THE NORTHWEST MONTHLY

SCHOOL PURCHASES

DIESEL TRACTOR

The Northwest School and Experiment Station has purchased a 35 H.P. Diesel caterpillar tractor to supplement the laboratory work in gas motors and tractors. Beginning with the fall term, practical work with the Diesel motor will be offered to students specializing in agricultural engineering.

Other courses that will be offered in this department include farm mechanics, blacksmithing, carpentry, field machinery and mechanical drawing.

A. M. Foker

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Among the agronomy plots, greatest interest centered in the comprehensive trials of sweet clover as a soil improvement crop. Professor Dunham explained that this investigation was begun in 1933 with a preliminary study of the effect of methods of sowing on the yield and root and top development of sweet clover and has been greatly enlarged in its scope since that time. The plots this year show the marked effects of complete and partial fallow in a year of deficient moisture. Wheat, oats, and barley look good, and a season of complete fallow are in best condition at this time and where following sweet clover that was plowed under in June last year and fallowed subsequently they look almost as good. Those crops following two years of wheat look worse. Fallow plots when not conserving moisture or controlled weeds as well as the complete fallow or the partial fallow following sweet clover plowed under.

Trials of various forage crops showed best stands of sweet clover, alfalfa, brome and meadow fescue. Poor stands of crested wheat, slender wheat, red top and timothy resulted from sowings in 1935. Perennial rye grass and orchard grass winter killed almost completely. As an average of 7 years, 189 tons of hay from soybeans has been harvested.

The crop has frequently been frost before ready for hay and is a poor weed fighter even when cultivated. Of the annual forage crops, the large yield of digestible nutrients per acre was furnished last year by sorghum, the annual forage crops, the large yield of digestible nutrients per acre was furnished last year by sorghum, and the large yield of digestible nutrients per acre was furnished last year by sorghum, the annual forage crops, the large yield of digestible nutrients per acre was furnished last year by sorghum, and the large yield of digestible nutrients per acre was furnished last year by sorghum.