**One Acre at 1/64 Scale**

Problem: How to show a 1 acre plot in the classroom and use it for various activities.

Must be low-cost and adaptable.

Solution:

A one acre plot is 660’ x 66’ or 43,560 ft2

Trial 1: 660’ x 12”/ft = 7,920” 7,920” ÷ 64 = 123.75”

66’ x 12”/ft = 792 792” ÷ 64 = 12.375”

Observation: Too long and too narrow to be practical.

Divide Length by 2 Multiply Width by 2

Trial 2: 330’ x 12”/ft = 3,960” 3,960” ÷ 64 = 61.875” (5’ 1 7/8”)

132’ x 12”/ft = 1,584” 1,584” ÷ 64 = 24.75” (2’ ¾”)

Why 1/64 Scale?

This scale allows the addition of 1/64 Scale Farm Equipment at a relatively low price.

See: Ertl.com

I.E. Tractor and Grain Cart = $18.99 JD S680 Combine = $22.99

Planter = $12.99 Spray rig = $19.99

This size could be cut easily out of plywood. Portable, easily stored. Could be used at career days, or in the classroom for equipment efficiency, conservation tillage, etc. demos.

Alternate method: Use tape to mark the boundaries on an existing table.

Alternate method 2: Use rolled paper of sufficient length and width.