PEAR BLIGHT AND ITS CONTROL THE PACIFIC COAST UPON

This Is the Tenth of a Series of Articles That Will Be Printed Daily Until Subject is Completed-Every Orchardist in the West Should Save These Issues for Future Reference, as They Contain Valuable Information.

By PROFESSOR O'GARA,

Medford Mail Tribune.

Summer Cutting. infection periods in which conditions valuable trees. have been extremely favorable to the Removal of Water Sprouts and Low development and spread of the disease. Under eastern conditions, or where excessive spring and summer Summer cutting is a failure, or is sprouts and low fruit spurs. Water far into the future, but it will be done made apparently so because of the sprouts coming up from the root as it has been done with other plants. fact that new infections invisible at system, even at some distance from the time the work is done, may de- the base of the tree, have caused fatal velop in a few days so that a week infections. Fruit spurs when located after the most thorough cutting out of the blight a new crop of infections. Fruit spurs when located on the body or main forks, and becoming infected, quickly introduce KIPLING PAYS HIS tions is found thriving. Another the germs into the thick, fleshy bark source of difficulty in the spring or which carries all the sap, and dessummer time arises from the rapid truction is very rapid if the tree is extension of the blight infection in growing rapidly and if it happens to the branches of varieties that are very be a very susceptible variety. Water susceptible to the disease. Some-sprouts from the French stocks on times, especially where the nfection which most of our commercial variehas reached a large leader or the ties are grafted are very susceptible, body, the germs often reach a foot and should be removed with the or two beyond the discoloration, as greatest of care. It needs no arguthe disease is spreading so rapidly ment, therefore, to state that the rethat the bark has not had time to moval of water sprouts and fruit discolor sufficiently to be detected; spurs well up on the limbs is an imtherefore, in summer cutting the re- portant subsidiary practice in the conwhat of the distance by the rapidity result is that several water sprouts ward. with which the stained b. rk blends come from the same place the next more, a reddish streak will often be cut out as far as the wood, and a English nation. be apparent in the car blum and gouge or sharp saw, although producyoung wood, and by following it up, ing a larger cut surface, effectually to the monarch and the climax comes trend of the blight. The greater the pruning back of the tops of the trees lows: distance in which the blending takes as generally practiced throughout the We accepted his toll as our right, place the lower the cut must be made coast as a means to secure heavy None spared, none excused him, important in summer cutting than in of these water sprouts so that the

dry coast climate the sunlight and

dry atmosphere will usually take care

Assistant Pathologist United States on cut surfaces, it is by no means true ever, the conditions on the Pacific Department of Agricuture. Writ- that infection may not take place ten especially for the Medford Mail from such cases. Furthermore, a Tribune. Copyright, 1910, by the foggy morning following the cutting would be little danger of losing the (Continued from Wednesday, May infect, In a recent bulletin published while Bartlett and other non-resistant by one of the eastern agricultural colleges the recommendation is made to "disinfect the cut or wound and Summer cutting intelligently ap- not the tools." This is one of the graft union. Every pear grower on plied may do a great deel of good in worst mistakes that could be made, saving trees which would otherwise and shows that the author has never blight knows that Winter Nells and be lost. This is especially advisable had any proceed experience in fightwhere there is only a little blight in ing the disease. Often in using the grown, has noticed that these variethe orchard (by this I mean to say tools, accidental cuts or punctures are ties rarely blight seriously, although that unless the infection is so se- made, and it may happen that infec- they may be surrounded by a great rious as to necessitate the destruc- tion may be produced by them. As to deal of infection. Of course, we do tion of the entire tree), and it should the choice of a disinfectant, permit know, on the other hand, that they always be practiced. The dry sum- me to state once more that there is are not immune even on the coast. I mer weather of most of the Pacific nothing cheaper nor better than bi- should offer as a suggestion that Kiefcoast country, especially from south- chloride of mercury, and any substi- fer stocks might well be set out and ern Oregon southward, is certainly tute for it should not be considered. afterwards top-grafted to any of the When he heard that his people had today the Western Pacific railroad not favorable for new infections, but Always use the proper strength, 1 to occasionally spring rains occur rath- 1000, or even stronger, and accept no will, at least, provide resistant bodies Straightaway he came to us. the summer and after the blossoming cutting of blight with as great care as danger of loss by body and root intime. Until the present year such possible; if this is not done you may fection. I wish to urge that the find- Not has not occurred in southern Oregon, reasonably expect to do it all over ing of a variety of pear entirely imbut the past spring has had several again, and, perhaps, lose some very mune to pear blight will alone solve Dying

Fruit Spurs.

By far the greater part, probably hands who remove them so as to

winter cutting, and, although in the problem is really an important one.

Resistant Bodies and Stocks.

before, is the possibility of working all the non-resistant varieties of pears and apples on resistant stocks or bodies. It has been stated that the Winter Nelis and the Kieffer varieties of pears are the most resistant of commercial varieties. Under eastern and southern conditions, the Kieffer pear is really the only one that has stood against the ravages of the blight. By this I do not mean to say that it is wholly immune, because under exof most of the ge ms accidentally left treme conditions it will blight. Howcoast are such that if the Kleffer were used as a stock or body there might spoil the whole procedure, so tree by root and body infections. Exthe only safe way is to always dis- perience in California has shown that varieties have blighted as far as the Nelis and Kleffer stocks, the infections have usually stopped at the the coast who has had experience with commercial varieties of pears. This the pear blight problem for this specles of pome fruit. The same will be true of any other of the pome fruits. Simply as any that served him he As soon as an immune is found the possibilities of plant breeding will, All that Kings covet was his, and he rains are the rule, summer cutting is as high a percentage as 80 per cent no doubt, evolve commercial varieties flung it aside for us. only half successful, and has, there- of the loss of trees in California and equal to those that we have now, and, fore, been condemned by most pear southern Oregon has come from body at the same time, they will be imand apple orchardists as a fallure. and limb infections through water mune from disease. This is looking

tance and which has been mentioned

Writes Poem Entitled, "The Dead King," Voicing a Eulogy by th English Nation-Is Masterful Ef-

moval of the infection must be at a greater distance from the point of in-Experienced men can judge some- leave a stub an inch or so long. The touching tribute to the late King Ed-

The poem is entitled "The Dead off into the normal bark. Further- year. Water sprouts should always King," and 76 ces a eulogy by the The general idea is one of homage

a clue may be had as to the posible removes the spur for all time. Heavy in the last stanza which runs as fol-

and conversely. Disinfection is more fruit yields, encourages the pushing When he was bowed by his burden his rest was refuse! him.

We troubled his age with our weak-

One matter of very great impor- The blacker our shame.

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need of him,

er late and sometimes extend into substitutes. Do the work of summer and roots which will eliminate the As received, so he gave, nothing grudge', naught denying, on the last gasp of his breath when he strove for Ls.

for our sakes without question, he put from his all that he cherished,

served, and he perished. Simply as any that died in his sec-

Gverland Service Postponed.

vice he died for vs.

OROVILLE, Cal., May 19 .- According to information received here

will not start its overland passenger service until July 1, owing to washouts in Utah and Nevada. It was first announced that the company would put on passenger trains April 1, but a landslide in the Sierras caused a postponement until June 5. The washouts are responsible for a second delay.

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