## Spilsine

White Grub in Eastern C
Methods of Control. 5 received meat, eggs, milk, ${ }^{2}$ greens respectively, and the nir
ities were 26, 18,28 and 24, while
ind Dominion Entomologist reports ayerage gain per bird was $3.32,3$. that from information gathered, par- 2.79 , and 2.81 ounces. Thase of e one of the first Ont it is Ont., it is expected that injury by
hite grub will be effected this year
white grub will be effecteded tis yeortant
nsect has been receiving much atten
Ton during recent years. The com- To Topics in Season. plete life cycle of the insect requires
To externxinate thistles, simp
en them when in bloom. A barrel which has had kraut in
ciation with studies on the lifie-history assorn and be cleaned with salt. Rub d of the common kinds of white grubs, salt on the inside of the barrel, lea che cropervations have been mateo on it a while and then wash it off.
theowed on farms
you can fill the barrel with salt bri where the grubs have been decidedly and leave it in a day or two. njurious, and ass and
little or no injury has occurred. the insect spends the greater part of hoppers and crickets will not cut Its life in the soil, where it is not pos- parts of kerosene and one part of ms
sible to treat the pest, it has been chine
 crop rotation in which grass or clover crop a mixture of the same shall not
occupy the land for more than two occapy the land for more than two rithere is no best silo, for any sil
years, and preferably not more than years, and preffed fields where grubs. wor, ensive silo, poorly constructed,
one. In infester none. are present measuring from one-half I made a toy windmill, placed it to one inch in length the following a pole, set it in the garden with
coror rotation has been found to give pcio about a foot deep. The vibratio:
almost complete control:crop rotation has been found to give
almost complete control:First year: plant the infe
to oots and seed to clover.
$\qquad$ Second year: clover hay crop. Plow after a aheavy rait them. Wait a few hours.
under the clover sod in the spring of For ery the third year, and plant the land to which bees bring to their owners, corn or potatoes.
Fourth year: plant the land to oats increased apple crops to the owners Fourth year: plant the land to oats
orchards.
and re-seed to clover. From the above rotation it is seen when tips of shoots on pear tre
that the hay crop only occupies the and leaves wither, blig
is the cause. The disease is carri that the hay crop only occupies the is the cause. The disease is carri
land one year, and that with every
, four years two crops of clover are sap. Hence, the way to check trouk
grown. This plan besides giving pracgrown. This plan, besides giving prac- is. to cut out the tips as soon as po
tical control, will maintain the land
sible. To prevent spreading the di tical contror, whe of fertility. Similar sible. To prevent spreading the d
in a high state
procedure should be followed in break- ease, disinfect the tools after each procedure should be followed in break- with corrosive sublimate. This shou
ing up an old pasture, except that the be kept in a bottle out of the rea ing up an old pasture, except that the be kept in a bottle out of the real
sod should be fall plowed and worked of of children, and should be label.
os as frequently as possible. If pigs are allowed a free run of out, cut a little distance below t
badly infested pasture land, they will diseased part, and burn all portio bady infested past the grubs and ma- removed.
root out many of the terially help to control the pest. Ashes or road-dust will kill pea
Domestic poultry feed readily on slugs. The minute dry dust gets Domestic poultry feed readily on slugs. The minute dry dust get
white grubs, and should be encouraged them, they will start to dry up. to follow the plow as much as pos-
The lible. lackest grapes in the world a
Tirds, crows and other grown under glass in England. Grap sible. Black birds, crows and other grown under glass in England. Grap
birds, as well as skunks, also feed of the Giant Gros variety often me birds, as well
on the grubs. $\qquad$ of the Giant Gros variety often inch
sure between four and five inch
arent sure between four and fine
around, and clusters weigh twenty
Best Feeding Rations for Young
As a preliminary step in the study
 oung chicks last year. These birds sowed salt about as thick gas s woil were fed for a five-week period, dur- broadcast turnip seed. I have pr ing which time the weekly gain in ticed this for fifteen years, and h
weight was carefully noted. The an- not been troubled with cutwor nual report of the Farms for that year since.
states that the basal ration in this
Scattering boric acid on the gre experiment consisted of finely ground house walks the last thing at - in
corn, wheat and oats and finely ground kills many cockroaches that are corn, wheat and oats and finely ground, kills many cockroaches that are
bran, shorts and cornmeal. Pen No. to destroy plants growing in
 plemented by one or more feeds, e.g.,. Fround here always use paper ba greens, eggs, meat, and milk. Pen to protect newly set plants from c No. 1, the poorest, lost 31 birds and worms. It would be quite a lot
the survivors made an average gain work and useless expense to the survivors made an average gain work and useless expense to
of only 1.67 ounces. Pen No. 9 , fed these bands together with co
to meat, eggs and greens in addition to string. Here is a way to hold the
the basal ration, suffered the lowest bands
together. Take tough pap the basal ration, suffered the lowest bands together. Take tough pap
mic :tality, namely 4 birds, or 10 per lor loge nough to make the band, a ceni, and gained 5.26 ounces per bird; about six or eight inches wide. $F$ and
while in Pen No. 11, which had a this together lengthwise in the while in Pen No. 11, which had a this together lengthwise in the mid
ration similar to No. 9 but had milk shove one end of this into the fo
to drink, the mortality was 7 birds, of the other end about an inch, to drink, the mortality was 7 birds, of the other end about an inch,
but the gain of 5.87 per cent. was the there you are. In using, make a lit highest pen average. The reativell frence, so to get the band about
value of these four feeds can be well finger shown by a comparison of the results inch in the ground. Draw a when they were fed singly in addition loose ground around the
to the basal ration. Pens 2, 3,4 , and hold the band in place.

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