

What Happens To Corn Formerly Used To Make Whiskey?

Columbus, O.—Major T. P. Walker of the Commercial Solvents Company of Terre Haute, Ind., speaking before the American Chemical Society's annual meeting at Ohio State University, said 10,000,000 bushels of corn annually, quarter of the amount formerly made into spirituous liquors, now goes into lacquers.

Corn, cotton, sugar and milk, he brought out, are four of the most important industrial chemicals produced on the farm.

Corn crops, once converted into whiskey, still go into alcohol, but it is butyl and ethyl, for lacquer. Another corn lacquer product is acetone.

"More than fifty chemical products," he said, "are derived from the corn kernel. They include such things as table oil, soap and glycerine, rubber substitute, fertilizer, starch, corn syrup, tanner's sugar and vegetable glue.

"Eleven companies in the United States are engaged in manufacture of corn products such as starch, corn syrup, corn sugar and corn oil. About 85,000,000 bushels, one-third of the corn that reaches the primary market, is employed in this industry.

"It is estimated that the nine States in the corn belt yield enough stalks annually for 12,000,000 tons of paper. But it is probable that it would not prove economical to utilize them except in the most favorable location because of the cost of collecting and transporting such bulky material. Processes for chemical utilization of the corn cob have been worked out, but here, again, the problem of commercial oils, synthetic stearin, soaps and soap collecting comes in.

"Cottonseeds now produce refined powders, nitroglycerine, roofing paint, writing paper, celluloid, rayon, photographic film, sausage casings, nitrocellulose, smokeless powder, gun cotton, lacquers, artificial leather, toilet ware, furfural, carbohydrates and potato. The cotton plant is used in bleaching, dyeing, printing, waterproofing and incineration."

Kill Potato Bugs With Calcium Arsenate

Raleigh.—Calcium arsenate, the poison familiar to cotton growers, is the most economical and effective poison one can use to control the Colorado Potato Beetle or potato bug, as the pest is commonly known.

"Calcium arsenate may be used either as a dust or spray and in either case is effective," says C. H. Brannon, extension entomologist at State College. "When this poison is used, no other is needed, as calcium arsenate is absolutely effective and is the cheapest material that can be used. The applications should start

as soon as the beetles appear in numbers and should be continued just as often as they become numerous."

To apply the calcium arsenate, Mr. Brannon recommends the regular hand dusters used with cotton in the control of the boll weevil. These have given excellent results in tests made at the college. The plants need to be well-covered. There is little danger from burning but too much poison should not be used because of the waste.

If one prefers to use the arsenate as a spray, large amounts may be prepared by using two pounds to 50 gallons of water. Where only small amounts are wanted for the home Irish potato patch, 10 tablespoonsful to three gallons of water is the proper proportion. Growers should keep in mind however, that this application of calcium arsenate is for control of the beetles alone and will have no effect in controlling plant diseases.

If the potato bugs are left without molestation, they can destroy the potato plants in a short time. Growers who have tried calcium arsenate say that it has given excellent results.

Autos Cause 73 Deaths In The State In April

Raleigh.—Automobile accidents caused 73 deaths in North Carolina last month in comparison with 44 during April, 1928, according to the report issued by the motor vehicle bureau of the State Department of Revenue.

April fatalities brought the total number for the year to 196. The toll for the first three months, an average of 1.3 persons killed per day, was considerably below the April record which shows 2.3 persons killed in the State each day through automobile accidents.

In addition to those killed there were 369 injured. Nineteen pedestrians were killed and 41 injured, 20 deaths resulted from automobile collisions, one from a collision with a horse drawn vehicle, and ten from collision with trains. There were 19 deaths resulting from non-collision accidents, three from collisions from fixed objects, and one from a collision with a bicycle.

Ten deaths resulted from accidents caused by speeding, 30 from driving off the roadway, seven from passing on a curve or hill, seven from disregarding signals, and five from cutting in, these making up the majority of causes of fatal accidents.

Sixty-five of the cars involved in fatal accidents were in apparent good condition before the accident, the big majority on clear days and on dry roadways.

Wake County farmers received \$1.40 a bushel at shipping point as the final settlement of the nine cars of sweet potatoes sold recently. This netted them \$1.10 a bushel after all charges were paid.

Fuel Economy Is Feature Of New Whippet 6 Models

Although notable advancements have been made in the past few years in the development of four cylinder power plants which marked economy in fuel consumption without sacrificing power, speed or all-around performance, the higher compression engine employed in the Whippet Six strikes a new note of lower gasoline consumption for light sixes.

Throughout the past year while the new Whippet Six power plant was in the hands of Willys-Overland engineers undergoing strenuous tests in various sections of the country to bring it to its present point of engineering perfection, careful check was kept on its fuel consumption. In fact, many of the tests were made to accurately determine this.

The tests disclosed that, compared with its predecessor, the engine in the Superior Whippet Six showed a notably reduced consumption of fuel despite a materially improved speed and power development.

This decisive factor is attributed by Willys-Overland engineers to improvements incorporated in the Whippet Six engine, although the fundamental principles of its predecessor have in the main been retained.

It is pointed out that the improved Whippet Six engine has an increased compression ratio, this factor resulting in eleven percent increased horsepower and torque on a smaller amount of fuel than was formerly used.

It has been one of the chief aims of manufacturers of six cylinder cars to materially reduce fuel consumption, but it remained for Willys-Overland engineers to be the first to produce a six that compared favorably with the fuel consumption of the more efficient present day four cylinder car.

The most significant feature of Chevrolet's manufacturing performance during the first four months is the fact that during that limited period Chevrolet built more six cylinder cars than any other manufacturer has ever built in an entire year.

Co-incident with the announcement

of this latest Chevrolet production trucks achievement was the indication that in response to the greatest demand Chevrolet has ever known, May will see another all-time monthly record established. Tentative schedules arranged for the current month call for a May production of 160,000 cars and

Sixteen giant factories located at strategic points from coast to coast are now working with all the speed consistent with Chevrolet's manufacturing methods to accommodate the greatest Spring business in the history of the company.

You can't beat the pause that refreshes



There's the crack of a whip in the words of the captain as he urges his team into action: "Wake up! On your toes!" Yet the real thing that keeps up keen effort is not a whip but—the rest period. The moral is that in the routine of work as well as in the dash of play,



you can't beat the pause that refreshes. A refreshing pause requires a refreshing drink. Coca-Cola, delicious and refreshing, stands out above all other beverages. Because people know its natural purity and wholesomeness are safeguarded by the highest standards of manufacture, its popularity grows year by year.

8 MILLION a day

Coca-Cola Bottling Works
Roxboro, N. C.

IT HAD TO BE GOOD TO GET WHERE IT IS

pick-up

is that quality in the new improved "Standard" Gasoline which fairly lifts your car... up and over the hills... past the dawdling traffic lines... pick-up is swift and certain with the improved "Standard," because it is a richer, more volatile gas.



ALTHOUGH the new improved "Standard" Gasoline is almost magical in this quality of quick pick-up, it is equally good on every other count in motor performance. With its range of boiling points carefully attuned, it fires swiftly, on the split-second. It is a powerful gas, too. Buckling to the heavy loads cheerfully and willingly. Climbing the long hills in a steady surge of increasing power that seldom makes you shift your gears. The improved "Standard" is a pure gasoline. Clean. White. It consumes completely. No danger from carbon or crank case dilution. Dependable in any situation—for any kind of car. "... it's the champion."



HERMAN SCHURCH who holds the North Carolina state record for dirt track speeding along with Ray Keech, famous racing driver, uses "Standard" improved Gasoline.

WHEN you fill up with the improved "Standard" Gasoline, you get something more than the best gasoline on the market. Everywhere at the big red "Standard" pumps you will find "service with a smile."



QUICK PICK-UP calls for an increased ratio of gas to air, suddenly sucked through the carburetor into the firing chamber. It is at this crucial moment when acceleration must be instant, swift, and flexible that the improved "Standard" proves itself.

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Good condition. Sale price \$325.00.
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Has new tires and battery, new paint job. Sale price—\$165.00.
- FORD TOURING
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You can have perfect confidence in your purchase of a used car that has attached to its radiator cap the Chevrolet red "O. K. that Counts" tag. This tag, used exclusively by Chevrolet dealers, is attached only to cars that have been thoroughly reconditioned and checked "O. K." by expert Chevrolet mechanics. To thousands of satisfied used car buyers it has proved a sign of outstanding quality and value. We now have on hand a wide selection of these fine "O. K." used cars—priced for quick sale. Come in today.

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