

Are two pounds of soda too much to apply to 100 square feet of ground for lettuce.

WM. SPENDLOW, *Billing's Bridge, Ont.*

*Reply by Prof. H. L. Hutt, Ontario Agricultural College, Guelph.*

In such experiments one plot should always be left with no fertilizer, to serve as a standard by which might be compared the relative values of the different fertilizers or mixtures used. From the fact that the plants were killed when the nitrate of soda was used, shows that it was applied in too large a quantity. From  $\frac{1}{4}$  to  $\frac{1}{2}$  lb. would be nearer the proper quantity to use on 100 sq. ft. of ground. It might be applied to the best advantage by dissolving it in a pail of water and then applying it with a sprinkler. Care should be taken, however, that the other plots in the experiment receive an equal quantity of water. Nitrate of soda can be most economically used by applying it in small quantities at intervals of ten days or two weeks.

### Hardiness of Japan Plums.

**842** SIR,—Are the Japan plums, Abundance, Burbank, Satsuma and Willard, as hardy as the Lombard or the Bradshaw.

J. D. STEWART, *Aitken's Ferry, P. E. I.*

The Japan plums are not as hardy as the Lombard, although they appear to be doing well in southern Ontario. Will our subscribers who have had experience with them farther north, please say whether they are hardy with them.

### Quinces.

**843.** SIR,—Are the Champion and Rea's Mammoth quinces as hardy as the Lombard plum? Compare season of ripening with Lombard plum.

J. D. STEWART.

So far as our experience goes in southern Ontario the quinces are as hardy as the Lombard plum, but we have not yet received results of any experiments with them in our stations farther north. The season of ripening of the quinces is at least two or three weeks later than that of the Lombard plum.

### Plum Baskets.

**844.** SIR, —What quantity of plums does the plum basket of Ontario contain?

J. D. STEWART.

The plum and peach basket of Ontario are the same size and hold about a peck and a half.