

Spraying Pumps.

690. SIR,—You would greatly oblige me if you would give me the names of some of the best spraying pumps and necessary outfits for spraying apple, cherry and pear trees, and which you think is the most desirable pump, to use in an orchard of six hundred trees. The greater part of my apples are scabby every year and seem to be growing worse, and I would like to experiment with spraying. The Alexanders shown at the World's Fair from British Columbia were mine, and at one time I used to take the first prizes at British Columbia fairs for apples of this variety, but of late they have been too scabby.

GEORGE MEAD, *New Westminster, B.C.*

There is no doubt that our correspondent will find most satisfactory results from spraying his trees with sulphate of copper, as directed in other parts of this Journal. There are two pumps manufactured in Ontario, both of which seem to work satisfactorily. We believe both firms intend to advertise in our Journal, so that our correspondent may write to each of them regarding terms.

Norway Spruce From Seed.

691. SIR,—How do you raise Norway Spruce from seed? I am a young man on a new place
D. N. ANDERSON, *Wyoming.*

You would do better to buy seedling Norway Spruce trees from some one who makes a business of raising them. You can buy them very cheap. The seeds are gathered as soon as ripe and branches with cones hung in a dry place, surrounded with fine muslin, which catches the seed. They are kept in sand or a dry place until early spring and then sown thickly in a damp, partially shaded spot. One great secret is to keep them in a uniform state of moisture. Soaking the seeds in hot water a few days in advance of sowing will hasten sprouting; but the water should be changed daily for fear of fermentation.

Variety of Pear to Fertilize Anjou.

692. SIR,—What would be the best variety of pear to fertilize the Anjou; as this latter is self-sterile?
G. H. STANFORD, *Hamilton.*

Reply by Prof. Beach, of New York Experiment Station.

Concerning the best pear to fertilize the Anjou, I will say, that any pear blossoming at the same time might be expected to fertilize the Anjou satisfactorily except during unfavorable weather. I submit herewith a list of pears which blossom at the same time as the Anjou, from which your correspondent can select varieties most satisfactory to him: Angouleme, Bartlett, Boussock, Buffum, Clairgeau, Easter Beurre, Flemish Beauty. Kieffer begins to blossom here shortly before the Anjou, and does not remain in blossom quite so long as that variety. I may also add Lawrence, Manning's Elizabeth, Seckel and White Doyenne.