

LOSSES IN LOADING GRAPES

Containers Should Be Strong and Packed End to End—Climax Baskets Recommended.

(Prepared by the United States Department of Agriculture.)

Extensive investigations conducted by the United States department of agriculture show that the crushing of grapes in a car in transit is governed by the type and strength of the package, the manner and care used in loading, the height of the load, the construction of the car and the handling it receives from the railroad. Twelve-quart Climax baskets and trays are recommended because they properly protect the fruit; they are not too costly; they are suitable, attractive and available for most markets.

When Climax baskets are used for loading grapes they should be well made, of good wood, with veneer cut 17 to the inch as a maximum thickness for the 12-quart size, and 20 to the inch for 4 and 2-quart sizes. Wooden handles permit a firmer load than wire handles as they strengthen the baskets and serve as braces in the load.

Experience demonstrates that the best results occur when Climax baskets of 12-quart size are loaded 7 high, the 4-quart size 12 high, and the 2-quart size 15 high. All other packages should be loaded to the height of not less than 48 inches or more than 60 inches from the bottom of the first layer.

Bushel baskets, hampers and miscellaneous boxes are not satisfactory packages for grapes as they cannot be loaded safely with economy. All types of grape packages carry best when loaded according to the "straight system," that is, with all packages end to end, extending from one ice bunker to the other. In every other layer of Climax baskets, it is necessary to load

METHODS OUTLINED TO MAKE CORDWOOD

Common Plan Is to Cut Trees Into Four-Foot Lengths.

Sawing Is Usually Done by Machines, Driven by Gasoline or Electricity—Small Pieces Can Be Packed Closely.

(Prepared by the United States Department of Agriculture.)

The most common method of making cordwood is to cut the trees into four-foot lengths with the ax and split the larger pieces. The pieces are then piled in a standard cord, which is eight feet long, four feet high, and four feet wide. The contents are 128 cubic feet, of which about 70 per cent is wood and 30 per cent air. Wood cut four feet long can be sold to brick-yards, lime kilns, metal working plants, and other industries, but is too large for household use. This



Wood Piled Ready for Splitting.

method is used chiefly where the tree growth is comparatively small, as in second growth, because such wood splits easily.

Another method, and one better adapted for old growth hard woods, which are difficult to split, is to saw the tree into logs of convenient lengths, say from 10 to 15 feet. These are "snaked" out to the edge of the woodland and there sawed and split into lengths proper for the stove or furnace. The sawing is usually done by machine, driven either by gasoline or by electricity. The wood is piled four feet high and eight feet long, such a pile being called a "stove wood" or "running" cord or "run." When the wood is sawed into 16-inch lengths, as is customary with stove material, three runs are theoretically equivalent to one cord. Actually they contain somewhat more wood, since small pieces can be packed more closely than larger ones.

BEST STORAGE OF POTATOES

Growers Are Urged to Take Safeguards to Prevent Loss of This Important Crop.

(Prepared by the United States Department of Agriculture.)

Proper storage of potatoes would prevent much of the annual loss in this important food crop. Inexperienced growers especially are urged to take safeguards against spoilage.

Potatoes should be stored in a cool, dark cellar or be buried in a pit in the garden. They must not be allowed to freeze. If they are buried in pits the potatoes must be covered sufficiently to keep out all frost. If exposed to the light they will turn green.

A good method of storing potatoes is to place them in barrels with a few holes cut in the sides near the bottom for ventilation. Cover the barrels with old sacks and place them in a cool, dark part of the cellar.

HELP COAL SHORTAGE

(Prepared by the United States Department of Agriculture.)

Munition plants cannot burn wood, warships cannot burn it, nor, because of the transportation problem, can people living in cities. It is up to the farmers and people living in villages and small towns to use all the wood they can and help meet the coal shortage.

Cholera Serum.

More anti-hog-cholera serum was manufactured last year than in any previous year, despite a decrease in the amount of hog cholera.

Better Storage of Grain.

Grain that contains a large per cent of foreign matter will keep better if it is cleaned before being stored away.

Feed as much of the produce as possible and return the manure to the land.

SUPPLY OF ICE OF IMPORTANCE

Cost of Harvesting and Storing Not Great Compared to Comfort It Brings.

PATRIOTIC DUTY OF FARMER

Will Help Relieve Drain on City Supply and on Transportation—Affords Protection for Many Perishable Products.

(Prepared by the United States Department of Agriculture.)

Every farmer who can put up natural ice should plan to do so this winter as a patriotic duty. Each farm ice house will help relieve the drain on the city supply and on transportation, and will guarantee protection for the dairy products and other perishables from the farm when warm weather comes again.

Save Fuel Supply. These war times make heavy demands upon the fuel supply of the country and, paradoxical as it may seem, it takes fuel to produce artificial ice, while natural ice may be harvested at a time when farm work is not pressing and both man and horse labor are not otherwise profitably employed.

Ice is one of those luxuries which in many sections of the country can be had for the gathering. The cost of harvesting and storing it is not great as compared with the comfort that it brings.

Important in Country. An ample supply of ice is of greater economic importance in the country home than in the city residence. City



Farmer's Ice House With Milk Room.

people can purchase perishable supplies as needed, but the remoteness of country homes from markets often renders it necessary to use canned, corned, or smoked meat products during the season of the year when the table should be supplied with fresh meats. Not only is the use of ice important in the preservation of fresh meats, butter, and other table supplies, but the production of high-grade domestic dairy products is almost impossible without it. Many markets to which milk is now shipped demand that it be cooled before shipment to a degree not attainable without the use of ice.

HELPS WIN WAR

(Prepared by the United States Department of Agriculture.)

The man who would like to burn coal because it is easier and handier, but who thinks enough of his country and the boys "over there" to shoulder his ax, brave the winter wind, and go out and cut wood in order to save coal, is helping to win the war.

GOOD TIME TO DRAIN PONDS

Of Great Importance That Road Ditches Be Kept Clear and in Good Shape at All Times.

When the farm lands are too wet for cultivation, it will be an ideal time to drain the ponds and keep the road ditches clear and in good shape. To fail to keep the roads in good shape will be failing to move the crops to the market.

Benefits of Fall Plowing.

Fall plowing disturbs many insects and weed seeds in the garden, consequently they do not come back next season. As a rule the land can be used earlier if fall plowed.

Scaly Leg.

Order Prevents Losses. If anything were put exactly where it belongs each time it is handled, much loss of time and material would be prevented every year.

Rape for Hogs.

Dwarf Essex rape makes fine hog pasture.



The Farmer Receives More Than Five Thousand Dollars a Minute From Swift & Company

This amount is paid to the farmer for live stock, by Swift & Company alone, during the trading hours of every business day.

All this money is paid to the farmer through the open market in competition with large and small packers, shippers, speculators and dealers.

The farmer, feeder, or shipper receives every cent of this money (\$300,000 an hour, nearly \$2,000,000 a day, \$11,500,000 a week) in cash, on the spot, as soon as the stock he has just sold is weighed up.

Some of the money paid to the farmer during a single day comes back to the company in a month from sale of products; much does not come back for sixty or ninety days or more. But the next day Swift & Company, to meet the demands made by its customers, must pay out another \$2,000,000 or so, and at the present high price levels keeps over \$250,000,000 continuously tied up in goods on the way to market and in bills owed to the company.

This gives an idea of the volume of the Swift & Company business and the requirements of financing it. Only by doing a large business can this company turn live stock into meat and by-products at the lowest possible cost, prevent waste, operate refrigerator cars, distribute to retailers in all parts of the country—and be recompensed with a profit of only a fraction of a cent a pound—a profit too small to have any noticeable effect on the price of meat or live stock.

Swift & Company, U. S. A.



Delicious Grapes.

those that touch the bulkhead crosswise in the car in order to fill in the otherwise vacant spaces, but this should not be permitted anywhere else in the load. All slack should be taken out as the baskets are being loaded, using racks to fill out at the end of the car when there is surplus space. Every fraction of an inch of surplus space from side to side of the car should be tightly filled in by loading the last row diagonally.

Your Eyes

Granulated Eyelids. Eyes inflamed by exposure to Sun, Dust and Wind quickly relieved by Merline Eye Remedy. No Smarting, just Eye Comfort. At Your Druggists or by mail 60¢ per Bottle. For Book of the Eye free write Merline Eye Remedy Co., Chicago.

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P. N. U. No. 51, 1918

It Works! Try It
Tells how to loosen a sore, tender corn so it lifts out without pain.

No humbug! Any corn, whether hard, soft or between the toes, will loosen right up and lift out without a particle of pain or soreness. This drug is called freezone and is a compound of ether discovered by a Cincinnati man. Ask at any drug store for a small bottle of freezone, which will cost but a trifle, but is sufficient to rid one's feet of every corn or callous.

Put a few drops directly upon any tender, aching corn or callous. Instantly the soreness disappears and shortly the corn or callous will loosen and can be lifted off with the fingers. This drug freezone doesn't eat out the corns or callouses but shrivels them without even irritating the surrounding skin.

Just think! No pain at all; no soreness or smarting when applying it or afterwards. If your druggist don't have freezone have him order it for you.—Adv.

You May Try Cuticura Free. Send today for free samples of Cuticura Soap and Ointment and learn how quickly they relieve itching, skin and scalp troubles. For free samples, address, "Cuticura, Dept. X, Boston." At druggists and by mail. Soap 25¢, Ointment 25¢ and 50¢.—Adv.

Compliment for Kathleen. Kathleen told some stories to a little niece and nephew. At a family dinner party grandpa referred to these same nursery tales, but not following the exact lines, when Margaret piped up: "No, no, grandpa, that is not the way Kathleen tells the stories and Kathleen is a good knower."

Skin Tortured Babies Sleep After Cuticura
Soap 25¢. Ointment 25¢ and 50¢.

Old Folk's Coughs
will be relieved promptly by Piso's. Stoa throat tickle; relieves irritation. The remedy tested by more than fifty years of use is

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