

exists, an opportunity occurs for dealing with this pest by cyaniding. The usual formula may be used, but the gas can be left on all night.

The mildew may also receive a final sulphuring. A good dressing now may considerably lessen the chances of trouble next season. It happens sometimes that a new house may be very bad with mildew for the first year, and if well sulphured may not be troubled for years afterwards, but it is a safe plan to be before it in the spring with the sulphurator. Vines should now be left to grow all they will until winter—the more rampant the better, as they are recuperating after the heavy cropping and stopping of the foliage during the fruiting-period.

THE SULPHURING OF VINES UNDER GLASS.

Mildew (*Oidium Tuckerii*) may always be expected, and this grape season it has been more than usually prevalent. The most effectual remedy known for this fungoid disease is sulphur. There are only two ways in which sulphur can be applied to vines without injuring the foliage. The first is by dusting or blowing the flowers-of-sulphur direct on to the foliage and fruit, making it come in contact with every portion of the plant. The second is where a vine-house is heated by hot-water pipes. In this case the pipes may be coated with a paint made of lime-water and sulphur. The heat of these pipes will not exceed 212° Fahr., and it will probably range from 160° to 200°. Between these temperatures sulphur is slightly volatile, and is driven off and deposited in very fine particles on the vines.

Where a vine-house is heated by flues or steam-pipes the heat would be greater than 212° Fahr., and this coating of them with sulphur would cause sulphur-dioxide fumes, which is the same as burning sulphur, and is very destructive to vegetation.

The mistake of burning sulphur in a vine-house to stop mildew is rather frequently made, but always with the result of destroying foliage and fruit. A light dusting with the hand or a sulphurator soon after the leaves unfold, and at intervals up to the colouring of the berries, is the most effectual remedy known, and no harm can be done.

The new orchards around Nelson, especially the great extension about the Moutere Inlet, are looking particularly well this season. A Canadian horticulturist who recently visited the district was very much struck with the remarkable growth made this season, which was, he said, in marked contrast to the annual growth made by apple-trees in Canada. He was much impressed with the possibilities of the district from a fruitgrowing point of view.