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build up a great deal faster in the spring than the older queens. We must also raise our queens from the best stock we have in our yards, and occasionally add some new blood, which is very important. I will here give a few facts as to results obtained by fall feeding in my yard of 320 colonies during the fall of 1909. On the 1st of October 280 colonies contained from 15 to 30 pounds of honey in the brood chamber, and were each fed 20 pounds of sugar syrup, mixed two pounds of sugar to one of water; and 20 colonies that had practically no honey were fed about 30 pounds, while the remaining 20 had plenty of natural stores and were not fed any syrup. Now the results were that all but one stock came through the winter alive, and apparently one seemed as strong as the other when removed from the cellar, but at the beginning of the honey flow 90 per cent. of those that had both honey and syrup were boiling over with bees and needed supers, while

only 60 per cent. of those that had all honey and no syrup were ready for supers, and only 25 per cent. of those that had syrup only were ready for supers. Now, in my opinion, I believe there is no better winter stores than sugar syrup, but when it comes to brood-rearing it is not in it with the natural stores; and, therefore, in the future, I want each colony to go into winter quarters with from 20 to 30 pounds of honey and about 15 to 25 pounds of sugar syrup, as the old bees seem to have more vitality and bring on the first batch of brood better after being wintered on the syrup than they do if they have had honey alone for winter.

I know of no business that will give the young man as good returns as a good large apiary, but he should not run it as a side line with other business. If he has time to spare and wants more to do, let him keep more bees

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