

All Tracks

Station #2

The landowner wishes to further diversify his farming efforts by venturing into viticulture. He wants to partition off an area of land to plant and produce table grapes. As a consultant, you have been retained to assist in the development phase of this project which includes developing and recommending an Integrated Pest Management plan. In order to complete your recommendation, you must **first** calculate the area of the field (a rectangle) to be used for grape production (see map for field boundary).

However, you can only access 3 corners of the field!!!!

So, your instructions for this station are to...

- 1) Use your GPS unit to measure (**in feet**) both sides of the field. (NOTE: You can write your lengths in the green, open space below your GPS Test #)
- 2) Then, use the formula (calculation process) below to calculate the area (**in acres**)
- 3) Place your answer in answer space 4 in the GPS Section of the scan sheet. (Note: Ignore the decimal place, round to 3 digits...see below)

Formula (calculation process):

- 1) Area of a rectangle = Length x Width
- 2) Divide your answer by 43,560 (to convert to acres).
- 3) Place your answer in answer space 4 within the GPS Section of the scan sheet. (Ignore the decimal and round to 3 digits;
Example: 9.458 → 946 (this number entered on scan sheet)
0.2234 → 223 (this number entered on scan sheet)

