

Farm and Barn News and Views

By LeRoy Pulliam

In considering the tractors of the mid 1930's with current models, we should recognize that the earlier tractor was used primarily for belt work, to pull plows, discs, harrows or mounted cultivators and other miscellaneous implements. At that time, most farmers bought tractors simply to replace horses or mules.

The thinking of farmers has changed. The farmer today buys a tractor with various attachments by which he can mechanize many operations he previously had to do by hand.

One company cited farmer records which indicate that a farmer today can do approximately 20 per cent more work with the same horsepower tractor than he could in 1935 because of such improvements as hydraulic lifts, modern hitch devices, and power take-off facilities.

The power take-off in the early tractor days was used to operate only a few pieces of equipment. It was used to drive implements of low horsepower requirements, probably not more than 10 to 15 percent of the tractor power. The PTO on modern tractors has capacity to operate practically any implement within the horsepower range of the tractor.

Two developments since the 1930's aided appreciably in enabling the farmer to make greater use of the tractor PTO. One was the independent power take-off which aided flexibility and increased the usefulness of the tractor. This feature enables the operator to start or stop the forward motion of the tractor without affecting the flow of power to PTO driven implements. Likewise, the flow of power to the implement can be started or stopped without affecting the flow of power to the

Modern tractors, however, have drive wheels of the tractor. The other development pertains to the farm equipment industry's standardization of size, location, spline, and speed of the tractor PTO. This enabled implement manufacturers to design units to meet these "hook-up" specifications.

Hydraulic power devices on modern tractors have opened new avenues for labor saving on the farm. Although mechanical power lift devices for tractors were being used prior to the mid 1930's, manual control of farm implements was still commonplace in 1935. Labor-saving hydraulic systems which practically eliminate the wearisome manual control of farm implements.

Hydraulic power is also the heart of such modern tractor innovations as a power steering which removes rattle and strain, a major factor in tractor operation. It is quite possible that in the near future larger tractors will have clutches and brakes actuated by hydraulic power.

Endless are the many other features in the modern tractor which are labor-saving, time saving and life-saving. Only when you begin to compare the 1935 tractor with the 1957 tractor are you reminded of the great revolution that has taken place in tractor design and engineering.

In the past forty years, farm families have nearly tripled the output per farm worker. As was said recently by Dr. W. I. Myers, Dean of the College of Agriculture at Cornell University: "This great efficiency is due largely to mechanization, specialization and the application of science to agriculture. The most modern single factor is farm-power machinery which enables one man to till more acres . . ."

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4-H CLUB ACTIVITIES

By County Extension Agents

Summer School

Next week will be an exciting time for 59 4-H club members from Malheur county. This is the beginning of the annual 4-H summer school at Corvallis. This 10-day session at Oregon State College is the big event of the year in the 4-H club program.

According to Burton Hutton, state 4-H club leader, there will be about 2,000 4-H club members and leaders in attendance this year.

The summer school program is nicely balanced between work and play, and is arranged for a maximum in educational values and recreation. Classes in agriculture, home economics and sociology fill the morning, with afternoons devoted to a general assembly, supervised recreation and allied activities. Evening programs include entertainment and group activities in general assemblies and living groups.

One variation in the daily program will be a trip to the ocean on Sunday. This is a special side-trip which we organize for the Malheur county group.

Club members are housed in the dormitories, halls, and houses that are used by the regular college students during the college year.

All club members attending from this county are going on scholarships provided by sponsoring organizations. Some of these are scholarships awarded in county-wide competition while others are given by community organizations.

Range Management Camp

We have just received word that the annual range management camp is scheduled for July 29 to August 3. This is sponsored by the American Society for Range Management. The camp this year will be held at the Tupper guard camp in Morrow county.

According to George Russell, county chairman, there will be four scholarships for boys who would like to attend.

Any boy who is 14 or over is eligible to apply for one of these scholarships. Membership in 4-H or FFA is not required.

We will have more detailed information about this event later on.

4-H Enrollment

With all 4-H enrollments in now, we find that we have the largest enrollment in 4-H projects this year that we have ever had. We now have 121 clubs, with 1068 different members, and these members are carrying 1515 projects. Largest enrollment is in home economics projects, with agricultural projects next. Health and miscellaneous projects rate third.

And although Malheur is 17th in the state in population we are 9th in 4-H club enrollment. We rate 3rd in enrollment in dairy, fourth in beef and 10th in clothing.

Here and There

Over 100 4-H club members received training in livestock judging on two district livestock judging tours last week.

Club members from livestock clubs in the Ontario, Nyssa, Adrian areas visited farms in their

New Low-Sugar Pectin in Use

One of the major pectin companies is placing a low sugar pectin on the market in time for the summer preserving season. Mrs. Edna Mae Wimsatt, Malheur county home extension agent reported.

This pectin is designed for those persons who prefer a less sweet jam (or one with fewer calories). It makes a delicious jam without cooking and can be made as tart or as sweet as desired. It does not require freezing or refrigeration unless brought to a boil. Then it can be stored on a shelf indefinitely.

A satisfactory sugarless jelly can be made using the pectin and the liquid sweetener they are also promoting. Incidentally, other sweeteners will not do because they do not contain enough calcium to precipitate the pectin.

In OSC tests with the low-sugar pectin satisfactory frozen toppings for ice cream sundaes were developed. Frozen strawberries, raspberries, blackberries and cherries were used in the tests which show that after a year's storage at zero degrees Fahrenheit, the toppings had excellent consistency, flavor, color and storage.

The low-sugar pectin "sets" products with little or no sugar.

Pectin now in commercial use requires such products containing a minimum of 50 percent sugar.

Notices of farm allotments for the 1958 wheat crop were mailed Monday to farmers and a complete list is available for inspection at the county ASC office.

Mr. and Mrs. Maylin Maxfield, Viki and Bradley visited over Memorial day from Tuesday until Saturday with Mrs. Maxfield's relatives at Green River, Utah, and with his family at Emery, Utah.

Club members from the Vale area judged dairy classes at Lew Johnson's, beef at Kenneth Greenfields, sheep at Frank Hendricks, and swine at Lowell Harrod's.

Wheat Farmers To Vote June 20 On Allotments

Thursday, June 20, has been set as the date for wheat growers to vote on the 1958 crop wheat marketing quotas, according to the Malheur county ASC committee. Polling places will be set up throughout the county.

This is the fifth successive year quotas have been proclaimed in compliance with the law which requires quotas when the supply is 20 percent or more above normal. This year's supply is 56 percent above normal.

The county ASC committee said that at least two-thirds of the producers voting must approve quotas before they can be put into effect. If quotas are approved, growers will be eligible for price support on their entire production. Those who exceed their acreage allotments will be subject to penalties on their excess wheat if they have more than 15 acres for harvest, the ASC office explained.

July 1 is the deadline for accepting applications for new farm allotments for the 1958 crop. To be considered for an allotment on a farm which had no wheat for 1955 through 1957, the farmer must apply in writing to the county ASC committee.

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17 Boys, Girls Organize New 4-H Livestock Club

A new 4-H Livestock club was recently organized at a meeting of 17 boys and girls at the home of Lester Cleaver with Van Schulties named as president. Lester Cleaver and Lloyd Cleaver are club leaders and Truman Cleaver is junior leader.

Other officers are Truman Cleaver, vice president; Vaughn Schulties, secretary; Glenda Hoffman, song and yell leader and Mark Morton, news reporter. Other members are Harriett Cleaver, Gary Cleaver, Mark Stephen, Eddie Parker, Brian Cleaver, Brent

Schulties, Nita Niccum, Sammy Cleaver, Mary Jo Van Zelt, Bruce Child, Robert Ritchie and Owen Barrett.

At the second meeting of the club at the Lloyd Cleaver home last Friday, Andrew Child was welcomed as a new member. The group chose the name, "Nyssa Rural Livestock club" and set meetings for every two weeks. Instruction books and pamphlets on different projects were distributed by the secretary.

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