

SMUT CONTROL IS A PROBLEM

Growers Are Alarmed Over a Growing Loss, Which Is Great.

(Walter A. Holt, County Agent)
Wheat growers are considerably alarmed about the damage resulting from smut. In parts of the county the loss this year has been particularly great. Scientific investigators have for years and years been giving a very large amount of attention to grain smuts and their control and up to now the problem is not completely solved.

There are many, many angles to the wheat smut problem, but only a few of these can be considered in connection with this statement. It appears to be a fact that bulking of wheat is helping to aggravate the smut problem in some districts, due to the greater mixing of the grain in the bulking operations, thereby increasing the spread of the smut. Temperature and moisture are factors which have a direct bearing upon the smut problem, and the shipment of smutty lots of seed about the country is certain to bear some relation to the whole problem.

There has been some disposition to go back to the old methods of grain treatment and to discontinue the use of copper carbonate. It is a fact, too, that formaldehyde or bluestone and lime give as good smut control as copper carbonate, but the older methods have certain serious drawbacks in the way of damaging stands, thereby in-

creasing weeds, with yields sometimes cut as much as 30 to 40 per cent due to the use of formaldehyde or bluestone. It is true that there has been an apparent gradual increase in wheat smutting in recent years. However, it is a fact that the 1925 freeze-out resulted in the wheat acreage at that time being nearly 100 per cent spring planted, and spring planted grain has very little tendency to smut. That meant that the crop that year was unusually free from smut, but that crop disease has been increasing from year to year since that time due to the fact that almost the entire acreage of the county has been fall planted.

If soil conditions are just right at the time of fall planting, good stands will come from the use of formaldehyde, or bluestone, but the records show that when planting conditions are not perfect, and they frequently are not, these older treating methods result in serious loss in total yield due to thin stands. Dry fall conditions are particularly in favor of the copper carbonate treating method.

The following points may be causes leading to heavier smut losses:

1. The use of smutty seed. If the seed contains a large number of smut balls, or if the kernels are darkened by smut, the following crop is much more apt to be smutty than if clean seed is used. This is true even if the smutty seed is well treated.

2. The tendency to use less copper carbonate than necessary. After treating, the kernels should show a distinctly greenish color, particularly at the end opposite the germ. If, after treating, the grain cannot be easily distinguished from untreated grain, treating should be done over again.

3. Treating machinery improperly adjusted. Recently the county agent called at the ranch of one of the Umatilla county wheat growers who has asked for an opinion regarding the treatment which he was giving his

wheat. The grain he had been treating showed a very light coating of copper carbonate. An examination of the treating equipment revealed the fact that the copper carbonate was not being fed into the grain at a rate sufficiently rapid, and by making certain minor adjustments on the machine, a thoroughly satisfactory job of coating of the seed resulted.

4. Low grade copper carbonate not always satisfactory. Last year this office sent out to Umatilla county wheat growers a statement prepared by the head of the Farm Crops department and of the Plant Pathology department at Oregon State College, in which it was recommended that the copper carbonate used for wheat seed treatment should contain approximately 50 per cent of copper. It is true that the lower analysis copper carbonates are giving good control in many cases, but scientific investigators take the position that the higher copper chemicals should be used for the reason that the lower grades are less desirable where the grain is fairly heavily smutted. In other words, it is safer to stay with the higher copper analysis for all kinds of conditions. The difference in cost is not of any great consequence.

Wheat League to Meet

The Oregon Wheat League will hold its annual meeting in The Dalles, November 13 and 14. The executive committee held a meeting at Arlington Saturday. A number of committees were appointed. Joseph N. Scott of Athena was appointed on the taxation committee.

Butterflies Fly South

Millions of small, brown butterflies are reported in the Ukiah district. The insects are on the wing and flying south. It is an unusual phenomenon, and so far as known, such a multitude of butterflies has not been seen before in this county.

LEGION WANTS VOTE ON BEER

Prohibition Referendum Is Sought, Ex-Service Men Pass Up Bonus.

To the accompaniment of cries from the floor of "we want beer; we want beer," the American national legion convention at Detroit aligned itself with the forces seeking a change in the prohibition laws and asked congress to submit a referendum on the eighteenth amendment to the people of the various states.

At the same session the veterans' organization turned down a proposal that immediate full payment of bonus certificates be asked, and declared its belief that able bodied men should refrain at this time from placing added financial burdens on the government.

The prohibition resolution was favored by a vote of 1008 to 394. Cheers and antagonistic cries mingled with the shouts of "we want beer." No resolution proposing beer came before the convention, however.

So loud at times was the uproar that Ralph T. O'Neil, national commander, frequently pounded for order and the speakers had difficulty making themselves heard.

Just before final adjournment of the convention, Henry L. Stevens Jr., young Warsaw, N. C., attorney was elected national commander by acclamation.

The discussion on prohibition was the first on the national convention floor in the legion's history and was

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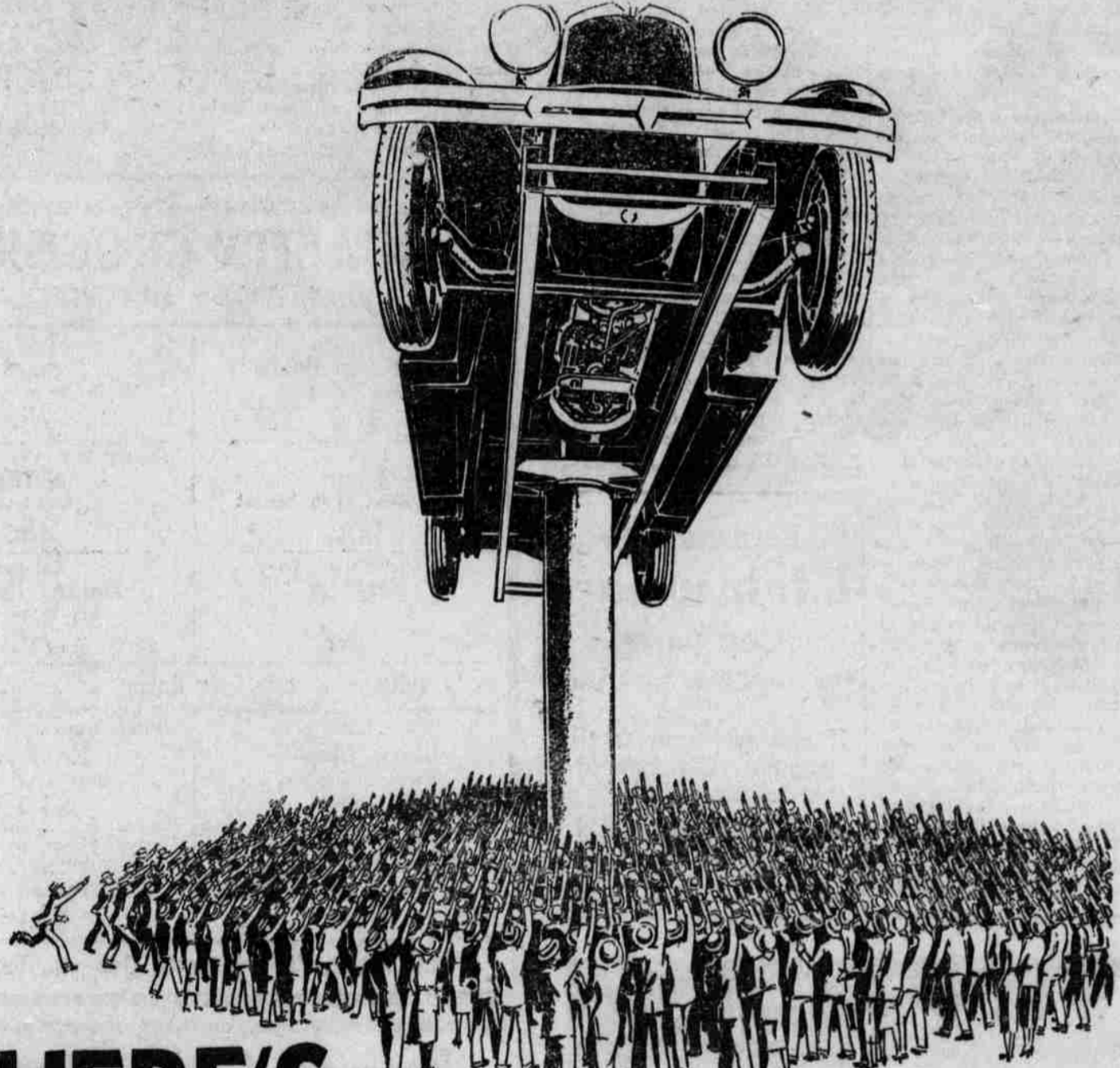
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Only Germ Processed Oil gives you the extra benefits of the "hidden quart"... for only Germ Processed Oil has penetrative lubricity, the ability to penetrate and combine with metal surfaces.

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carried under a ruling of Commander O'Neil that the issue is not a political one.

The majority report of the legion's resolutions committee asking a referendum on prohibition was read to the convention by Dr. Neal D. Williams of Missouri, committee chairman, amid wild cheering. A minority report asking that no action be taken on prohibition was presented by Lloyd Kain of Lexington, Neb., and was met with a chorus of boos. "We want beer," came the cry from the floor.

High School Notes

Athena Ready for Pendleton
"The prospects for the Pendleton game look very good," stated Coach "Pike" Miller, today. The team is going into the preparations with much more enthusiasm and a new interest, and has been working very hard on fundamentals. The line-up, according to the coach, may be changed a little.

Football Schedule Complete
The football coach states the schedule for the coming games which is as follows:
Oct. 3.....Pendleton..... Here
Oct. 7.....Weston..... At Weston
Oct. 17.....Heppner..... Here
Oct. 23.....Touchet..... At Touchet
Oct. 30.....Waitsburg..... Here
Nov. 6.....Hermiston At Hermiston
Nov. 11.....Weston..... Here
The prospects of the team are fairly good and it is expected that the Pendleton Buckaroos will be given a run for their money in the game tomorrow. Among the players who are expected to show their mettle are: Jenkins, Pickett, Singer, Moore, Miller and Towne.
The Weston games are expected to be very interesting on account of the keen rivalry between the schools.

Select Book Reports
Miss Mary Cameron, instructor of English in the high school, to a reporter of the English Three News Notes stated: "A different outside reading system has been introduced this year. The National Council of Teachers of English made a list of books with considerable scope both as to variety and quantity for home reading. Instead of pupils writing a long book report, they will have a private conference with me. My purpose in using this is to get them acquainted with good literature and develop appreciation through actual enjoyment of selections of literature that are appropriate for high school people."

1st and 2nd Grades Rhythm Band
"The first and second graders have started working with their Rhythm Band in which they learn to keep time to music," said Mrs. Milligan in an interview today. The first grade have not finished their pre-primer work, but will soon be able to start reading in their primers. They have just finished their family books in which they pasted pictures of families or family members.

The children of the second grade are reading in the Work and Play books and are filling in and answering questions in the Work Book in connection with the reader.
They have also started an Indian village for their sand table and have finished their canoes for it. They are just drawing the tepees for their village but haven't completed them.

Begin Literature
The earliest literature of Anglo-Saxon times and the prologue of Chaucer are being studied by the

English IV class. "The first part of our time was taken up by the earliest Anglo-Saxon literature," said Miss Cameron, the instructor. "The past week we have studied the prologue of Chaucer, and his time and writings."

Class Averaging 85
The Biology class is now studying about the lowest form of animal life, the protozoa. Special lectures and laboratory work makes the study of this kind of animal life much more interesting. Mrs. Stewart says "the average of the class is about 85 per cent, which is fair for a class of 10 pupils."

Freshman Initiation
The freshman class was duly initiated into the ranks of Athena high school in the gymnasium, Friday evening. The sophomores, who were in charge of the affair, presented a snappy and clever program, featuring the members of the Freshman class to the appreciative audience of upperclasses and faculty. After the program, group games were played. Refreshments were served in the party room.

Freshmen Study Exposition
"Good oral and written composition, adequate expression of one's thoughts are the essentials of Freshman English," said Miss Cameron in an interview today.
When a person can express himself adequately he can say at any time just the thought he wishes to transfer to the person to whom he is talking. The thought is then quickly and easily understood.
"Exposition and description are two types of expression. The freshman English class has been working diligently on both of these classes of composition in their oral and written themes. This work should aid them in gaining a command of English expression."

Girls' League Activities
At a Girls' League meeting, held Monday afternoon, plans were made and committees appointed for the annual Halloween party to be given for the high school by the League. The date for the party was set at Friday, October, 13. On the committees were

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Office Hours: 9 a. m., to 1 p. m.
No Charge for Consultation

Dr. Mellenthin does not operate for chronic appendicitis, gall stones, ulcers of stomach, tonsils or adenoids. He has to his credit wonderful results in diseases of the stomach, liver, bowels, blood, skin, nerves, heart, kidney, bladder, bed wetting, catarrh, weak lungs, rheumatism, sciatica, leg ulcers and rectal ailments.
Remember above date, that consultation on this trip will be free and that this treatment is different.
Married women must be accompanied by their husbands.
Address: 4221 West Third Street, Los Angeles, California.

refreshments, Mildred Hansell, chairman, Bonnie Alkire and Velma Ross; entertainment, Jasmine Trump, chairman, Arleen Myrick, Goldie Miller; decoration, Lorrna Ross chairman, Jewell Pinkerton, Valerie Cannon.

Coming Again
Save Your Eyes
Dr. H. C. Curry
The old Reliable Eyesight Specialist of Seattle who has made Professional Visits to Athena for 20 years will again be at the Hotel
Tuesday
October, 6th
For one day
Eyes Examined, Glasses Ground and Fitted. Charges Reduced.

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RAILROAD FARES CUT TO APPROXIMATELY
1¢ PER MILE
Fares apply between points in Oregon, Washington, Idaho, Utah, (except east of Ogden), Nevada, California, Montana (west of and including Butte and Havre), Wyoming (west of and including Granger), and some points in British Columbia. Minimum adult fare 50 cents. Children half fare.
GOING: OCT. 9, 10, 11
RETURNING: OCT. 19
(Home by midnight that date)
Approximate
ROUND TRIP FARES

TO DESTINATIONS			
100 MILES AWAY	200 MILES AWAY	500 MILES AWAY	1000 MILES AWAY
2.16	4.32	10.80	21.60

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