

County Agent's Office

New Chemicals Eyed
For Control Of Weeds

By N. C. ANDERSON

Two of Morrow county's plagues to efficient crop producers were attacked this week. On Wednesday two research-demonstration plots were established to determine the effectiveness of different rates of Avadex, a promising chemical, in the control of cheatgrass. This chemical, now used for wild oat and other weed control purposes mainly in the midwest, promises to selectively control cheatgrass from wheat.

Plots consisting of one acre each of three different rates were established with Arnold Appleby, weed research man, Pendleton branch experiment station, and a representative of the chemical company at the Harry Proudfoot ranch in northeastern Morrow county and on the Roice Fullerton ranch now farmed by Herbert Ekstrom in the heavy soils in the south Heppner community. Avadex must be applied before seeding time and incorporated into the soil. It was applied by sprayer to the summer-fallow in both cases and disced into the soil.

On Tuesday evening a small group of ranchers and dealers distributing the promising chemical, Carbyne, for the selective control of rye from wheat met to discuss its possibilities. This chemical has been sold for several years in the midwest and Canada for the control of wild oats in several grain crops. Experimental research at OSU indicates a possibility in the control of rye from wheat and barley. It will be marketed for experimental use only this year.

in the Pacific northwest.

This office will have some material to apply as demonstration plots as well as the material which will be available for purchase and use by ranchers. It will be applied when the rye is in the two or three leaf stage and before wheat and barley has reached the four leaf stage. If these new chemicals prove satisfactory and economical for field use a great step will have been taken toward controlling two of our serious crop pests.

Sandburr Infestation
Marking Suggested

From time to time there has been much concern by many people on the steady increase of infestations of sandburr in the south Morrow county area. These have started from roadside infestations and have, in some cases, crept into farm land, especially alfalfa fields bordering road right-of-ways. While some limited control has been done by the county and state a concentrated effort has never been applied mainly because it has not been classified as perennial noxious weeds. A number of ranchers have controlled them on road right-of-ways adjacent to their property. Last week Kenneth Peck stopped by the office to report a bad infestation on the Clark's Canyon road that leads by his ranch. Kenneth, like many others, discovered these only after they were mature with burrs. He had a suggestion that is good. Since sandburrs are grassy plants and hard to distinguish in the early

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growing period when they should be controlled, he suggested that infestations be staked and marked now by ranchers who know where they are on the right-of-ways. These plots would then be marked for late spring spraying either by the county or state weed crews or by individuals concerned with their spread. While infestations are fairly heavy now they will become much worse unless something is done about them in the very near future.

Twin Calves Arrive
Five Days Apart

The Howard Pettyjohns, who have an acreage on the outskirts of Heppner, are rejoicing over the arrival of twin heifer calves from their dairy cow. While twin calves are fairly uncommon, the novelty was increased by their being born five days apart which we have not heard of before. The calves are thrifty and their mother seems none-the-worse for her having made history.

Proudfoot Well

Produces Good Supply

While visiting the Harry Proudfoot ranch last Wednesday we had the opportunity to see and hear of his new well which he

recently drilled. Crews were putting together a one-mile eight-inch main line and six mile and a quarter lateral six inch lines which will irrigate over 500 acres of dryland wheat ground east of his farm buildings. The well completed recently is 990 feet deep with water coming within 86 feet of the top. Recently a pumping test produced 1500 gallons a minute lowering the water level only 14 feet in a 12 hour pump test. This fall 450 acres of Gaines wheat will be seeded on this irrigated ground with an acreage for alfalfa for seed planted in the spring.

'Money Making'
Idea Presented

One of the "Money Making" ideas we have at present for the beef cattle industry is determining which cows are carrying calves and which cows are open. A range cow barren in the fall of 1962 will not produce a saleable calf until the fall of 1964. A pregnancy test should be made by your practicing veterinarian now.

No 'Magic Method'
To Success with Beef

The question of how to make more money with a beef cow

herd is one to which there is no pat answer. There is no magic method. But there are several basic points which if properly handled by the cow herd owner, may contribute to greater return from the commercial cow herd. These points were emphasized in a study of 84 beef herds over a three-year period in Indiana.

First basic point noted in this study was that a high calving percentage is absolutely necessary. Almost every cow in the herd must raise a calf. Under long range price conditions, a 94 per cent calf crop, with calves weighing 450 pounds, is necessary to break even, it was shown. Returns were cut in half when the percentage of calf crop dropped to 80 to 90 percent. Thus, getting the cows bred and getting the calves safely dropped and started on the road to healthy growth are two vital necessities in cow herd profit.

A second basic point is increasing weaning weights per calf. Gross receipts per cow increased as average weaning weights moved up.

Factors which may have an important influence on weaning weights include breeding dates, performance testing or use of performance tested stock in order to get gains, and use of bulls with performance records or from tested stock.

Higher quality calves usually look better, attract buyers more quickly and bring a higher price. And usually it costs no more to produce a high quality calf

IFYE to Costa Rica
To Appear Next Week
Before County Groups

Louis Pratt, International Farm Youth Exchange, will tell of his experiences in Costa Rica this past year when he speaks before Morrow county elementary and high school students, as well as adults next week.

Pratt, who returned from Costa Rica in March after a 5½ month stay, is starting his "report back to the people of Oregon" this month. Baker, Grant, Morrow, Umatilla, Union, Wallowa and Malheur are in his schedule for the month.

His schedule includes: October 8—Heppner Chamber of Commerce at noon and Heppner High school at 2:00 p.m.; October 9—Heppner elementary school at 9:00 a.m. and at the lone school

at 2:30 p.m. He will be at Riverside school, Boardman, the morning of October 10 and at A. C. Houghton school, Irrigon in the afternoon.

While in the county he will be a guest at the Frank Anderson home in the Rhea Creek area. The International Farm Youth Exchange (IFYE) is a project for rural young people conducted by the national 4-H club foundation and voluntary contributions to bring about better understanding among people of the world and to build a lasting peace.

Portland Grain
Exchange

TO ARRIVE MARKET

(From Portland Market Reports, 300 Lewis Bldg.)

Friday, September 28	
Pacific Northwest Wheats	
	Bid
Coast Port	212
White Wheat	212½
White Club	212½
Hard White-Baart	222

No Hunting
No Trespassing
Signs at the
Gazette-Times

Get Bigger Yields...

Maximum Moisture Use

from your

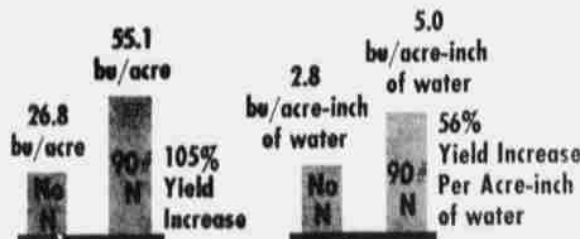
WINTER WHEAT

Apply plenty of yield-increasing
Phillips 66 Agricultural Ammonia

Northwest wheat studies show remarkable increases in both yields and moisture efficiency when adequate nitrogen is applied. Results from one test show a 100% yield increase over the control plot with 90 pounds of nitrogen, and a 56% increase in bushels produced from each acre-inch of water. In dry areas, lower applications of 30 to 50 pounds of nitrogen may provide the most profitable yields.

TESTS SHOW:

Increased Yields ... Maximum Moisture Efficiency



NITROGEN ... plus efficient use of moisture is essential for maximum wheat yields.

PHILLIPS 66 AGRICULTURAL AMMONIA is 82% nitrogen. This premium quality product costs you less per pound of nitrogen than any other form of nitrogen fertilizer you can buy.



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your Nitrogen needs

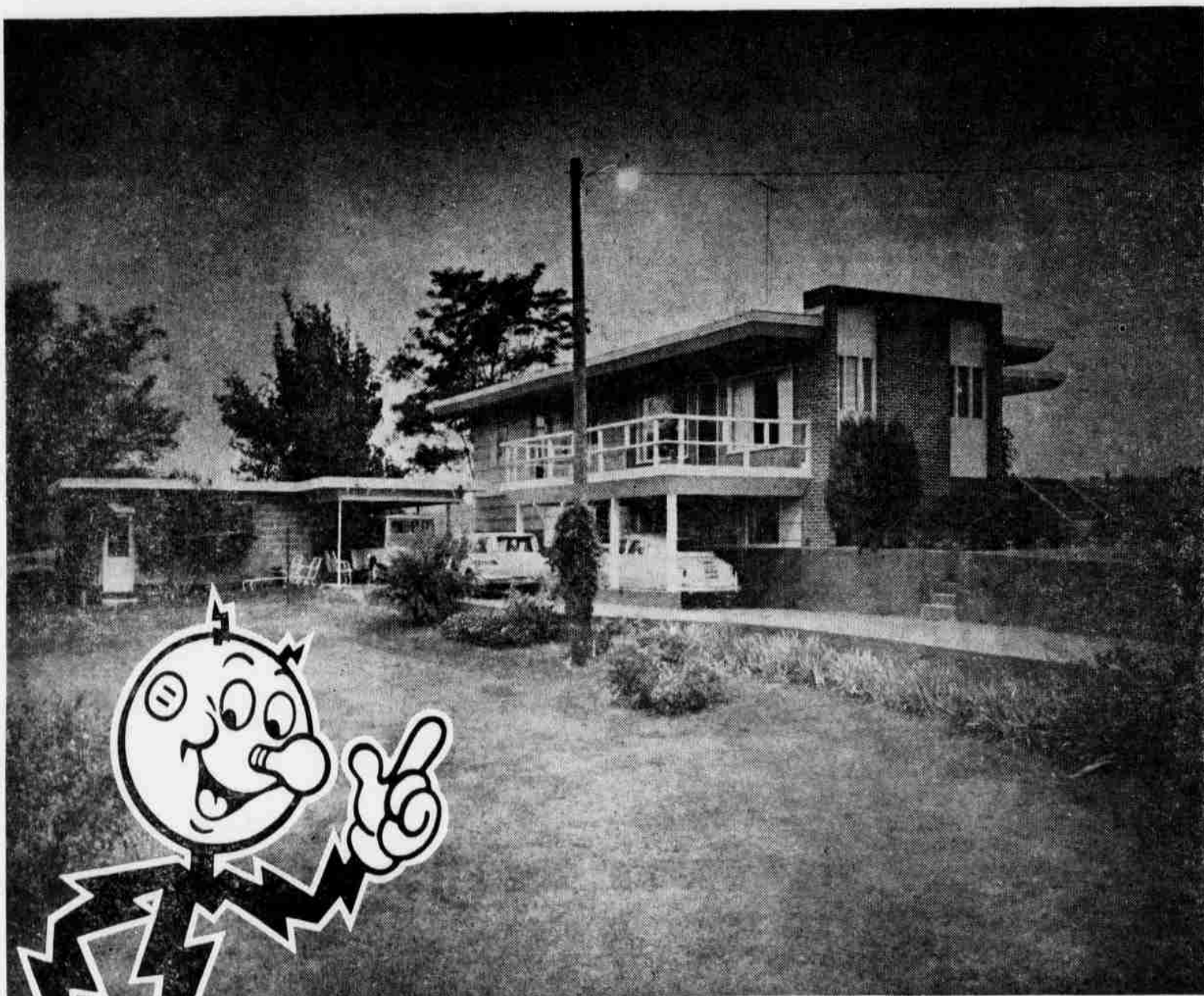
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More than 5000 Pacific Power customers have already taken advantage of this exciting new offer. For a small monthly charge, LIGHT GUARD provides a zone of protective illumination around your property all night long, every night. Fully-automatic, mercury-vapor LIGHT GUARD gives an extra measure of security, safety and convenience for homes, farms and businesses.

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