Explains Insect Damage To Grain

The following directions on the control of insect pests in stored grain was received by the County Agent today:

The term "weevil" or "fly" is used by farmers as a general name for a large number of insect pests that attack stored grain products. The Angoumois grain moth, pea and bean weevils and a number of beetles, both in the larval or immature stage and as adults, are included in the term "weevil" by the average farmer.

The Angoumois grain moth is one of the most important pests of wheat and corn. Eggs may be deposited on standing grain in the fields or the threshed grain may become infested and "heat" in the granary. Practically all infestations of this insect and other grain pests are the result of the carrying over of infested grain or refuse in the bins.

Cleanliness is very essential to prevent depredation of insects. Keep cribs and granaries clean and harvest the grain as soon as possible after maturity. Do not allow it to remain in the field, as several insects infest the grain in the field. Sell or feed all grain in the spring. Standing grain is infested after it reaches the milk stage by moths hatched from infested grain left in the barns in the spring. The stacking of wheat or holding wheat in barns unthreshed until late summer or early fall allows for the uninterrupted multiplication of the Angoumois grain moth. Hold-over corn is quite likely to be infested. Corn can be treated with an oil emulsion at harvest time to prevent infestation.

Carbon Bisulphide or Disulphide is one of the best fumigants. It is a slightly yellowish liquid having a very disagreeable odor, highly volatile, producing a gas heavier than air, and very inflammable. Use 8 pounds per 1,000 cubic feet for the ordinary farm bins, or use 1 pound to every 100 bushels and allow the gas to remain confined 24 to 36 hours. Repeat after an interval of two weeks. An outside temperature of not less than 70 degrees at the time of fumigation will give the best results.

If the grain is in a room that can be closed tightly, the liquid may be exposed in shallow pans above the grain, or saturated pieces of burlap; or it can be poured into the pile through a piece of pipe, plugged at one end and with holes drilled in the sides of the pipe near the plugged end. If there is no tight room available the grain may be covered with a tarpaulin or a piece of canvas and the carbon bisulphide exposed beneath it. The grain should be shoveled over after fumigation to air the grain and to prevent the collection of moisture and possible subsequent heating.

The greatest care should be used with regard to fire. Never carry a lighted lantern, pipe or cigar into a barn where carbon bisulphide fumigation is in progress. Electric sparks from motors or switches can ignite carbon bisulphide fumes.

Carbon bisulphide can be purchased from almost any drug store in small quantities, or from chemical or agricultural supply houses if large amounts are required. Chemically pure carbon bisulphide is not necessary; the technical grade is satisfactory.

Chlorasol Fumigation: This is a commercial name for a combination of 3 parts of ethylene dichloride and 1 part of carbon tetrachloride. This material is not inflammable and will not affect germination or the baking qualities. For best results with this, as well as with carbon bisulphide, the bins must be tight. Openings can be closed with wet newspapers, and some times leaky bins can be sealed on the outside with building paper. Before grain is put in a bin, heavy paper may be used on the inside to seal the bins.

Level off the grain leaving at least 6 inches of side wall to hold the gas until the fumes can go downward. Covering with a tarpaulin is desirable. Temperatures should be over 60 degrees at time of fumigation. Apply to the surface of the grain, or in deep bins with a perforated pipe. Apply the Chlorasol at the following rates:

Less than 500 bushels, 8 gallons; 500-1500 bushels, 6 gallons; 1500-3000 bushels, 5 gallons.

Higher amounts are needed in extra shallow bins than in normal bins. Repeat the fumigation after two weeks for complete control.

Chlorasol may be purchased from agricultural chemical companies and cooperatives in Maryland.

"THIS ABOVE ALL"

A picture is no greater than its ingredients, and the above scene shows why Darryl F. Zanuck's production of Eric Knight's novel "This Above All" is rated as the facorite for the award as 1942's best. Boasting two great stars in Tyrone Power and Joan Fontaine, "This Above All" also has Thomas Mitchell at the head of an outstanding featured cast. The film was directed by Anatole Litvak, from a screen play by R. C. Sherriff.

GEODETIC SURVEY BILL DRAWS VETO

President Roosevelt has vetoed a bill to authorize temporary appointment or advancement of commissioned officers of the Coast and Geodetic Survey in time of war or national emergency.

Mr Roosevelt noted, in a message to the House, that the measure provided that commissioned officers on the survey's active list "shall be deemed to be in active military service."

He said he was informed that under this provision, all active commissioned service men in the survey, whether in time of war or peace, would be eligible for benefits to which military personnel and dependents are entitled.

It would be different, the President said, if a majority of the Survey's functions were clearly military or naval.

"On the contrary, in time of peace," he said, "its duties and functions are normally civilian, and in time of war most of them continue to be civilian."

The President added that under existing law, Survey officers under military or naval command are entitled to benefits applying to the armed forces. The Survey's main function is to map the coast lines of the United States and possessions.

Despite the increased cost of living, the report said, farm families put more than twice as much into savings in 1941 as they did in the 1935-36 period.

"It appears," the report continued, "that farm families as a group were enjoying more of a higher quality of goods and services in 1941 than in 1935-36. However, the 1941 levels of consumption even of those goods still on the market cannot be maintained in 1942 without increased expenditures."

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By Authority of J. Herbert Carter, Political Agent

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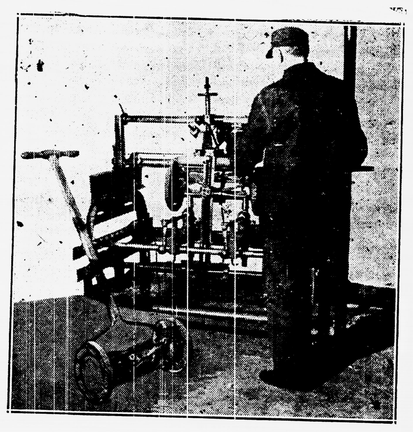

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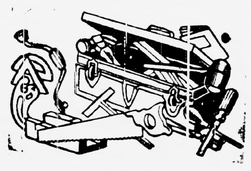
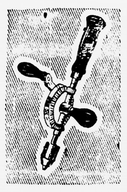




HAND DRILL

75c

Here's a handy little drill that'll come in handy a hundred times. Light in weight but strongly constructed.

Bits are extra.

SMALL HAND PLANES

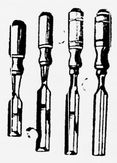
Small in size, but capable of handling the bigger jobs, too, these STANLEY Planes are an exceptional value at $1.85. And, of course, there is a selection in the lower price brackets, too.

1.85

DEPENDABLE SAWS

KEYSTONE LEADER $1.75

The "Keystone Leader" is one of our most popular sellers. A standard size saw, made of first quality materials, and priced exceedingly low.



KEEN EDGE CHISELS

55c AND UP

Although the selection on wood chisels is narrowing down each day, there's still an assortment on display that should meet your every requirement. You'll have to shop early for these.

6 FT. FOLDING RULE

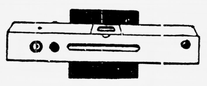
25c

For every-day household use you just can't beat this low-priced six foot folding rule at this low price.

SPECIAL

HATCHET

25c



SPIRIT LEVEL

24" SIZE $1.75

No tool kit is complete without a "spirit level". And here's a 24-inch model at $1.75 that will meet even professional requirements.

HOUSEHOLD HAMMER

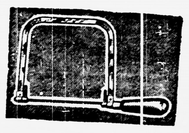
10c

Here's a light-weight hammer at the cheapest possible price for light household work.

HAND COPING SAW

For those little odd-jobs of sawing . . . in tight spots . . . for rounding . . . for cutting circles, etc., . . . here's just the Coping Saw you need. Price includes one blade.

90c



BRACE & BITS

You'll want a generous assortment of drill bits to go with this handy, sturdily made brace. Here's a combination that's hard to beat.

ADJUSTABLE END WRENCH

Made of the finest tool steel, this six inch adjustable end wrench is a star in any tool kit. You'll appreciate its versatility in thousands of instances. 85c

STRONG DEPENDABLE SCREW DRIVERS

At the top of the list in every tool kit is the "screw driver". And here's a dandy model by STANLEY that is both high in quality and low in price. Make this a "must" on your shopping list.

25c

BRACE $1.75

BITS ..... 15c AND UP

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