Entity-Relationship Diagram (ERD) Example

Stratton Farms has multiple orchards across the states of Vermont and New Hampshire. Every orchard has different numbers of fruit trees of different types. Ferdie Stratton has just inherited the company from his Father and wants to institute scientific management of his resources. To that end he wants to start maintaining a database on the orchards to determine the answers to such questions as:

How many bushels of pears did I harvest in Vermont last year?
What is the average age of the apple trees on Womsach Farm?
How old are plumb trees on average when they die?
How many varieties of apple tree do I have?

Design a database schema using ERD notation that will answer Ferdie’s questions.