

ter. The farmer today who is most successful has one or two leading lines, for instance, the orchard and dairy. However, we should not forget the old repeated advice "Not to have all your eggs in one basket." A fruit tree like any other plant will not grow spontaneously without cultivation and fertilization. This question of the economic fertilization of our orchards is a most important one. I have heard that an orchard can be properly fertilized through chemical manure. It may be quite possible. Keeping dairy cows are a source of fertility to fertilize our orchards. Dairy products take comparatively little plant food from the soil. We are told that in selling a ton of butter, we do not sell twenty-five cents worth of plant food—while in selling a ton of Timothy hay, we part with \$6.00 worth of plant food. It will not pay to keep cows for manure alone. And having this end in view, we should keep cows of a dairy breed—in other words, we want a special dairy machine. There are many advocates of the dual purpose cow, and they claim that she will give a useful flow of milk, and can be then turned out a fairly good beef animal. It is as well to argue that in selecting a mowing machine, to choose one strong and heavy, so that after you are done using it you can sell it for old iron. Having selected a good breed, we should feed the cows in an economical manner. This question of feeding is a most important one, especially as to what foods or combination of foods is best calculated to give paying results. We can do but little towards increasing the market price of our dairy products, but we can reduce the cost of running our dairy by careful attention to the cows' ration. The orchardist is able to utilize his land for the production of food for his dairy cows. You want plenty of succulent juicy food, roots or ensilage corn. These crops demand high cultivation. I have had some little experience in growing ensilage corn during the last ten or eleven years. In my experience ensilage is the cheapest feed that I can raise for dairy cows; I might say more with respect to this important crop, but I do not wish to take up more of your time. In addition to this corn food, we can grow clover hay, which supplies good fodder—Then we can also supply green fodder by raising peas. I have found a pea crop to my advantage—peas belonging to the family of nitrogen gatherers. Even when the trees come