

# Fence Supply Calculation Sheet

## 1. Create your layout

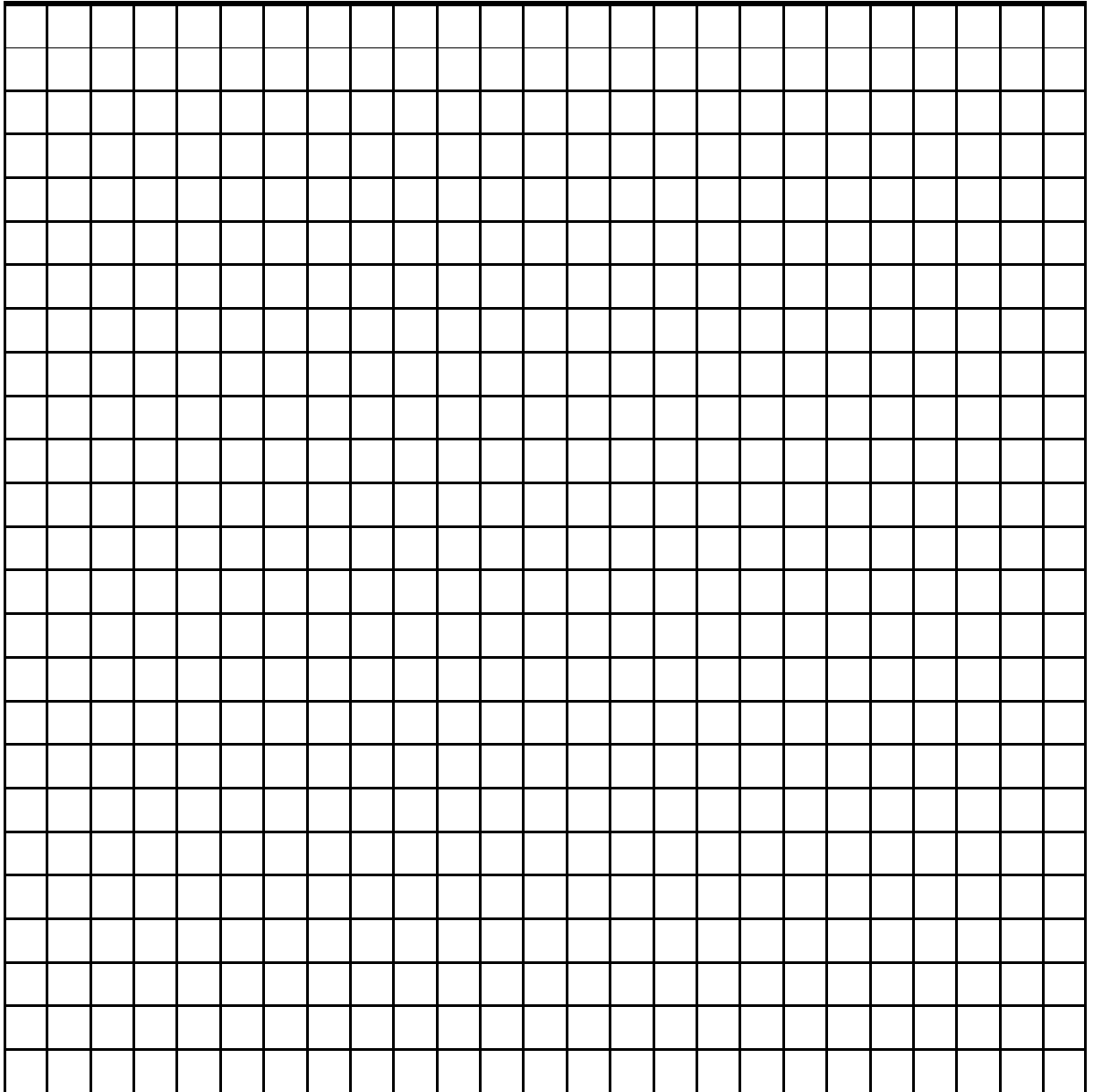
Plan your fence layout in advance and pick the components you'll need to complete the installation.

Using a pencil and the graph below, sketch out the area you wish to enclose, noting distances. Also include in your plan:

- Location of building or barns that will be enclosed by or are adjacent to your fence.
- Location of fence energizer and electrical source
- Trees and other obstacles
- Location of water supplies and feeding stations
- Low or wet spots
- Entrance or exit points where gates are needed
- Fence termination points



Shepherd's



# 2. Determine your perimeter length.

These distances are based on square-shaped perimeters. Shape of area will affect perimeter length.

1/4 acre = 417 feet	4 acres = 1,670 feet
1/2 acre = 590 feet	5 acres = 1,867 feet
3/4 acre = 722 feet	10 acres = 2,640 feet
1 acre = 835 feet	20 acres = 3,743 feet
2 acres = 1,181 feet	40 acres = 5,280 feet
3 acres = 1,446 feet	50 acres = 5,903 feet



<b>PERIMETER DISTANCE TO ENCLOSE</b>	
<b>FENCE ENERGIZER TYPE (AC/DC/SOLAR)</b>	
<b>POST</b>	
1. Type of Line Post (step in, t-post, wood post, rod post).....	
2. Post spacing (feet between post) Normal is 12-15 feet.....	
3. Number of Line Posts (perimeter ft. divided by post spacing).....	
4. Type of corner post (normally 8' wood set 48" in ground).....	
5. Number of Posts for gates/corners/termination posts.....	
<b>FENCE WIRE</b>	
1. Type of Wire (aluminum/steel/poly wire).....	
2. Number of Strands .....	
3. Total feet needed (perimeter x # of strands).....	
<b>INSULATORS</b>	
1. Type of Insulator (t-post/wood post/rod post).....	
2. Number of Insulators (number of fence posts x number of strands).....	
3. Type of insulator (cornerpost).....	
4. Number of Corner Insulators (number of strands x number of corner posts).....	
<b>GATE HANDLES (number of gates x number of strands)</b>	
<b>GROUNDING SYSTEM (8' ground rod/clamp/20,000 volt insulated hook-up wire)</b>	

The height and spacing of the wires will vary based on the size of the animal(s) you are containing. We always recommend positioning one electrified wire at animal's shoulder height, so the animal will hit the fence with its nose.