom- Plantae  
Phylum- Magnoliophyta  
Class- Magnoliopsita  
Order- Fagales  
Family- Fagaceae  
Genus- Castanea  
Species- *C. dentata*

## Adaptations

This plant has yet to adapt, meaning it isn't successful right now. Instead of adapting it's going extinct, causing biologists to genetically modify it.



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# Bioregion

## Where

The American Chestnut grows from Southern Ontario to the Mississippi. It can range from the East Coast to the Appalachians to the Ohio Valley. In Ontario the tree is only in the Carolinian Zone.



## Region Description

The region where it grows has many different site types, but coarse, acidic, well-drained soils are common. The climate would be fairly temperate. The tree is typically found in dryer, deciduous forests.



## Limiting Factor

Seeing as I can only find one big pressure, the limiting factor would be the blight. It has a bunch of scientists trying to create a new transgenic tree to combat the fungus.

## Selective Pressures



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