PUC Withdraws Dog Training Charge Against County Trucker

The Public Utilities Comfully cutting rates.

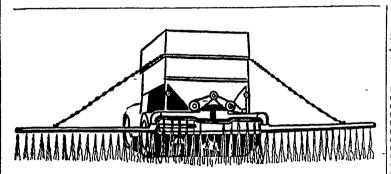
The commission said the complaint had been filed by Trucking Association against Oliver H. Sensenig.

charging rates at variance mit fox hunting with dogs. with his tariffs.

Season Closed

Sportsmen who own hunting Extension dogs were reminded today by the Pennsylvania Game Commission Tuesday withdrew a mission that the season for freight rates on nay, scheduled complaint charging a Lancaster field training closes at mid- to end on March 31, have been County trucker with unlaw- night, March 31 The closed extended by eastern railroads

T F Bell, Chief of Law Enthe Lancaster County Livestock forcement for the Commission, said the closed season is desigbirds and animals. He stated 50-foot car as a means for mak-The complaint was with the law prohibits the owner of ing more freight cars available drawn, the PUC said, after Sen- any dog to permit it to chase at the reduced rates. senig had adjusted his charges or trail any wild bird or animal to conform with those prevail- during the four-month closed ing at Lancaster Union Stock season. The only exceptions are office, conformed to special re-Yards. Earlier, the PUC had made in certain counties where quests by the State Department fined Sensenig \$1 000 for petitions have been filed to per- of Agriculture on behalf of



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Eastern States Farmers' Exchange

Railroads OK 2.775___ **Reduced Rate**

HARRISBURG - Reduced season extends from April 1 to to April 30, State Agriculture Secretary Leland II. Bull said

Secretary Bull stated, carries

Action by the iailroads, announced at then New York farmers in 55 counties that have been on drought disaster mer's long dry spell.

Forest Exhibit At Quarryville

urged to see the exhibit now on display in the window of the acres of our Nation's timber-Quarryville TV store on State Street in Quarryville

The treme of the exhibit is Tree Farming and it tells how The one-month extension, land owners who are practicing woodland management can gain recognition by having ned to protect nesting game tute two 40-foot cars for one their forested acres certified as a Tree Farm. By definition, a Tree Farm is an area of privately owned tax paying land Appel, Paradise dedicated to the production of repeated crops of forest products

sponsored nationally by Ameri- the "double six" herringbone can Forest Products Industries, status as a result of last sum- on many of the state's dairy and livestock farms, and that its can be better operated by Secretary Bull said hay a month's extension of the rate freight shipments under the re- concession will be an added duced rate arrangement have help in carrying them nearer easing acute shortages to the spring pasture season.

Inc, and here in Pennsylvania by the Pennsylvania Forest Industries Committee and the purpose of the program is to Area woodland owners are promote wise use of our woodlands Today over 60 million lands are certified Tree Farms and numbered among them are the following landowners in Lancaster County

Joseph S Cutler, Drumore; Paul H Rhoads, Harrisburg; Cliftoid J Backstrand, Lancaster, Forest Preston II, Oxford; John D Kendig and Clarence S Eitnier, Manheim, Conrad

Solanco YFA

(Continued from Page 1) The Tree Farm movement is were particularly interested in milking parlor Fiy said one man can do the milking in the parlor, but the six milking untwo men

> At Winternall Farms, about two miles away, manager Richard Sutton explained the breeding and management program for the 85 purebred Holstein cows milked in a stanchion barn with a pipeline milker One of the attractions on the farm was a three year old "Excellent" Holstein bull which Sutton is using as a herd sire The farm recently sold a young bull to a New York breeding cooperative for \$12,000

The tour was arranged by Amos Rutt, Quarryville R2, tour chairman, and William Fredd, teacher of vocational agriculture and advisor of the Solanco Young Farmers Chap-

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A RESEARCH MAN LOOKS AT SINGLE CROSS HYBRIDS

By Dr. Wayne Whitehead

P-A-G Research Associate and Consultant-Plant Genetics

Does research evidence justify the continued switch, of better farmers, to more single cross acreage? Too much is at stake to plant single crosses just because they are piettier Nor is a person likely to get taken in the second time if the product is no better even though it may carry the single cross label. Calculating the odds in faiming is not gambling. It is part of the reasoning process of sound business Experience and evidence determine the best odds against the environmental, unknowns every

seed coin is chosen, or a cul-|1960-61 Av. 41 locations . . . tural operation is performed Experience and evidence support single crosses now more than ever before.

Have single crosses actually comparisons? Are they anymore variable from year to year? Do the broader gene base regular tour-way hybrids provide any gleater insurance against the environment? Is length of pollen shedding time of concern? Are single crosses these are valid questions, most of them originated long ago They should be re-examined in light of present knowledge

The most extensive single cross results are available from the last few years of research testing. Wide differences exist between single crosses, as they do with other hybrids Highly selected single crosses and special crosses have generally outyielded regular hybrids of similar maturity.

For example, in widely scattered P-A-G replicated research locations, all single crosses outyielded regular hybrids as follows:

East Central Research Area (Ill., Ind., Ohio, Pa.)

West Central Research Area (Iowa, Neb, Mo, Kan) 1961 Av. 21 locations

versity Trials showed similar (1008 are forthcoming from differences in magnitude For un resisties and private comexample, in Purdue University puries which have more nai-3-vear averages, single crosses outyielded regular hybrids by 78 bushels even though some too new to risk? Although of the newer single closses other cereals, soighums and were not included

> All single closses compared with all four-way hybrics do not tell the whole story. The tiends are all in the same direction however Highly selected P-A-G SX's gave more favorable performance trends than the average of all single CI OSSES

What about the variability? The averages over many locations and years give a good indication. If single crosses were more variable, they should average out similar to the fourways They did not. In all groups of comparisons, they averaged higher. A more scientific comparison, the coefficient lination be spread out as long of variation of 19 scattered lo- as possible? Considerable diftime a plant nonulation a fer1961 Av. 19 docations live . . of variation of 19 scattered lotilizer, or fertilizer rate, or
11.4 bu cations over four states showed ference exists between length

Does a wider gene base such as found in four-way hybrids give greater protection against the environmental unknowns? First, what is meant by wide or narrow gene base? Many genetic types are present within a bload gene base variety whereas, all plants are t'e same, or more nearly the some in a nairow gene ba e variety

In addition to regular fourway hybrids and open-pollinat-9.4 bu. ed coins, a faltas, sind other Have single crosses actually performed better in replicated performed better in replicated comparisons? Are they anymore variable from year to P-A-G, competitive, and the comparison of the competitive, and the competitive, and the competitive and 13w gene bases than anything this leason all P-A-G special developed heretofore

> Soybeans, wheat, oats and single closs coin have nallow gene bases Not enough practical evidence has been found for this rather academic question to recommend variety mixtures or to change the narlow gene base clops where possible Sorghums meichandised in the Great Plains by all the industry are single crosses even though available moisture fluctuates widely from year to year.

With other crops then, nairow gene bases have not been considered a serious handicap With coin the pollen does have to travel from the tassel to the ear. Should the period of nol-

about 15 per cent variation for of posten shed between differboth four-way and single ent singles and different foacrosses Selected single closses way hybrids All types of h,were no more variable in vield brids produce much miore than regular hybrids In fact, pollen than ever reeded Selsome four-way hybrids were dom have seed set problems riore variable than some single ever been related to spread in pollination prized or rack of pollen in corn Severtheless all P-A-G hype to are carefully screened is many environments

> A c single crosses so new that something unexpected may I le 'The idea of the single cross was conceived before that of the four-way hybrid Fourway hybrids were resorted to in the early days before highly vigorous inbied lines were found and betore production technology reached its present stage The plant breeder has single crosses to produce fourways Many differences exist between single crosses and for crosses are widely tested.

Greater differences probably exist between hybrids than most realize The morphological differences that we see may be insignificant yieldwise Inside the plant are large anatomical differences. The most important differences probably are the physiological differences or the ones relating to biological efficiency in synthesis, water usage, mineral uptake and carbohydrate storage A farmer should be concerned with the total amount of starch storage, or yield from an acre

Now, let's be honest Does research evidence justify the accelerated trend to more single cross acreage" Obviously, yes! * 1 * 1 *