

## INSECTS INJURIOUS TO THE STRAWBERRY.

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| <ol style="list-style-type: none"> <li>1. The Strawberry Root or Crown Borer (<i>Anarsia lineatella</i>, Zeller).</li> <li>2. The White Grub (<i>Lachnosterna quercina</i>, Knoch).</li> <li>3. A Strawberry Leaf-Roller (<i>Anchylopera fragaria</i>, Riley).</li> <li>4. A second Strawberry Leaf-Roller (<i>Ezartema permundana</i>, Clemens).</li> <li>5. A third Strawberry Leaf-Roller (<i>Lozotænia fragariana</i>, Packard).</li> </ol> | <ol style="list-style-type: none"> <li>6. Other Strawberry Leaf-Rollers.</li> <li>7. A Cut Worm (<i>Agrotis</i>).</li> <li>8. The Measuring Worm (<i>Angerona crocotaaria</i>).</li> <li>9. The Smeared Dagger (<i>Acronycta obliquata</i>, Sm. &amp; Abb.).</li> <li>10. The Strawberry False Worm (<i>Emphytus maculatus</i>, Norton).</li> <li>11. <i>Osmia Canadensis</i>, Cresson.</li> <li>12. A Strawberry Bug (<i>Corimelaena</i> — ?)</li> </ol> |
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Fortunately, there are not many insects injurious to this useful and now extensively cultivated fruit. It has, however, several special foes, which have in some localities at times proved troublesome, and there are a few other general feeding insects, which take to strawberry, if it lie in their path, as readily as they will to any other green thing they may meet with. Still, in any case, the strawberry grower must not look upon insects as an unmixed evil, admitting of no toleration, for he would find it very difficult indeed to secure a good crop without their aid. In some varieties of strawberries, the flowers are more or less imperfect, the male organs being more fully developed in some, the female organs in others, so that fertilization can rarely take place, excepting through the agency of insects, who visit flower after flower, and carry and scatter the fertilizing pollen with them wherever they go; and even with the perfect flowers their presence and unconscious labour is required to ensure a liberal crop of well formed fruit.

### AFFECTING THE ROOT.

#### THE STRAWBERRY ROOT OR CROWN BORER (*Anarsia lineatella*, ZELLER).

This is a very troublesome insect where it occurs plentifully, and takes a liking to the strawberry; but, happily, this is not often the case. We have never seen it affecting this fruit anywhere excepting on the grounds of Mr. Luke Bishop, of St. Thomas, Ont., who first called our attention to it about the middle of May, 1869, when he brought us a few specimens. During 1868 and 1869, they played sad havoc with his plants, destroying a large proportion of them. We believe they have been less troublesome since. The borer is a small grub or caterpillar, nearly half-an-inch long, and of a reddish colour, which eats irregular channels in various directions, through the crown and larger roots of the plant, causing it either to wither and die, or else to send up weakened and almost barren shoots.

*Devel. of the root, upon contact*