SAFE-FENCE ELECTRIC SYSTEM
Design Planning Chart

Careful planning of your fence design and advanced preparation is the key to proper installation and long term trouble free electric fence operation.

Planning & Installation TIPS

If you can lift 24 pounds, swing a hammer and turn a small wrench you can install Safe-Fence on any fence post.

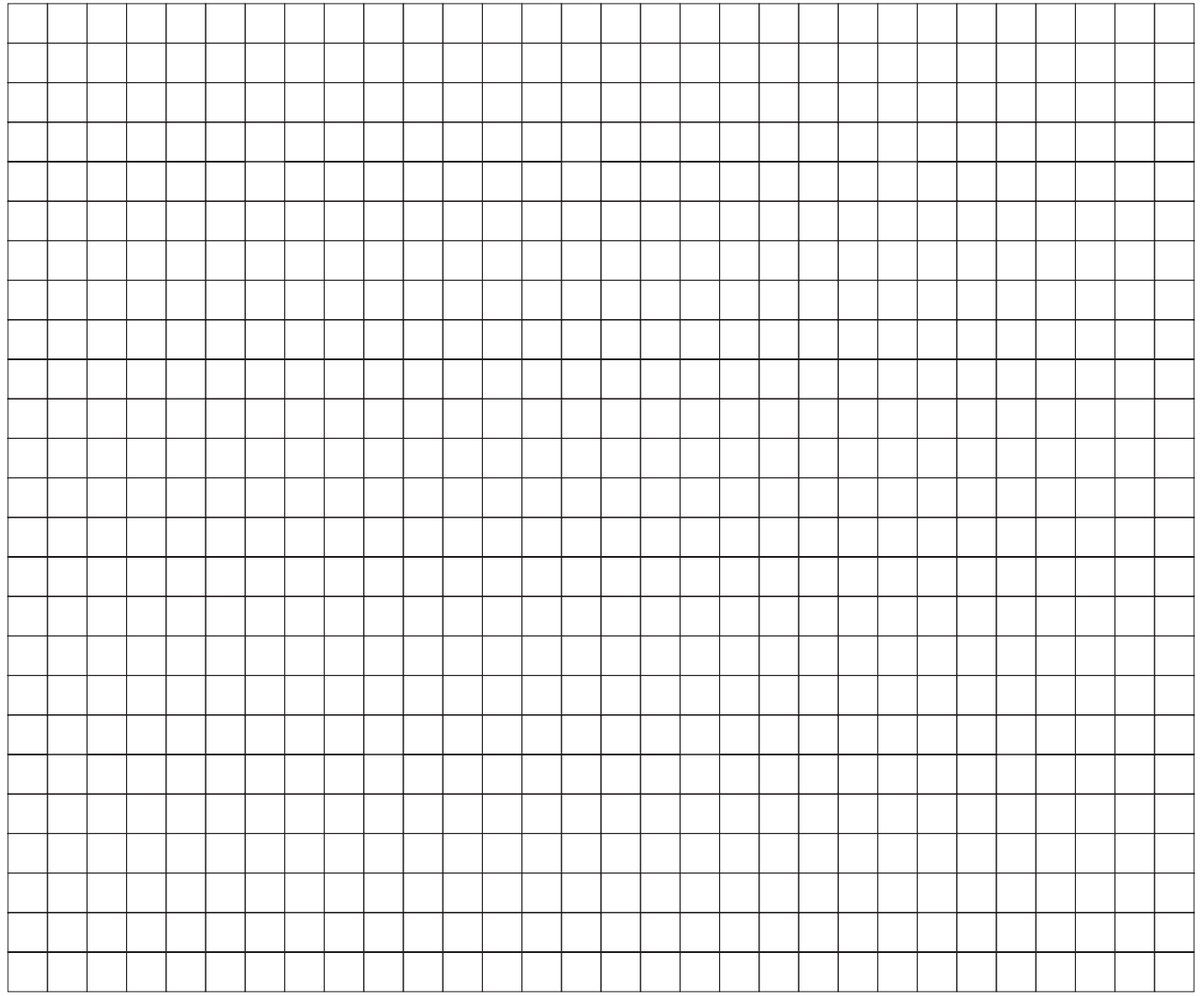
Number of Strands: Determining the right number of strands to use and the height of your fence requires some evaluation. The type of horses and the amount of property is first. If you ride as a casual pastime and have trail type, mature horses, 3 strands will be sufficient for pasture areas. Rule of thumb: less than 1 acre per horse use 4 strands, more than 1 acre per horse 3 strands is sufficient. If you have breeding stock with foals 4 strands is a must. Stallions, depending on their attitudes may require 5 or 6 strands, 5 to 6 feet tall. The average height of most installations is 54 inches to the top of the posts and 50 inches to the top strand. Spacing between strands would be 13 inches with 3 strands, leaving 24 inches from ground to bottom strand. On 4 strand installations, at 54 inches post height, spacing between strands would be 10 inches, leaving 20 from the ground to the bottom strand. If you are using 5 foot long Safe-Tee-Sleeves over tee-posts you may go the full 5 feet or cut of the bottoms to the height you desire. However you should never exceed 15 inch spacing between strands. Boarding facilities should always put up 4 strands at 5 feet high due to the prospect of new animals that may be unfamiliar with electric fence. It also adds aesthetic value and a very secure appearance that your customers will value. Pasture separations and in cell grazing applications 2 strands may be used were no foals are present. Never use less than 3 strands for perimeter fencing or less than 4 strands where property parallels a highway.

Soil: Soil condition is an issue that must be considered when installing electric fencing. Dry or sandy soil may require a fence charger with greater power than in moist areas where green foliage is abundant year around. Your ground system may also need to be extended for reliable electric fence operation in arid conditions.

Expansion: When choosing the fence charger it is recommended to not only consider the area being fenced, but to look ahead at fence to be added later. That way the right charger may be purchased the first time around.

Gates: Location of gates, type, and amount of traffic going through the area is an important consideration. Installing metal gates in high traffic areas and in corners makes handling animals easier. Electric gates are great for pasture separations or implement traffic.

Legend: End/Corner Post ■ Line Post ● Gate ■— Polytape —



See the Safe-Fence Electric System Reference Manual for complete installation instructions.

Safe-Fence Electric System 20 Year Limited Warranty

The Safe-Fence Electric System will be warranted 100% against ultra-violet degeneration and material or manufacturing defects for a period of five years from the date of retail purchase. This warranty includes all electric fence material as well as application hardware. Safe-Fence webbing is further warranted for an additional 15 years prorated at 5% per year from the date of purchase. Warranty is limited to the use of Safe-Fence Electric System hardware. Correct tightness of the tape must be maintained. Post spacing must not exceed 16 feet. Use of any fence charger other than a low impedance fence charger will void warranty. For a copy of the complete warranty statement call 1-800-843-3702.

Materials Checklist

Description:	Requirements:	Quantity Needed:
End Posts	1 for each end, corner, gate, in high and low places & in the middle of long spans.	
Line Posts	Install on 8' to 16' centers.	
SAFE-FENCE Polytape	Available in 200' & 825' spools.	
Tensioners	R-40 for end & gate posts R-50 for corners & tape gates R-55 for cross fences	
Insulators	R-16 for wood or vinyl posts, TP-25 for T posts (25 per bag)	
Screws	2 for each R-16 Insulator W-16 for wood posts S-16 for Safe-Tee Sleeves	
Splicer Buckles	For splicing polytape (4/package) Keep extras on hand.	
R-79 Wire Connectors	Two for each tensioner (4/package)	
R-12 Gate Handle or R-22 Gate Kit	One for each strand on each Tape Gate	
R-28 Insulated Cable	Enough for all connections from fence charger to fence and ground rods, between tensioners, under gates, etc.	
Horsepower Fence Charger	1 for each fence, rated by acreage	
Ground Rod Kit	1 for each fence charger	
Concrete Mix	1bag for every two post holes	
Gravel	Enough to put 6" in each post hole	

Tools required for Safe-Fence construction are:

Post hole digger, shovel, 1000' string line, screwdriver (Phillips), cordless drill & bits, scissors, measuring tape, level, & post driver (if using T-posts).

Distance around acreage in feet:*

¼ acre . . . . . 417'	4 acres . . . . . 1670'
½ acre . . . . . 590'	5 acres . . . . . 1867'
¾ acre . . . . . 722'	10 acres . . . . . 2640'
1 acre. . . . . 835'	20 acres . . . . . 3743'
2 acres . . . . . 1181'	40 acres . . . . . 5280'
3 acres . . . . . 1446'	50 acres . . . . . 5903'

**Square acreage only. Rectangular properties have longer perimeters.*