Introduction to Vineyard Drip Irrigation Design
Part 1: Determining Flow

A vineyard grower plants 400 vines and plans to install two, 1 GPH drip emitters per vine.

1. What is the total flow requirement of the vineyard in GPH? In GPM?

2. If the vineyard has a well that supplies 10 GPM, can the entire vineyard be irrigated at the same time? If not, what is the minimum number of irrigation stations needed and the flow per station?