

Wheat Experiment Data Discussed at Meeting

By N. C. ANDERSON
Last Wednesday afternoon agents from the Columbia Basin, Sherman and Pendleton Branch Experiment Stations, as well as crops people from Oregon State University, had an interesting discussion on wheat varieties, cultural practices, disease control, results of past year research, demonstration and farm experiences. The protein testing program, which is being carried out throughout the state, was also discussed.

While a lot of information was presented during the afternoon, some cultural method results should be of interest to many at this time. A lot of concern was shown by those present over the foot and root rots that were so prevalent in so many of the areas this past year. Some interesting information and yield comparisons were given. Two methods for cutting down on the high incidence of foot rot was by later seeding and also by rotation with barley. Methods have been developed where foot rot can be artificially created in the nursery plot.

It was found that spring tillage, such as rotary hoeing and fertilizing increases foot rot considerably. In plots at the Pendleton Branch Experiment stations, all varieties seeded showed some susceptibility—Brevor the most. Gaines and Omar showed about the same but Gaines stood up better for harvest. There is no control through fungicides. The incidence of lodging from foot rot decreased from 79% on Sept. 5 seeding, to 9% on Sept. 18 seeding, to 1% on October 4th seeding. This was without use of nitrogen. At the same time 40 lbs. of nitrogen doubled the yield and cut lodging to 10% on the September 5 seeding, 9% on the September 18 seeding and to 0% for the October 4th seeding.

At the new elevator nursery, in western Umatilla county, top yields came from September 18 seeding in 1962; from October seeding in 1963. Gaines yielded 38.9, Brevor 35.1 and Omar 24.5. At Moro the September 10 and October 26 seeding dates were equal in yield while the August 10 seeding was inferior. Gaines was higher yielding than the Omar at all dates of seeding, the greatest difference being 10 bushels at the September 10 and October 26 dates. Each variety responded equally to fertilizer and there was no significant response of 60 lbs. of nitrogen per acre. Average yields the past two years at Moro showed no differences in yield from early September and mid-October seeding.

One of the off-station nurseries was located at the Frank Anderson ranch in Eightmile. At this nursery Omar yielded 18.7 bushels, Gaines 32.5, Burt 21.8 and Golden 28.6 bushels per acre. Highest test rate was 60.5 for the Gaines, with the other three varieties weighing 58 lbs. It was interesting to note that at this nursery, Hudson barley yielded 2,624 lbs. per acre, Decator 1,654, Olympia 1,744, Alpine 1,786, and Flynn, 1,780. Test weights for these varieties were 48.4 for the Hudson, 47 for both Decator and Olympia, 45 for Alpine, and 44 for Flynn.

Gaines was the highest yielding winter wheat variety in all of the varied trials established in 1963. Omar, Brevor, and Burt all appeared equal in yield. Hudson was the highest yielding winter barley in the trials. The earliness of Hudson could be noted in the early date of heading. It's tallness is a disadvantage on deep fertile soil where lodging can occur. It's greatest advantages over Alpine is on the shallow, lower producing soils.

Experiment initiated in 1963 tested wheat (Gaines) response to sulphur and banded phosphorus and various nitrogen levels. Trials were established on Walla Walla, Condon, Ritzville, and Morrow soils. Wheat yields were apparently not affected by applied phosphorus or sulphur at any of the 12 locations, included in the study. Gaines on Morrow soil in the Eightmile area ap-

peared to show slight yield increases from 20 to 40 pounds of nitrogen.

Trials will continue for 1964 with two to be located in Morrow county; one at the Frank Anderson ranch, another at the Louis Carlson ranch, where in these two areas there seems to be a limiting factor in the use of nitrogen. These trials are established to determine if nitrogen response can be increased by the addition of other elements.

In over 200 samples run for protein values on a Ute protein tester, purchased by the Oregon Wheat Commission and located at the Pendleton station, overall protein values are low in 1963. Morrow county varied from 5.8 to 10.6 percent. There was one Bart sample that tested 12.6. The 10.6 percent test was Orford. Two trends seem to be evident this year which bears out experimental results found in the Columbia Basin fertilizer trials established in the mid-1950's. Howard Cushman, Extension Soil Specialist, stated that if your wheat protein is under 7% you are not fertilizing to optimum; if over 10% over fertilizing was the reason. There of course are conditions that change this such as hot winds. Another thing seems evident; this is that the earlier you seed, the lower your protein content will be. We will samples taken from Morrow have protein test on all of the county growers soon.

County Chemical Fallow Meeting Set For Sept. 19

Also held last week was a chemical fallow meeting where weed specialist, Columbia Basin agents, chemical company representatives and farmers with experience in chemical fallow met. Detail recommendations will be given at a series of chemical fallow meetings to be held in the Columbia Basin beginning next week. Morrow county will hold its meetings at the fair annex building on Thursday evening, September 19.

Those in attendance were in general agreement that chemical fallow has a place in the farm operation, especially if the cost can be kept to a minimum. Glen Thorne, Umatilla county rancher who has used quite a bit of chemical fallow, says that he saved three roddings and one Graham Holme operation with chemical fallow, compared to regular fallow. He'll use a lot more next year on his light soil, which is comparable to our north Morrow soils. New this fall is an experimental label which recommends one-half pound product Atrazine in stubble before rainfall. This would be now. The chemical costs \$1.45 per acre. It is important that larger amounts of water is used in making this application, especially in heavy stubble.

Grain Exhibits Needed

This year for the first time the Pacific International Livestock Exposition is holding a Land Products show. All growers are urged to assist in helping to make this a success for the first year and get it off to a good start. It is unfortunate that we did not save the grain exhibits from the recent county fair for exhibiting at State Fair and P.I. Anyone who has their cleaned samples left are urged to keep them for exhibiting at P.I. I will be glad to see that they get to this event if anyone would care to bring them to the office.

Soil Judging Workshop Coming

Plans have just been completed for holding the annual soil judging workshop on October 23. Inland Chemical has volunteered fertilizer prizes for the top woman, man and youth soil judge. Hold this date and plan to participate. It's fun as well as an opportunity to learn about the soils of Morrow county.

4-Hers Urged to Feed Out

It's time now that all 4-H boys and girls who are planning to feed out steers for the Oregon Wheat Growers League Livestock Show, be getting steers on feed. The show is held in early June and in order to finish the animals an adequate period of time is needed. Four-H club members selecting steers should consider size along with quality in order that the steers be old enough and large enough to finish out. Breeders who have quality steers available for these club members, should let us know.

Yes, the Gazette-Times can print the form you need for business or ranch use. Phone 676-9228.

FARM NEWS

Home Extension Sets Varied Year's Program

"Take a long look at the 1963 Home Economics program and we're sure you'll find several lessons that will interest you," announces Esther Kirmis, Morrow County Extension agent. Rolls, home furnishings, color, lighting, and a study on facing widowhood and wills are all part of the program.

By attending Home Extension unit meetings, workshops, and special meetings in your community you have an opportunity to continue your education and apply it in your home, continues the agent. Information comes directly from Oregon State University specialists and research laboratory staff.

Extension unit lessons by the month include: October—Fun with rolls—Making rolls is one of the easiest kinds of baking, once you have practiced a little. Kneading dough and shaping it into different kinds of rolls is an enjoyable art. One of your rewards will be the wonderful fragrance that fills the house as the rolls bake. Get ready for Christmas with this lesson.

November—Wise choice of Home furnishings—Americans spend about 4% of their total income on furnishings. The great variations in the qualities, makes and prices complicate selecting and buying furnishings that will meet the family's requirements. We will give information that would be helpful in making wise choices of furniture, draperies, and other furnishings.

December—The Twelve Days of Christmas—You've heard the song, "Partridge in the Pear Tree" sung around Christmas. You know how things keep adding up in the song? Well this is a time management lesson which we will hold in early December, to help us get ready for Christmas.

It includes tips for cleaning such items as windows, brass fireplace tools, silverware. It will also include tips on storing food in the freezer. The proper use of the oven in order to get best results in Christmas baking. There wouldn't be time to go thoroughly into each of these topics, but it will sort of brush up or review lessons on several topics. This lesson will be a good way of teaching time scheduling and work simplification principles.

January—Facing Widowhood—On the average, women face a widowhood of 16 years in our county. Roberta Fraiser, Family Life Specialist, has provided us with a record of her voice leading discussion on this delicate subject. We will discuss problems of widowhood such as living alone and bereavement. How can we prepare? How can we help others? This is a very vital lesson.

February—A Will of Your Own—We were so impressed with the lesson on "When Death Comes" this past year that we're taking a companion piece of Dorothy Sherrill Millers (former OSU Family Finance specialist) and studying "A Will of Your Own." The lesson provides information about legal matters important to every family. How do you own your property and what effect does type of ownership have on transfer at time of death? Under Oregon law, who would receive your property if you did not leave a will? Why have a will? What requirements must a will in Oregon meet? Do you need a lawyer to prepare your will?

These and other topics lead finally to the steps of making a will which are clearly outlined for easy use.

March—Color in the Home—The average American family redecorates every five years. Can you select colors for background areas and foreground furnishings in your home to get the desired effect or to live comfortably with, for five or more years. We'll find this information about color and types of fabrics helpful.

April—Don't Be In The Dark About Lighting—Is another home management lesson which will tell us the importance of light, for good eyesight and health. Quality, quantity, and balance of lighting, light sources. Incandescent and fluorescent; what to look for in buying a lamp, how can you remodel some you already have.

May—Adventures In Salad Making—Of course we all like to

eat—so we have two food lessons coming up. Adventures in salad making answers these questions. Want to perfect the art of salad making? Wish you could take foods you have in your refrigerator or cupboard and turn out picture-pretty salads? Tired of following detailed recipes for your families salad fare? Then this is the lesson for you.

Besides unit lessons there will be a workshop on Mosaics in October, a re-upholstery workshop in March, a money management shortcourse (4 lessons) this winter, and a special Laundry Clinic with Bernice Straun, OSU Home Management specialist, in the spring. Rhea Creek Extension unit meets the first Wednesday of each month, lone unit the first Thursday, Heppner unit the second Tuesday, Pine City unit the second Wednesday, Irrigon's club on the second Thursday, and Boardman unit on the third Tuesday, advises the agent.

1963-64 MORROW COUNTY HOME ECONOMICS PROGRAM

- Extension Unit Lessons
 - SEPTEMBER—Organizational Meetings
 - OCTOBER—Fun With Rolls
 - NOVEMBER—Wise Choice of Home Furnishings
 - DECEMBER—Twelve Days of Christmas
 - JANUARY—Facing Widowhood (emotional side)
 - FEBRUARY—A Will of your Own
 - MARCH—Color in the Home
 - APRIL—Don't be in the Dark About Lighting
 - MAY—Adventures in Salad Making
 - OTHER ACTIVITIES
 - WORKSHOPS—Mosaic Workshop in October
 - Re-Upholstery Workshop in March
 - SHORTCOURSES—Money Management (4 evenings)—January
 - SPECIAL EVENT—Laundry Clinic with OSU Specialist—Spring
- (See the County Agent's Office for particulars)

Record Deadline Officially Closes 4-H Club Year

By ESTHER KIRMIS

Seems odd to talk about the "wind-up" of 4-H activities when public school is just beginning, but this is all a matter of 4-H records.

Joe Hay and I are in the midst of barnstorming these days with "4-H Records" meetings for 4-H leaders in all of the communities of the county. We're wising up the leaders so they can pass the information onto their members as the official 1962-63 club year ends October 1.

Because of the status of 4-H council finances, and unavailability of judges, the 4-H Records Contest (of former years) has been discontinued. This year the leaders will judge their own member's records.

"Who knows the child better and what belongs in a 4-H record than the leader," say the Record Keeping committee (Mrs. L. A. McCabe, Ione; Mr. and Mrs. Wilbur Van Bokland, Heppner; and Mr. and Mrs. Weldon Withering, Echo). "We've been expecting too much of our outside judges to know all the 'ins' and 'outs' of a 4-H record. Why not have the leader judge his own club records?"

So while we're visiting with leaders in Ione, Lexington, Boardman, Irrigon and Heppner we're outlining the following plan:

1. Each leader will require all the member's records (Project record, 4-H story, and Permanent Record) turned into him and he will judge his own club records (blue, red, or white) according to a score card we're furnishing.
 2. This score card gives 30 points for completeness, 30 points for neatness, 20 points for accuracy, and 20 points for the story. A score above 90 will rate a blue seal, one between 89 and 80 a red seal, and 79 and below a white seal.
 3. Secretary's and news reporter's books will be turned into the County Agent's office by October 1 and will be judged by the agents.
 4. Leaders will bring these graded records to 4-H Achievement parties in November and the member will pick them up. Remaining ones will be mailed to the 4-H Boy or Girl.
- Why Do 4-H Boys and Girls Keep Records?**
Records are a part of "educating" as well as the project article.
They tell a boy or girl if he has made a profit or has saved money with his project.
These records are the start of many records he will keep during his life time—especially if

Irrigators Urged To Use Caution

Irrigators are being cautioned anew this week to exercise extreme care in moving large metal pipes or sprinkler system equipment in the vicinity of electric power lines.
"Regardless of how many times the pleas for this safety precaution are repeated there has rarely been an irrigation season pass without a tragic accident that demonstrates again the need for constantly remembering to be careful when moving the metal pipes," explained Pacific Power and Light Com-

pany's local manager, Fred Gimbel.
"Irrigation system pipes should never be upended when near power lines."
"And when mobile sprinkler equipment is to be moved from one field to another the power in overhead lines crossing the fields should be turned off or the equipment dismantled so it will not brush against or be entangled in live electric service lines," he added.

"Another source of hazard is the electric motor which powers the irrigation pressure pump, it was stated.
"Be certain that the motors are properly grounded, and make a check of all insulation to be certain it has not become worn off," he added.

"The PF&L manager said part time help or new ranch hands should be instructed about the location of the lines on each farm."

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Uncle Sam has anything to say about it.

They also are a means of the child evaluating, at the end of the year, what he had learned, and he will strive to improve in another year.

So you see, "4-H Records" have their place in the scheme of things.

Co-op Corner...

By JOE ENGLMAN

Question—

Can a non-member purchase from the Lexington Oil Co-op?

Answer—

Yes.

Question—

Do non-members earn patronage dividends at the Lexington Oil Co-op?

Answer—

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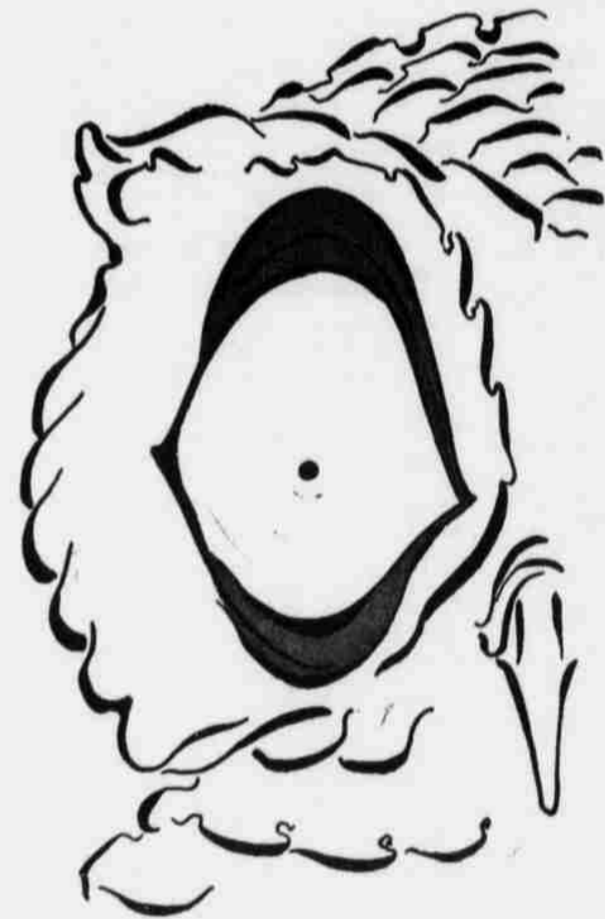


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