

# Intolerant Tree Community

## Southern Michigan Succession

The Intolerant Tree Community is characterized by trees that grow best in the sunlight with shrubs of the Shrub Community underneath them. In other words, they are intolerant of shade. They grow to 7 to 20 meters in height and produce little or no canopy.

This stage takes 5 to 50 years to develop. On abandoned croplands, these trees sometimes may be seen 20 to 25 years after the land is abandoned thus skipping earlier stages. This stage can last 50 years.

On good soil this community may not occur at all, and more advanced tree stage will invade instead. In such a case, the plants and animals of the Intolerant Tree Community would not appear at all.

On poor soil, or in areas of poor drainage, the Intolerant Tree Community may sometimes be the Climax Community.

The plants and animals that are examples of this community in Southern Tuscola County include:

PLANTS	ANIMALS
Apple, <i>Pyrus malus</i>	Chipmunk, <i>Tamias striatus</i>
Bigtooth aspen, <i>Populus grandidentata</i> Choke cherry, <i>Prunus virginiana</i>	Least weasel, <i>Mustela rixosa</i>
Black cherry, <i>Prunus serotina</i>	Opossum, <i>Didelphis marsupialis</i>
Black raspberry, <i>Rubus occidentalis</i>	Ruffed grouse, <i>Bonasa umbellus</i>
Black willow, <i>Salix nigra</i>	White footed mouse, <i>Peromyscus leneopus Rafinesque</i>
Boxelder, <i>Acer Negundo</i>	
Cottonwood, <i>Populus heterophylla</i>	
Eastern juniper, <i>Juniperus virginiana</i>	
Hawthorn, <i>Crataegus sp.</i>	
Interrupted fern, <i>Osmunda claytoniana</i>	
Peach leaf willow, <i>Salix amygdaloides</i>	
Quaking aspen, <i>Populus tremuloides</i>	
Red mulberry, <i>Morus rubra</i>	
Sensitive fern, <i>Onoclea sensibilis</i>	
Speckled alder, <i>Alnus rugosa</i>	
Tartarian honeysuckle, <i>Lonicera tatarica</i>	
Virgins bower, <i>Clematis virginiana</i>	
White birch, <i>Betula papyrifera</i>	