

# THE Canadian Horticulturist

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## DOES IT PAY TO SPRAY FRUIT TREES?

From the Country Gentleman, February 1, 1883.

**CANKER WORMS.**—This insect goes through apple orchards, and stripping off all foliage, leaves the trees with the appearance of having been swept with fire. Repeated defoliation checks their vigor and eventually destroys them. But the insect spreads slowly, and abundant time is given to meet and destroy them. Two members recommended the residuum from kerosene oil for this purpose. But the best, most efficient, and cheapest remedy is showering or spraying with a mixture of Paris green, in five hundred times its bulk of water, and taking care not to turn any sheep or other animals into the orchard till at least one heavy rain has washed the poison from the grass if it has been seeded. One or two sprayings annually to orchards would, doubtless, be well paid for by the destruction of other insects, or all those which eat solid food and would thus swallow the poison.

## THE ORCHARD AND NURSERY

From the American Agriculturist, June, 1883.

First, last, and all the time the orchardist must keep up his fight with insects. Success in fruit growing so largely depends upon the destruction of insects, that we feel it our duty to keep this subject prominently before our readers.

**THE CODLING MOTH OR APPLE WORM.**—Heretofore it has been supposed that destroying the fallen fruit, and trapping, by means of cloths around the trunks, the worms which left the apples remaining upon the tree, were the only helps. The moth, soon after the fruit sets, lays her eggs upon the calyx end of the young apple. The young grub as soon as hatched, eats its way into the centre of the little apple, and there, "growing with its growth," works its mischief.

**POISONING THE WORM.**—Experiments by some Western orchardists show that Paris green may be successfully used to destroy the apple worm. Soon after the young fruit is set, the whole orchard is showered with water, in which a small quantity of Paris green is stirred, in the proportion of a table-

spoonful to a barrel of water. The liquid should be thrown in fine spray, in order to wet every young apple. In its early state, the young fruit is erect, its calyx upwards, and the least particle of poisoned water falling upon it is sufficient to destroy the young apple worm when it attempts to eat into the fruit.

**IS IT NOT DANGEROUS?**—It will be asked. We do not regard the process as at all risky. Assuming that all the poison falling upon the young fruit could remain until that was ripe, there would be but little danger; but as the rains of months will fall upon the fruit, there is no danger to be feared. Fruit growers look upon this method of treating the apple worm as a discovery of great value.



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LOCKPORT, December 10, 1882.

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Mr. A. W. WHEELLOCK, of Moscow, N. Y., says: "I raised 600 barrels of apples the past season—300 of them were Northern Spys, raised on two and one-half acres. I sprayed my trees with Paris green. An orchard treated to Paris green ten days later failed; it was too late to save them. I applied the poison with Field's Force Pump, bought at Lockport."

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