

Washing Wheat to Remove Smut

Single or Double Cylinder Device Is Favored for Treatment.

(Prepared by the United States Department of Agriculture.)

Washing smutty wheat with a single or a double cylinder washer, is recommended for removing smut from wheat for commercial purposes, domestic shipments, and export, by the United States Department of Agriculture following experiments made by grain marketing specialists of the bureau of agricultural economies.

Advantages of Removing Smut.

Removing smut from wheat at an early stage in the handling of the wheat after threshing, the specialists say, avoids the complications that frequently arise in connection with docking and discounting for presence of smut, eliminates at the earliest possible moment the extra handling and special binning required for smutty wheat, prevents clean wheat from becoming contaminated at places where smutty wheat is handled, and prevents an increase in the smut dosage resulting from the handling that smutty wheat receives in transportation and in elevators.

Stinking smut is found to some extent wherever wheat is grown in the United States, but is especially prevalent in the wheat-producing sections of the Pacific coast, where dry farming is practiced. Wheat must be thoroughly cleaned of all smut before it is milled into flour, inasmuch as any attempt to mill smutty wheat without removing the smut results in disagreeable odor and poor color in the flour produced.

Unsafe to Blend.

It is usually considered unsafe to blend even slightly smutty wheat with clean wheat in an attempt to "work off" some smutty wheat without cleaning it, because there is danger that the smutty wheat so blended will cause the whole mixture to be classified and graded as "smutty." The only safe procedure is to clean the wheat regardless of the quantity of smut it contains, and whether it is to be used directly for milling or is to be sold as wheat.

A publication on this subject, Circular No. 81-C, "Removing Smut from Pacific Northwest Wheat by Washing," has just been issued by the United States Department of Agriculture. While the supply lasts, copies may be obtained free by making request of the office of information, the department, Washington, D. C.

Low Temperatures Cause of Winter Wheat Losses

Low temperatures cause nearly as great losses to the winter wheat crop as all wheat diseases combined, says the United States Department of Agriculture.

Experiments were conducted by the department over a six-year period on the hardness of 11 varieties of winter wheat as compared with the standard variety Kharkof. The department found that Minhardi, Buffum No. 17, Minterki, and Odessa are considerably more cold resistant than Kharkof.

Buffum No. 17, Minhardi, and Odessa are soft wheat and are not commercially grown, but are useful to breeders. Minterki is a hard wheat and is grown commercially, particularly in Minnesota, Turkey (Min. No. 1488), Beloglina, Kanred, and Nebraska No. 60 also were found to be somewhat more hardy, and Nebraska No. 28 and Blackhall much less hardy than Kharkof.

Right Floor Space for Best Results of Flock

For best results, the flock should be limited to 20 or 30 birds, with two square feet of floor space allowed for each fowl. To prevent dirt and waste, feed troughs should be so built that the birds cannot walk in them.

Attention should be called to the fact that birds "off condition" or of low vitality cannot be fattened profitably. Before the birds are placed in the crates, they should be treated for lice. Clean, mite-free quarters are necessary to insure keen appetites, the keynote of successful fattening.

Well fattened birds are worth more a pound than range stock, due to the improved quality of their flesh. This increase in price, together with the increase in weight, makes it profitable to fatten surplus stock before selling.

Farm Notes

Nearly every garden crop may be advanced by the use of frames.

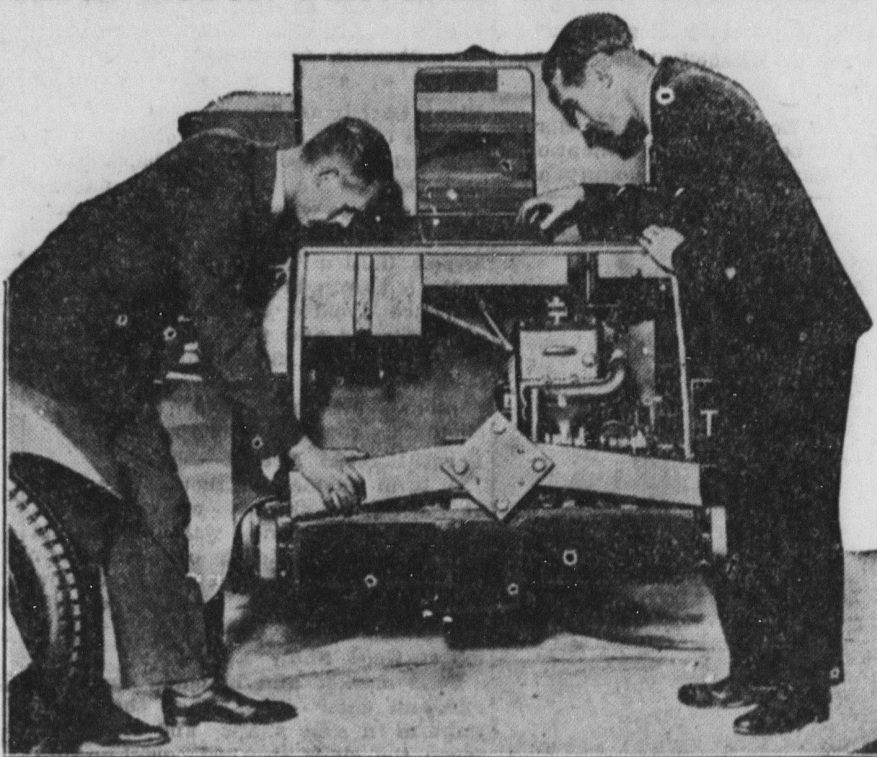
After a little practice in frame gardening you will see many combinations that will exactly suit your conditions.

On good land the catalpa is recommended for the production of posts, while on thin land the black locust is best.

Make yourself a present of a farm account book and in your New Year's resolutions include a plan to run the farm on business principles.

Our most expensive job of field terracing cost the owner less than \$5 per acre. Many fields can be adequately protected for a like amount or even less.

REAR MOTOR FEATURED IN LONDON SHOW



The placing of the engine at the rear of the new Trojan car caused a sensation at the gigantic motor show in Olympia, London's huge exhibition hall. Several other new features were introduced at the show.

ROAD BUILDING TO GET NEW IMPETUS

Highway Officials Make Plans in Line With President's Program.

(By James W. Brooks—Director, American Highway Educational Bureau.)

Impelled by forces now getting behind public work of every character, and especially under the leadership of President Hoover, plans are in the making for increased activity in road building as one of the most far-reaching and constructive agencies in national progress.

In preparation for this objective, and for the consideration of other matters concerning highway improvement, members of the American Association of State Highway Officials have just held their regular annual meeting at San Antonio, Texas. This body is composed exclusively of highway officials who represent every state in the Union, and who also co-operate closely with the federal government in the administration of federal aid. At this meeting, legislative and financial needs in highway work for the immediate future were discussed and a resolution was passed recommending to congress that the federal aid appropriation be increased to \$125,000,000.

Federal Aid Project.

In carrying on their part of the nation's work, highway officials are stressing the importance of completing the main federal aid project as originally planned. This plan, it will be recalled, was to complete state and interstate routes first in order to save motor vehicle revenues from the drain of excessive repair costs where roads are not built sufficiently strong in the first instance to sustain heavy traffic.

As to the wisdom of proceeding with increased activity on the original program, those in highway leadership assert that they are in line with President Hoover's engineering views on such matters. These views were expressed in one of his pre-election speeches at St. Louis and again on his recent visit to Cincinnati and Louisville in connection with waterway improvement. Tersely stated, it was the President's expressed judgment that trunk line waterways should be improved first, and highway officials in their recent conferences at San Antonio have again attested to the soundness of that principle as a means of conserving and making the safest possible use of highway construction capital.

Use of Highways.

Taking the country as a whole, the use of public highways is increasing at an amazing rate, likewise motor vehicle operating waste is increasing where highways have not yet been brought up to modern standards in construction. This situation may be taken as a lesson that not only should there be no let up in road building, especially on routes that are heavily traveled, but that public work of this character should be intensified. It may be taken also as a reminder that there should be no evasion of the obligation due to motorists who have acquiesced in gasoline tax levies in the various states upon the assurance that the main traffic channels of the country would be pressed to completion as early as possible and thus take care of between 75 and 85 per cent of the country's traffic before attempting to stretch the federal aid principle beyond its present scope.

Carbon May Be Present

Use of high volatility, antiknocking gas may remove the noise traditionally associated with the presence of carbon in the engine, but it does not always mean that carbon is absent. Particularly after a winter of frequent choke use, there is likely to be carbon even if it is not causing the familiar old knock. It should be removed if inspection reveals an excess. Why not test the valve springs at the same time?

The Motor Quiz

How Many Can You Answer?

- Q. Why should tires be changed from one wheel to another?

Ans. More mileage can be obtained from them if this is done. Tires that are run in the same position continuously develop wear peculiar to that position and if changed about wear is distributed.
- Q. Why should the dust that collects on the headlight lenses be removed?

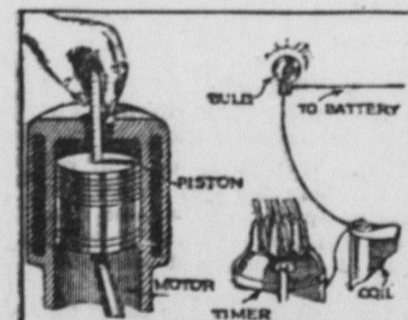
Ans. To improve illumination.
- Q. What other effect, aside from safety, results from the brakes being kept in good condition?

Ans. Conservation of the driver's energy.
- Q. What will be the result if spark plugs are insecurely installed in the cylinder?

Ans. Leakage of hot gases between the plug and cylinder threads will occur, causing the plug to run too hot, resulting in loss of power.

Spark Time Indicator Is Very Useful Device

It is difficult to locate the exact point at which the contacts in the timer break and thereby cause the spark in the cylinder. You can, however, wire an electric light bulb, as shown, to get an absolute indication of the exact moment when the contact breaks. One terminal of the bulb is wired directly to the battery and the other to the terminal of the coil that is connected to the timer. When the contacts are closed the bulb will light.



When the Timer Contacts Are Closed, the Bulb Lights; When They Break, the Light Goes Out.

When the contacts break, the bulb will go out.

This method of timing or checking the ignition system is one which will be found helpful not only to the garage mechanic but to the motorist who works on his own car in his spare time. It does away with guesswork, and because of its simplicity of operation saves considerable time on the job.—Popular Science Monthly.

AUTOMOBILE HINTS

More autos are abused out than worn out.

The International automobile classic is scheduled for Daytona Beach March 1 to 15, 1930.

He who never looks at his tires when they are inflated wonders what caused the blowout.

There are enough autos in the United States for everybody to ride at once, and the pedestrians would be safer if they did.

Fire prevention beats fire protection. Tire inspection beats changing the darn things on a cold day on the highway.

Fairy Story: "Oh, fudge!" said the pettish driver of the ten-ton sand truck as its rear axle collapsed and dropped to the pavement with a bang.

The stop light should be in good working order at all times. The operator in the car in the rear watches this more than he does arm signals.

When your auto is traveling 40 miles an hour it covers about 60 feet in a second. This means that if it hits something, something is going to be smashed.

Community Building

Builder Must Remember Years May Bring Change

Land is said to be developed to its highest and best use when the structure on it produces a larger return than any other building would produce, but it should be noted that this return must have a reasonable persistence. In other words, in the case of a home site, the owner should assure himself that the house he is building on it will return the satisfaction and enjoyment described above for a good long period of time.

Land that is developed today with a home of exactly the right type may fall in the path of a city's industrial progress, and, as this encroachment closes around it, the home becomes less and less the best structure for the plot and its value as a homestead decreases. At the same time, with the change in the character of the neighborhood, the amount of satisfaction and enjoyment secured from the home is decreased until perhaps the location becomes unbearable, when all satisfaction and enjoyment disappears. Of course, the loss of value in such a property as a homestead may be offset eventually by an increase in value for an industrial or commercial site, but this rise in value does not usually come about at once. There is a period of transition, when the neighborhood is declining as a residential site and yet has not yet ripened to maturity as a commercial area. Moreover many people who establish permanent homes do not like to see such changes even if they bring about higher values, nor do they like to move out of districts that have become home to them.

All Conveniences for Maryland "Model City"

A model city embracing all the latest ideas of community centers will be built by the Davison Chemical company on a site embracing 400 acres, near its plant at Curtis Bay, Maryland.

Central heating and refrigeration plants will be operated by the company, enabling residents to have modern conveniences. The city will be known as Davison. A harmonious plan of architecture is to be employed so that groups of houses will not be definitely unlike and yet not lack individuality.

In the center of the model town a community quadrangle is to be built for stores, shops and a moving picture theater or hall. It will be surrounded by a broad space where autos can park without charge.

One corner of the development will be used for a park which will include tennis courts, a baseball diamond and a football field. Hills and level land stretching southward will prove ample for building a golf links if desired. At the opposite end space will be reserved for a school and churches.

Encourage Tree Planting

Property owners are to be encouraged to plant more shade trees, and garden club directors have outlined a manner of planting by which the appearance of property may be enhanced, and by which certain characteristics as between adjoining properties may be preserved. The recommendation is to trees especially suited for the local climate and soil should be valuable, indeed.

The plan to encourage tree planting in the parking strips of vacant lots is also well worth while, and helps to round out a program which should mean much in adding to the city's natural beauty.—Bend (Ore.) Tribune.

Consider Improvements

Now is the time to think about improving your home. Is your home new or out of date? Is it comfortable and convenient, or lacking in some of the things that make life sweeter?

If your answer shows that equipment is needed, then you should join the home modernizing movement.

You should devote your thought and efforts toward making the home a more pleasant place in which to live. There is no need to delay. You can start now as well as later. And the sooner you begin your plans, the sooner you will enjoy the delights of a modern, well-appointed home.

Trees Along Highway

The new state highway department should make some arrangements with the land owners along the many highways of the state to beautify these driveways by planting roses and other beautifying flowers, and pecan trees along its edge. Let these trees overlap the highway and the public can gather the nuts that fall in the road. The land owners could donate the land and the state the trees. Let's have the beautiful as we go along. It is just as easy as having things that are not pleasing to the eye.—Centerville (Ore.) Press.

Careful Lawn Planting

Great care should be taken that one does not overdo the planting on his lawn in his zeal to make it attractive. Spotty lawn planting should always be avoided. Shrubbery should be massed effectively as border, screen and division and foundation planting; some evergreens should always be included; they are beautiful in themselves, and add a zest to the winter landscape that nothing else can equal.

And the Engineer Said?

Six truckloads of garbage were halted at the city incinerator at Sacramento, Calif., and the contents spread upon the floor, while workers searched among potato peelings and whatnot for a wrist watch that a housewife frantically informed them she had lost in the family garbage can. After an hour of vain searching, the city engineer telephoned the woman about the failure of his force to find the watch. "Never mind," she said, "I found it on the window sill."

Not Unusual

"Yesterday I saw a pianist in the music hall who played with his toes."
"That is nothing. My six-month-old baby does that in his sleep."—Nebelspalter, Zurich.

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Read this: Hagerstown, Md.—"I was taking care of a sick relative, and through overwork and loss of sleep I had a nervous breakdown, was not able to sleep, would be slightly and restless the whole night through. I got so weak that I could scarcely walk across the floor, could not do anything. I finally started taking the 'Prescription' and it restored my nerves and completely built me up in health. Dr. Pierce's medicines are reliable and good."
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Married Woman's Name

Actually there is no federal nor, so far as we can ascertain, state law which arbitrarily compels a woman to bear her husband's surname unless she wishes to do so. Recently the United States controller issued an order that married women in the government employ should sign their husband's surname when signing the pay roll.—Washington Star.

So There You Are

"If you put wedding cake under your pillow you'll have a dream."
"And if you put it under your belt you'll also have a dream—a bad one."



Needless Pain!

Some folks take pain for granted.

They let a cold "run its course."

They wait for their headaches to "wear off."

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W. N. U., BALTIMORE, NO. 1-1930.

That Exception

"There is nothing to be said in defense of practicing the violin until two o'clock in the morning," remarked a magistrate. Except, of course, that the player is steadily wearing the instrument out.—Humorist.

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The Rude Rich

Now and then you meet a rich man so rude that he must have been born with a gold knife in his mouth.—Life.