

One of the most significant facts stated is, that the moth had its own way, because the proprietor of the orchard attached, up to that time, did not believe in spraying.

While in most commercial orchards the insect would not have multiplied so rapidly, if at all, because of the spraying for the preventive or destruction of others, in this case it had no check.

Who will not spray after such warnings and examples as these.

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### SPRAYING FORMULÆ.

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**Grape vine.**—For *anthracnose*; sulphate of iron and sulphuric acid solution in early spring; repeat after a few days.

**Black rot:** Bordeaux mixture, as soon as leaves are fully expanded, again after the fruit is set, and at intervals of two or three weeks until fruit is nearly grown, then, if necessary, copper carbonate.

*Downy or powdery mildew*; apply as for black rot.

*Ripe rot*, as above.

*Steely bug*: As buds are swelling, Paris green; repeat after about two weeks.

**Currant leaf blights.**—If injury appears before the fruit is gathered use ammoniacal copper carbonate, and after Bordeaux mixture (very freely).

*Worm*: When leaves are nearly expanded, Paris green; after Hellebore powder.

**Gooseberry.**—*Mildew* may be completely controlled by the persistent use of Bordeaux mixture, and the worm destroyed by the same means as for currants.

**Raspberry and Blackberry.**—*Anthracnose*; before buds break, copper sulphate solution; Bordeaux mixture, during growing season every two or three weeks; cut out badly infested canes; clear off old patch and make a new one frequently.

*Orange rust*; remove and destroy affected plants. *Saw fly*; kerosene emulsion, but no treatment is quite satisfactory so far.

**Strawberry leaf blight.**—Bordeaux mixture as soon as growth commences; repeat when fruit is setting; during fruiting season use ammoniacal copper carbonate; after fruiting, or plants not in bearing, Bordeaux mixture; renew the beds frequently. *Saw fly*, as in raspberries.

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### The Romaine Automatic Agricultural Machine

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A trial of this machine was made on the Exhibition grounds, Montreal, on Saturday, May 7th, which was witnessed by a number of Senators, M. P's., and practical farmers from the North-West, and from our own Province.

The machine performed all that was claimed for it as regards breaking and pulverising the land from a hard sod into a well prepared seed-bed at one operation, and its work was applauded by many extensive landed proprietors present.

It was propelled, on this occasion, by electric power, but will be provided with a gasoline engine for work in the country, and Mr A. A. Barnhart, the manager, explained that the engine would be much lighter—which, as it is a part of the machine is a great consideration.—The mechanism is strong and simple, and can be controlled, as regards the depth to which the soil is stirred, and guiding to keep it straight, or to turn round in any direction, by one man.

The general opinion amongst the spectators was that for breaking up land, free from large stones or other obstruction, as on the Prairie, the machine would be most useful.

GEO. MOORE.

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### Peace hath her Victories no less than War

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There is glory to be gained in other fields beside the field of battle. A man can be a hero and never see a battle. Any one who does his duty in the state of life to which he is