

The spraying must be very thoroughly done, so that every part of the tree from the ground up is covered. It should not be done when the bark is wet or the temperature is below freezing point.

This spraying would pay even if there were no scale, and our best apple growers regularly apply it along with two or more later applications to keep their orchards healthy and the fruit clean.

Lime-sulphur is the best and cheapest well-tested remedy.

It is usually possible to control the scale in one's own orchard independently of neighbors.

All nurseries to-day are inspected, and infested trees broken down and burned. No nurseryman is permitted to sell nursery stock without its being first fumigated with hydrocyanic acid gas.



Fig. 1. An old neglected apple orchard nearly killed by San José Scale. Observe the numerous leafless dead branches. (Original.)

SAN JOSÉ SCALE.

(*Aspidiotus perniciosus*, Comstock.)

INTRODUCTORY.—With the renewed interest of the last few years in fruit growing, and especially in apple growing and in the renovation of old apple orchards, has come a new interest in the different insect pests and diseases of the orchard. Of these foes the most destructive, wherever it occurs and is able to thrive, is the San José (pronounced Săn Hō zay, or Săn Hō say) Scale. This insect infests only a small part of the Province, but a part that is admirably adapted for fruit growing, hence the importance to the orchardists in these districts of being well informed on the means of identification, habits and best methods of controlling this pest. Interest, however, in the San José Scale is by no means limited to the infested areas, because progressive fruit growers in other parts of the Province, having heard or read reports of its destructiveness elsewhere, are anxious lest it get

estab
large
this
vesti
has f
made
thus
ingto
Jerse
B
Marl
José
nurse
it wi
in ma
in Ke
but th
about
It wa
is the
found
Horti
Entom
severa
have l
a foot

TH
A goo
based.
past c
was g
inter
able.
Guelph
determ
It
presen
shows
In La
places
southw
two or
one ba
has be
have b
localiti
George
conside