

TO KILL ALFALFA WORMS

Pests May Be Starved, Drowned or Dried Out, Say State Bug Expert in The Valley.

The following statement has been given out by Mr. V. L. Wildermuth, of the U. S. Department of Agriculture, and Mr. Walter E. Packard, of the State Experiment Station, located at El Centro, regarding the destructive alfalfa worm.

"The damage done by the larvae of the yellow butterfly to the alfalfa has become so serious that it was thought best to give certain tentative results regarding the control of this pest, which have been reached so far in the investigations started this spring by both the State Experiment Station and the U. S. Dep't of Agriculture. Since the investigations looking toward the control of the butterfly have not yet gone over a single season, absolutely conclusive results can not be given. The suggestions offered, therefore, should be considered only as a probable means of handling the problem.

"The alfalfa butterfly (*Colias eurytheme*) is the cause of so much damage in this section of the country, because the growing period of the alfalfa extends over such a great such a great length of time and because the winter season is so mild. The butterfly hibernates in the pupal stage during the winter months and, at the beginning of spring, those that have survived the unfavorable conditions and the attacks of their natural enemies issue as butterflies and begin to lay a large number of minute, oblong, whitish eggs on the leaves of the alfalfa. These soon hatch and later appear as the destructive green worms, which rest on the stems of the alfalfa and feed on the leaves. In due time they pass through the regular life history and emerge as butterflies. At the present time the third brood is doing the damage to the alfalfa.

"It seems that a large proportion of the worms can be killed by cutting the second crop earlier than is the common practice throughout the valley; but since time for such action has passed, the best thing that can be done is to cut the present of future crops as soon as the worms appear in the fields, and thus not only save some of the crop affected but also prevent the majority of these worms from maturing and laying more eggs for the next brood. Many worms are shaken off in the wind row or the hay cock during the process of making hay, but a large per cent. of them die of starvation, as the new growth does not come on in time to give them sufficient nourishment. The degree of success obtained by these means will depend materially on thorough and clean cutting. The shorter the hay is cut and the less green alfalfa left on the borders, ditch banks and turning rows, the less opportunity there will be for the worms to tide over this period. By irrigating with a big head of water immediately after removing the hay many of the worms remaining will be drowned. Of course care should be taken in this case not to scald out the alfalfa. Exactly opposite to this method is one in which the field is allowed to go dry for a week or so after cutting, thus insuring the starvation of all larvae present. A number of farmers have inaugurated the practice of allowing their fields to go dry during August, claiming that they thus secure better crops the following fall. If all of the farmers of the valley would do this, the probabilities are that the crop of worms for next year would be reduced. Even if the farmers of a single locality should follow the suggestions given here, the serious conditions which now exist would be alleviated, but the comparative success depends upon the cooperation of all of the alfalfa growers of the valley.

"A certain parasite, natural to the valley, has been found in many of the fields attacking the worms, but so far has not been present in sufficient numbers to be of any great economical importance. In dealing with any fields such as this, spraying or other similar methods of procedure are manifestly impossible."

In order to be able to collect as much data as possible and to reach final results, either of the agents located in El Centro will be glad to cooperate as far as possible in helping any farmer to carry out the suggestions given or to assist him in any plans that he may have to offer. Information or other inquiries should be sent to the State Experiment Station Agent, or to the U. S. Gov't. Entomologist, both located at El Centro.

WATER STOCK SALE POSTPONED.
The sale of water stock in Water Company No. 1, which was to have taken place at Imperial on Thursday of this week, has been postponed by the board of directors for thirty days.

WOULD AID INDIANS.
Miss Eagan, Indian agent at the Yuma Reservation, is attempting to entice the Indians to the point of raising crops this year on their allotments of land in the reservation in Imperial County. A meeting of the Indians was held last Sunday at which more than 150 members of the tribe were present, and Miss Eagan and F. L. Sellow explained to the Indians a plan whereby the reclamation service would serve water to a strip of land that can be easily cleared and put in shape if the Indians would construct the laterals. The agent offered to furnish seed and implements. The Indians did not take kindly to the proposition and asked for time to consider the matter.

INDIANS WILL PLANT LAND.
After a second powwow over the proposition to plant a portion of the Yuma Indian Reservation lands, in Imperial County, the Indians of the reservation have decided to accept the offer of Francis J. Sellow, project engineer, to supply water if the laterals are constructed by the Indians. Miss Eagan, the Indian agent, offers to furnish seed and tools, in order to encourage the Indians to become producers, and the farmer at the experimental station is willing to give them instructions in practical agriculture. It is believed that at least a dozen families will undertake the putting in of summer crops.

HORSE RACING AT CALEXICO.
Brawley is not to carry the Fourth of July honors alone this year, as Calexico is also preparing to furnish amusement for the valleyites in a series of horse races. The first race will be called at 8 o'clock a. m., and other races will follow during the day. The races scheduled are: First race, saddle horses, winner \$20; second \$10. Entrance fee \$2.50. Second race, 300 yards, winner \$50; second \$20. Entrance fee \$5. Third race, 1/4 mile, winner \$50; second \$20. Entrance fee \$5. Fourth race, 3/8 mile, winner \$75; second \$35. Entrance fee \$5.

THE "YELLOW KID."
The "Yellow Kid," one of Outcault's most popular creations, has been engaged by J. M. Julian, manager of the Valley Hardware Store, El Centro, to exploit the advantages of this store and its goods. The "Yellow Kid" will appear before the readers of The Imperial Valley Press every week, each time with bright new store news, and it will pay you to get into the habit of watching for these announcements. The Valley Hardware Store has been increasing its stock in various lines, and is better prepared than ever to satisfy its customers.

THEY VISIT CITY OF ANGELS.
Among the Valley visitors to Los Angeles the past week those who were guests of the Natick House included representatives of Valley towns as follows: El Centro—L. L. Forrester, G. W. Denny, John Patterson, E. C. Mathews, T. E. Shawley; Imperial—W. D. Conser, A. Sechor, W. H. Hawes, George Stullings; Brawley—Earl C. Pounds, Ira E. Harman, Lloyd Jenks, A. Mellin, Ralph Young, Balles G. Walker, A. Stephens, Gray Burrelle; Holtville—Frank Berrigan, Sam Webb; Calexico—Mrs. E. G. Burdick, Nicholas Carter.

CHAPLINS WILL APPEAL.
Attorneys of Frank N. and David H. Chaplin have notified the United States District Court of their intention to appeal the case wherein the Chaplins were convicted of conspiracy to defraud the government of Imperial Valley lands, and Judge Wellborn has given them until July 1 to file their bill of exceptions preparatory to carrying the case to the United States Circuit Court of Appeals.

CHANGE IN LAND OFFICE.
Harry B. Schwartz, Chief of Field Service of the General Land Office, who has resigned to practice law at Portland, is the man who wrote the opinion which opened the way to settle many Imperial Valley land cases covered by the relief bill that was so bungled that it failed to pass. Mr. Schwartz will be succeeded by James M. Sheridan, now located at Denver as special agent.

A MUCH-NAMED INFANT.
A male infant was found several days ago on the step of the Catholic Church at Yuma, and has been adopted by Constable and Mrs. Martinez, who have bestowed on the youngster a wealth of names. The boy is known as Juan Enrico Guillermo Carlos Pedro Martinez.

ANOTHER AUTOMOBILIST.
Dr. Virgil McCombs is one of the latest recruits to the ranks of the autoists. He has purchased a "Planders 20," and is making frequent spins into the country districts with the new machine.

POLITICAL ANNOUNCEMENTS

FOR COUNTY SURVEYOR

I hereby announce that I will be a candidate for the office of County Surveyor subject to the Republican Primary Election.
C. N. PERRY.

FOR COUNTY CLERK

I desire to announce that I am a candidate for the office of County Clerk, subject to the Republican primary election.
MAJOR S. COOK.

FOR ASSEMBLYMAN

I desire to announce my candidacy for the office of assemblyman from the 80th district, comprising San Diego outside and Imperial counties subject to the Republican primary election.
WM. P. MANSFIELD.

FOR COUNTY TREASURER

I desire to announce to the voters of Imperial County that I will be a candidate for the office of County Treasurer, subject to the decision of the Republican primary election.
J. STANLEY BROWN.

FOR DISTRICT ATTORNEY

I hereby announce myself as a candidate for District Attorney for Imperial County, subject to the approval of the Republican voters at the primaries to be held August 16, 1910.
PHIL D. SWING.

I hereby announce myself as a candidate for District Attorney subject to decision of Republican voters at the primary election to be held August 16, 1910.
M. W. CONKLING.

I hereby announce myself as a candidate for the office of District Attorney for Imperial county, subject to the Republican primary election August 16, 1910.
HERBERT W. BREWER.

FOR COUNTY SHERIFF

I hereby announce myself as a candidate to succeed myself as Sheriff of Imperial County, subject to the will of the Democratic voters at the August primaries.
MOBLEY MEADOWS.

FOR COUNTY ASSESSOR

I hereby announce myself as a candidate for the office of Assessor of Imperial County, subject to the Republican Primaries.
F. S. WEBSTER.

I hereby announce myself as a candidate for the office of Assessor for Imperial county subject to the Republican Primary Election, August 16, 1910.
WILEY M. WEAVER.

FOR COUNTY AUDITOR

I hereby announce myself as a candidate for the office of County Auditor to succeed myself. My record in this office is an open book. I refer you to the Board of Supervisors as to the manner in which I have conducted my office.
LEWIS F. DAVISSON.

I hereby announce myself as a candidate for the office of County Auditor subject to the Republican voters at the primaries August 16.
W. I. MCCOY.

FOR COUNTY SUPT. SCHOOLS

To the voters of Imperial County: I hereby announce that I shall be a candidate for the office of County Superintendent of Schools, subject to the action of the Republican primary election. Sincerely yours,
GEORGE A. RAGAN.

I hereby announce myself as a candidate for the nomination of the office of County Superintendent of Schools, subject to the decision of the Republican County primary elections.
L. E. COOLEY.

I hereby announce myself as a candidate for the office of County Superintendent of Schools, subject to the approval of the Democratic voters at the ensuing primary election.
J. E. CARR.

FOR COUNTY RECORDER

I hereby announce myself as a candidate for County Recorder, subject to the decision of the Republican voters of Imperial County at the primaries to be held August 16. Owing to the press of work at my ranch I am unable to make a personal canvass of the county, but respectfully ask my friends to support me and speak a word for me to those who do not know me.
BIRD E. NOSLER.

I hereby announce myself as a candidate for the Republican nomination for County Recorder at the primaries to be held August 16, 1910.
W. H. BUCK.

I hereby announce myself as a candidate for the Republican nomination for County Recorder at the primaries to be held August 16, 1910.
JOHN NORTON.

FOR SUPERVISOR

I hereby announce myself as a candidate for nomination for the office of Supervisor for the Second Supervisorial District, subject to the decision of the Republicans at the primaries to be held August 16.
W. O. HAMILTON.

I hereby announce to the voters of the Second Supervisorial District that I am a candidate for the office of Supervisor, subject to the will of the voters at the fall election. My platform embraces as principal planks: A supervisor first and all the time; the man to count, not the dollar; the interests of two residents and taxpayers outweigh the interests of one; dollars and acres not considered; good roads and dry roads.
DAVID DEWITT LAWRENCE.

I hereby announce myself as candidate for reelection to the office of Supervisor of the Second Supervisorial District, subject to the Republican Primary election, 5-11th election.
R. H. CLARK.

PUBLIC ADMINISTRATOR.
I hereby declare myself as a candidate for the position of Public Administrator to succeed myself.
E. E. FORRESTER.

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EL CENTRO LODGE, No. 397, I. O. O. F. meets every Saturday night in Masonic Hall. Resident and visiting members cordially invited to attend. F. A. Uber, N. G. E. H. Sherman, Secretary.

YUMA LODGE, No. 476, Benevolent and Protective Order of Elks meets every Wednesday evening at Elks' Hall. Visiting brothers are heartily welcomed. Meeting hours—8 o'clock. W. C. PETERSEN, Exalted Ruler. W. C. PRYOR, Secretary.

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Over 6000 cars handled successfully by us during the season 1909, demonstrates that our *System of Selling* is based on correct methods. *Sales Consumed F. O. B.—In Transit—Delivered.*

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LAND TITLES

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There are little things to watch when you deal in real estate. Omitted, serious trouble is involved either now or hereafter.

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