

County Agent's Office

FARM

Selective Study Uriged In Using Weed Chemicals

By GENE WINTERS
County Extension Agent

Wheat growers have more and better herbicides available to them than ever before. Most of the newer weed killing chemicals have more exacting times of application for satisfactory results. Nearly all of the newer herbicides registered for weed control in wheat have been developed to take care of the weeds, which 2,4-D hasn't been able to handle.

Growers need to know more about weeds and herbicides to make the most economic use of chemical weed control measures.

Most herbicides or weed killers in common use are selective in action. Selective herbicides refer to a chemical that is more toxic to one plant than to another. When such a herbicide is applied to a mixture of plants, some may be killed and others may be affected only slightly or not at all.

Selectivity is based upon specific factors involved in the physical and chemical makeup of the plant.

Herbicides used in Morrow county for control of weeds in wheat have shown selectivity under research trials in the area. Stage of weed growth is the most important consideration when choosing a herbicide.

In general, 2,4-D controls most annual mustards, pigweed, lambs quarter, bachelors button, fiddleneck (tarweed), and most buttercups. These weeds not adequately controlled are purple mustard, groundwell, henbit, little bur, chickweeds, and filare.

MCPA controls most purple mustards, pigweeds, lambs quarter, and most buttercups, but does not give satisfactory control of fiddleneck and those listed as unsatisfactory under 2,4-D. Bromoxynil controls such weeds as groundwell, fiddleneck (tarweed), blue (purple mustard), most annual mustards, lambs quarter, pigweed, and knotweed. Weeds not controlled are tansy mustard, jagged chickweed, and filare.

Dicamba (Banvel D) gives adequate control of such 2,4-D resistant weeds as corn cockle, cow cockle, and knotweed, but weeds such as mustards, tarweed, and groundwell have shown resistance. Dicamba, plus 2,4-D provides a wider selection of control. Other mixtures are becoming more popular.

Timing of applications have much to do with control accomplished. MCPA, 2,4-D, and Dicamba spraying should be delayed until the winter wheat has at least 5 leaves or three to four tillers and a fairly strong root system. Bromoxynil should be applied after all the weeds have emerged and are still small. Cereals are tolerant at all stages of growth of bromoxynil up through the boot stage. Treating small grains before the five leaf stage will usually cause reduced yields, many malformations of the head, onion leaves, and general stunting of the plant. Small grains are susceptible to 2,4-D damage from the start of the jointing stage through the flowering stage.

Spotty stands of grain may be a serious source of weed seeds in future years unless treated. Little or no crop competition favors weed growth and resulting seed set.

Great growth opportunities for Oregon agricultural and forestry industries lie in the development of the blessings we already have.

Walter Leth director of the Oregon Department of Agriculture, stressed this at the OSU-sponsored conference in Portland March 28 on growth opportunities in agriculture and forestry based businesses.

The creation of jobs based on enhancement and stability of forestry and agriculture will have the greatest impact on the general economy of the state, Leth declared. New jobs are created indirectly as well as directly from new growth and development in these two basic industries.

He urged careful and intense management of these renewable resources and pointed out that future growth depends upon research along this line as well as in production and marketing to broaden the product mix. He suggested that in further development of the forestry industry research could be applied to utilization of fertilization and irrigation which has done so much for agriculture.

For agriculture itself, Leth pointed to the need for planned land use and conservation of prime farm land to provide opportunities for elated industrial growth. Water, too, is most important to the future agricultural growth.

He sees development in the processing of food and timber products as the major opportunity for industrial growth and vital to Oregon's long range economy.

Not to be overlooked, Leth said, is the bonus value agriculture and forestry offer to Oregon because "they provide increasingly enjoyable and aesthetic environment for the people of our state."

Ag and Forestry Hold Growth Key, Walter Leth Says

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Club Plans for Trip

The Knit-A-Bitters 4-H Knitting club from Pine City held a meeting at the home of our leader, Mrs. Ron Currin, on March 30. Discussion was held on planning a trip to the Pendleton Woolen Mills in the future. Several members showed their finished projects.

Patti Healy, reporter

County Court Proceedings

Order: Re cancellation of personal property taxes of Wm. Seehafer. Dated 3/27/68.
Order: Refund to Harold Wright re excessive personal property tax. Dated 3/20/68.
Order: Refund to E. L. Betten-court re tax sale. Dated 3/20/68.
Order: Dance Hall License, American Legion Post No. 95, Ione, dated 3/3/68.
Order: Approving a leave of absence for Rod Thomson, Co. Assessor, and appointing Joyce Ritch special assessor, dated 4/2/68.

Approved: Payment of board, room, and registration fees for Shirley Loyd while attending convention on child welfare.
Hired: Jay E. Huson, as Watermaster as of March 9, 1968.

The following warrants were issued on the General Fund:

Paul W. Jones, Co. Ct. Exp.	160.45
Walter H. Hayes, do	44.60
Jack Van Winkle, do	51.80
First Nat'l Bank, Sal.	906.40
St. Comp. Dept., Sal. 12.12, Ins. 56.39	68.51
St. Tax Comm., Sal.	267.70
Pub. Emp. Ret. Bd., Sal. 333.62, Sec. 333.61	667.22
Pac. Mut. Life Ins. Co., Sal.	208.81
Alma Green, Co. Ct. Off. Sup.	7.00
John A. Pfeiffer, Dep. Sh. Car Exp. 4.29, Jan. Sup. 1.33	5.62
Paul Pettyjohn Co., Sher. Car Exp.	58.41
George F. Cake Co., Sher. Sup.	50.50

Lodge Discusses State Assembly

By DELPHA JONES

LEXINGTON—Holly Rebekah Lodge met last Thursday night for its regular meeting with Noble Grand Ruth Robinson presiding. At this time, a District Deputy President, Mrs. Edna Fetsch, was recommended for the following year, to be appointed at the Assembly in May.

Delegates elected to go to the State Assembly were Mrs. Joe Yocom and Mrs. Joel Engleman. Following the meeting refreshments were served in the dining room.

A visitor for the meeting was Mrs. Elaine Rietmann of Ione, present district deputy president.

Mrs. Cora Burnside of Spray and Jerry Steagall were recent callers at the George and Wilbur Steagall home. Mrs. Burnside is the mother of the two Mr. Steagalls.

Mrs. Lola Breeding is spending some time with relatives in Hood River.

Mr. and Mrs. Alfred Van-Winkle and children of Spokane were callers over the week-end with his mother, Mrs. Cleo Van-Winkle.

Mrs. Vernon Munkers is a patient in Pioneer Memorial hospital in Heppner.

Mr. and Mrs. Jack Sitton of Kinzua were visitors last week at the home of her brother and family, Mr. and Mrs. Wilbur Steagall.

Mrs. June Field and Mrs. Merle Cornelison were Hermiton business visitors last Thursday.

Warren Williams has been transferred from Moffett Field, Calif., to the Naval Air base at Fallon, Nev.

Butch Williams visited his parents over the week-end from school in La Grande.

Mr. and Mrs. W. I. Miller of La Grande was a Lexington caller on Sunday.

Mrs. Florence McMillan spent a couple of days this week at the home of her son-in-law and daughter, Mr. and Mrs. G. E. Irvin and family of Hood River. Other visitors are Mrs. Bob Taylor and small son, Kevin, of Boardman.

Mr. and Mrs. Carlyle Harrison of Cascade Locks were Lexington callers Sunday.

John Appleberg of Kellogg, Idaho, visited Mr. and Mrs. Clifford Williams last week. Mr. Appleberg is the father of Mrs. Williams.

Pedbergs Attend Wedding

Mr. and Mrs. Elden Padberg and daughter Jill, Mr. and Mrs. Lee Padberg and small daughter and Mrs. Amy Sperry motored to Asotin, Wash., over the week-end where they attended the wedding of Mrs. Padberg's niece, Christine Ausman, to Larry Wilson at the Methodist Church in Asotin. The groom is a student at Pullman, Wash., and a former resident of Asotin. Mrs. Sperry, mother of Mrs. Padberg, motored to Lexington from Portland, and then on to Asotin where she is spending a few days.

Mr. and Mrs. John Flint of Portland were week-end callers at the home of her parents, Mr. and Mrs. Bob Davidson.

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Heppner Gazette-Times, Off. Pub.	31.92
Dept. of Fin. & Admin., Surp. Fds. Exp.	31.25
Standard Off. Equip., Just Ct. 6th, Off. Sup.	2.19
Pendleton-Heppner Frt. Surp. Fd Exp.	120.95
Roderick Thomson, Assess. Fld Wk	71.88
Credit Bur. of Morrow Co., Prom Exp.	36.00
Kapner, Inc. Sher. Sup.	69.50
Standard Oil, Dep. Sher. Car Exp.	54.18
Sadie Parrish, Co. Clk, Clk's Inc.	7.50
Pac. N. W. Bell, Cur. Exp.	162.05
Paul Pettyjohn Co., Chse Fuel	95.56
Nungesser Jan. & Sup., Jan. Sup.	3.85
Standard Oil, Juv. Tr. Exp.	8.11
Mahoney & Abrams, Cir. Ct. Sp. Atty	70.00
Carl Spaulding, et al, Cir. Ct. Gr. Jury	64.02
Marion Green, Cir. Ct., Witness	5.00
John Van Winkle, do	11.00
John Van Winkle, do	5.00
Turner, Van Marter & Bryant, Ins.	3430.00
3 M Bus. Prod., Photocopy Paper	50.71
Kilham Sty & Print. Co. Elections	5.00
Heppner Gazette-Times, Off. Pub.	15.12
Harry O'Donnell, Park Pd	8.75
Charles Bailey, Civ. Def. Exp.	96.00
C. J. D. Bauman, Tax Coll., Sher. Stamps	50.00
Walter H. Hayes, Comm	195.57
Jack Van Winkle, do	334.82
Mary Bryant, Dep.	296.95
Dean Gilman, do	389.86
Elvira Irby, do	293.40
Joyce Ritch, do	287.04
Edna Chally, H. Nurse	236.64
Darl Hudson, Jan.	337.70
Alfred Boschee, Juv. Couns.	142.78
Margaret Jorgensen, Off. Clk	85.91
L. D. Tibbles, DO, Physician	23.90
Hugh Smith, Civ. Def. Dir.	47.18
W. C. Driscoll, Comm. Clk	47.18
Dan Morrison, Ct. Rep.	139.90
Rosita Morrison, do	119.40
Nancy Dixon, Surp. Fds. Help	41.08
Rachel Harnett, Museum Fd	41.08

Jay E. Huson, Watermaster	304.56
Alma Green, Off. Clk. 98.05, Steno Pool 168.74	266.79
James Cason, Weed Cont.	339.47
The following warrants were issued on the Gen. Roads Fund:	
First Nat'l Bank	869.80
Pub. Emp. Ret. Bd.	745.60
St. Tax Comm.	261.10
St. Comm. Dept.	453.11
Pac. Mut. Ins. Co.	375.40
Standard Ins. Co.	48.00
Becket Equip. Co.	8.27
Stone Mch'y Co.	911.06
Ford's Tire Service	211.47
Heppner Auto Sales	49.68
Jack Allen Sup. Co.	90.94
Lott's Elec.	280.04
Heppner Auto Parts	172.11
Automotive Equip. Co.	750.42
Kuhn's Union 76	2.00
Pettyjohn's Bldrs Sup.	8.42
Fulleton Chev.	66.36
Tum-A-Lum Lbr. Co.	1.85
John A. Pfeiffer	7.05
Zep Mfg. Co.	19.58
Standard Oil Co.	908.22
Paul Pettyjohn Co.	1304.26
Stone Mch'y Co.	750.00
Woodpecker Trk & Equip.	150.00
H. C. Sherer	80.00
Col. Bas. Elec.	59.54

City Water Dept.	5.25
Heppner Gazette-Times	37.85
Pendleton Grain Growers	248.36
N. W. Ind. Laundry	4.74
Woodpecker Trk & Equip.	28.79
Pendleton Grain Growers	5.43
Union Oil Co.	43.14
Charles Bailey	15.50
Pendleton-Heppner Frt	11.34
C. J. D. Bauman, Sher. Tr.	6.00
Donald Munkers	96.00
Fleet Tire Mart	728.00
Francis Ford	114.94
Gene Orwick	14.93
Heppner Auto Sales	750.00
Pac. N. W. Bell	26.15
Sadie Parrish, Co. Clk	14.78
Morrow Co. Gr. Growers	754.79
Farley Mtr. Co.	14,053.00
Roadmaster	424.23
Road Foreman	438.61
Bookkeeper	287.48
Set Salaries	798.48
Labor	4131.82

The following warrants were issued on the Misc. Funds:

James Norene, D.V.M., Dog Fund	4.00
Pendleton Music House, Alcohol Enforcement	127.70

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Grain Movement Slows in March

Grain inspections made by the Oregon Department of Agriculture in March were below those of February of this year, but above those for March, 1967.

Incoming grain inspected at Portland and Astoria totaled 290,101 tons compared with 323,116 tons this February and 217,457 tons in March a year ago.

A total of 257,160 tons of grain were weighed and inspected for export this March and in February 296,031 tons were weighed and inspected. The figure for March, 1967, was 205,342 tons.

At Pendleton 7,380 tons of incoming grain were weighed and inspected during March and 18,180 tons inspected and diverted. Merrill had 5,571 tons weighed and diverted.

Wheat is Seized By Ag Department

A truckload of wheat arriving in Portland from Fairfield, Idaho, has been seized by the Oregon Department of Agriculture because it was found to contain wheat treated with mercury.

Allen G. Plummer, chief of the department's grain division, said the grain will be released only for use as seed or to be destroyed. Involved are 53,830 pounds.

The department also seized some 45 tons of wheat trucked into the state from California and that was found to contain bird droppings. This is being heat treated and will then be released for use as animal feed.

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