

pings containing the coffee-colored, rosey matter. Uncapped several of these for examination and shut up hive. Placed another piece of zinc in trough, as old piece was eaten away by the acid. Each day poured three-quarters of an ounce of acid in trough until the seventeenth day from first placing zinc in trough. Seventeenth day examined colony. A much less quantity of unhealthy capped cells; perhaps this arises from the number uncapped on previous examination; all of these in a very old comb; in other combs, last year's, no trace of disease. Uncapped all unhealthy cells in old comb, and inserted end of straw dipped in the formic acid and zinc solution. Placed another piece of zinc in trough. Examined on twenty-first day. Not the slightest trace of disease; slabs of healthy larvæ, both capped and uncapped. Bees exceedingly busy bringing in pollen, and queen laying vigorously, a healthy, busy air prevailing the entrance, now enlarged to an inch, totally different from when first purchased.—W. B. WEBSTER in British Bee Journal.

## QUERIES AND REPLIES.

UNDER THIS HEAD will appear Questions which have been asked, and replied to, by prominent and practical bee-keepers—also by the Editor. Only questions of importance should be asked in this Department, and such questions are requested from everyone. As these questions have to be put into type, sent out for answers, and the replies all awaited for, it will take some time in each case to have the answers appear.

### Supplying Seed Buckwheat.

QUERY No. 243.—After Mr. Jones' experience last year will it pay me to supply a farmer with seed buckwheat for twenty acres. The soil is almost a pure gravel.

DR. C. C. MILLER, MARENGO, ILL.—If buckwheat yields well in your locality it may pay big.

G. M. DOOLITTLE, BORODINO, N.Y.—It never paid me, as buckwheat is a very uncertain honey yielder in this locality.

WM. McEVOR, WOODBURN, ONT.—I won't advise any man to find seed to produce a honey that I don't believe in.

J. K. DARLING, ALMONTE, ONT.—Not the present year at any rate, and I don't know as it would any year the soil being as you describe.

J. E. POND, NORTH ATTLEBORO, VT.—It depends upon circumstances and whether or not it gives a good nectar yield, which by the way is very "unsartin." It is one of those matters that cannot be predicated with certainty.

EDGEE SECOR, FOREST CITY, IOWA.—That would depend on how many colonies you have and what your fall pasturage is usually. I

should think ordinarily 20 acres of buckwheat would be worth more than \$10 to a man having 100 colonies within one mile of his apiary,

JAS. HEDDON, DOWAGIAC, MICH.—Not as a rule here, and never anywhere unless he is a personal friend of good sense, and will keep still about the bee-interest in it, as a rule he will first sow your seed on his land for your bees, and a little later on his own seed on his own land for his own bees in your chosen field.

PROF. A. J. COOK, LANSING, MICH.—I should not advise it. Sometimes buckwheat furnishes no nectar at all. Can you not induce your neighbors to sow buckwheat without this? Buckwheat is a favorable crop, especially if one sows Japanese. I sowed this variety last year and was so pleased that I have sowed ten times as much this year.

J. F. DUNN, RIDGEWAY, ONT.—I doubt it. In my locality there is often 40 or 50 acres of buckwheat within a short flight, sometimes, though not often, I get quite a good yield of honey from it. I consider it good for winter stores, yes I know it is, but it must be well ripened and sealed over. I have often thought that when reading reports of losses from wintering on buckwheat honey that the parties were mistaken as to the flora their stores were gathered from.

ALLEN PRINGLE, SELBY, ONT.—It might pay you handsomely and it might not, you must take the risk. If you have only a few colonies it would probably not pay, say over 20, and there is not an abundance without it in reach your investment would be pretty safe. At any rate, should any neighbor of mine within a mile come to me at the right time for buckwheat and say give me the seed and I will sow 20 acres, otherwise I shall not sow it, I would not be long in deciding to give him the seed, and for 50 acres if he wanted it.

### BASSWOOD FROZEN.

I. LANGSTROTH.—Extracted honey sells at 12½ cts. retail and 10 cts. wholesale. Basswood yielded well from tall trees in centre of bush. All blossoms were frozen on trees in clearing or on edge of bush.

Seaforth, Aug. 3rd, 1889.

While this is rather strange yet it is, we suppose, but natural. In the writer's garden are lovely grapes, while probably no one else can say the same thing in our whole village—all having been frozen down in June. Our vines were well protected by the house and fences. This morning, (Aug. 6.) all the cucumber, squash and pumpkin vines at the north end of our village are destroyed, consequent upon the frost of last night while at the south end not a bit of damage has been done. The land at the north of the village is somewhat low and damp, and much of it is what is known as "black muck."