

High Population In Corn Fields Gain Popularity

Modified storage harvesting machines are needed to handle heavy growths of thickly planted corn. Two-year tests show at

the Pennsylvania State University

The tests were described recently at the annual meeting of the American Society of Agricultural Engineers in Washington, D. C. Engineer William L. Kjølgaard, of Penn State's Agricultural Experiment Station, said high field losses & generally poor operation were typical of conventional machines harvesting storage corn drilled at 50,000 to 100,000 plants per acre.

Conventional machines are designed to harvest corn silage planted in rows, usually at 20,000 plants per acre. He pointed out Modified harvesters will be needed, he advised as increasing numbers of farmers raise thick stands of corn for forage.

Last year was a particularly good growing season on the trial plots. Kjølgaard stated in a season when rainfall is not so favorable and corn is shorter, the harvesting machines might perform somewhat better, he contended.

Farmers are interested in growing corn for forage at high per acre populations, he said because of promising heavy yields. However, harvesting machines tended to leave much of the crop on the land in trials. In some cases they clogged repeatedly and gathered only half to three fourths of the crop.

High corn plant populations were obtained by planting with

Clean Plugs Can Cut Costs

If you're doing any maintenance work on your tractor engine you probably include cleaning and regapping of the spark plugs as a 100 to 125 hour "must".

Here are a couple of pointers from agriculture engineers with regard to that all-

important spark plug gap adjustment. Beware of a plug that requires much bending of the ground electrode to restore the proper gap setting... Chances are, an excessively wide gap is a good indication the plug is due for replacement. If the gap is more than .007 inch over specifications, and has been in use for less than 100 hours, the trouble may be due to excessive electrode erosion, a result of using plugs that are too "hot" for the engine, or from overadvanced ignition timing. This trouble also could be caused by an improper gap setting at the time the plugs were originally installed. Too wide a gap setting at the electrodes may cause a miss while the engine is under load. If the electrodes are spaced

too closely together, you may encounter a miss at idle, or uneven power output at all engine speeds. Also, you may have difficulty maintaining the proper carburetor adjustment.

A final word from the engineers... Make sure you use a file to restore sharp edges to the sparking surfaces of the electrodes. Spark plugs which have been cleaned and their electrodes filed require considerably less sparking voltage than plugs which are simply cleaned and reinstalled in the engine without filing of the electrodes.

Enforce the rule of no extra riders on farm machinery. Small children are often injured by machinery in drive-ways and work areas. Keep them out of these areas unless closely supervised.



24-HOUR SERVICE!

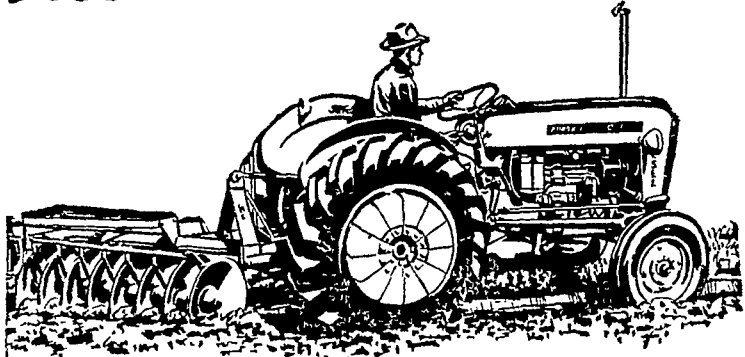
We get there fast if you have burner trouble. We'll adjust your burner for economical operation—complete combustion.

GARBER OIL CO.

MOUNT JOY, PA.

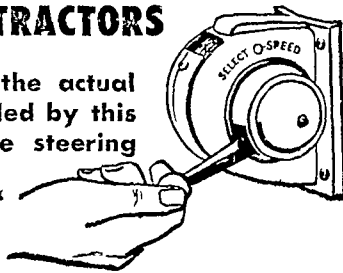
Ph. OL 3-2021
105 Fairview St.

YOU DON'T NEED A CLUTCH— JUST A LIGHT FINGER TOUCH!



FORD SELECT-O-SPEED ALL-PURPOSE DIESEL TRACTORS

Hydraulic power does the actual shifting, but it's controlled by this handy lever under the steering wheel.



Now, for the first time, you can shift on-the-go to any speed you want, any power you need, by a simple touch of your finger! Ford Select-O-Speed All-Purpose Diesel Tractors give finger-tip, clutchless shifting to any of 10 forward and 2 reverse speeds so you can match rugged diesel pull-power and speed exactly, instantly, to changing field conditions. And with Ford's new independent PTO, you engage or disengage the PTO shaft on-the-go, at any time. Come in and test drive a Ford Select-O-Speed All-Purpose Diesel Tractor today—see what it can do for you!



Grimm's Ford Tractor & Farm Service
Park Ave., Quarryville
Ph. S1 6-2597

Allen H. Matz
Phone AN 7-6502
Denver

Elizabethtown Farmers Supply, Inc.

Elizabethtown
Phone EM 7-1341

Keener Equip. Co.
Rts. 230 & 72, Lancaster
Phone LO 9-9861

Sauder Bros.
New Holland
Phone PL 4-8721

K-137 KimberCHIKS...

10¢ to 34¢ MORE NET INCOME THAN OTHER MAJOR EGG STRAINS*

(35¢ more than average entry in 15 tests)

*Based on final reports in 1959-60 Random Sample Tests in Ariz., B.C., Calif., Fla., Ia., Minn., Mo., C.N.Y., W.N.Y., N.C., Pa., Tenn., Tex., Utah, and Wisc.

In the three 1959-60 tests in which the new K-155 Kimberchik was entered, it equalled the well-known K-137 in net income.

Longenecker's Hatchery

ELIZABETHTOWN, PA.

EMpire 7-1545

COWS PROPERLY CONDITIONED ... during the dry period PRODUCE UP TO 25% MORE MILK!



BEFORE CALVING This cow was fitted on the Pioneer program for 60 days before calving. Note the excellent "dry cow" body condition.



AFTER COMPLETING RECORD The same cow after having produced 23,044 lbs. of milk and 941 lbs. of fat as a 4 year old. Note the extreme dairyness and exceptional body condition shown after this cow produced 1 1/2 tons of milk!

600 pounds of PIONEER DRY and FRESHENING yields an extra TON OF MILK!

Proper feeding of the dry cow is the most important single factor affecting herd health, longevity, and a sustained high level of milk production. In 60 days, while the cow is dry, Pioneer Dry and Freshening feed will repair the body from the previous lactation, build a reserve of body condition for the next lactation, and develop a stronger calf. In addition your cows will have less calving difficulties, eliminate placenta quickly, have less udder congestion, and most importantly they will produce up to 25% more milk!

See us today for full particulars.

Joseph M. Good & Sons

LEOLA — QUARRYVILLE

