

EARLY SEEDING OF COVER CROPS URGED

Importance of Maintaining Fertility of Soil Against Erosion Pointed Out.

Early seeding of cover crops or green manure crops in orchards should not be overlooked, warns J. Roland Parker, as these crops provide the cheapest means of building and maintaining soil fertility. The kind of a crop seeded and grown is not so important as having some kind of a cover crop or green manure crop in the orchard during the winter. A cover crop or green manure crop takes up the available plant food and keeps it from being removed from the soil by winter rains, prevents washing and erosion of the soil, and produces a valuable fertilizer and organic matter for enriching the soil.

Most cover crops will do better if seeded early. On soil low in fertility and organic matter cover crops are slower in starting and need a longer period to become established before winter weather sets in. Seeding early on good soils cover crops do better than if seeded late in the fall. Planning to seed cover crops late in September or October often results in not seeding at all, states Mr. Parker, as early rains make it impossible to seed the cover crop or to cover the seed if broadcast.

Advice on Crops

Winter rye seeded late in August or early September at 90 to 100 pounds per acre on the poorer soils lacking in organic matter have given better results than most other cover crops. Winter rye is recommended for all hill orchards where other cover crops do not make a good growth.

Mixtures of oats and vetch which can be purchased cheaply are recommended for lands where cover crops normally make a good growth. Purchasing straight seed of any kind and mixing with other seed always costs more than when adapted mixtures can be purchased directly from the threshing machine without cleaning or after recleaning.

Cover crop experimental plots seeded last fall to hairy vetch, common vetch, and purple vetch mixed with oats and barley and crimson clover seeded straight gave equally good results. No difference in the quantity of forage on the ground could be noticed between the vetches. Crimson clover made an excellent cover crop but was the first successful crop secured in four years of trials and cannot be recommended for seeding at the present time.

The cost of seeding vetches straight is about the same regardless of the kind of vetch seeded. Common vetch needs to be seeded at least twice as heavy per acre as purple or hairy vetch. Austrian winter peas straight or with oats or other small cereals has given good results as a cover crop. Austrian winter peas seeded alone should be seeded 75 to 90 per acre.

Cover crops or green manure crops are approved practices under the agricultural conservation program and farm operators complying with requirements of the program will earn benefits for such practices carried out on their farms.

CLAIMS ALLOWED BY COUNTY COURT

Following is a list of the claims audited and allowed at the regular August term of county court:

Circuit Court: Lester L. Wimberly, P. M., \$6.00; West Publ. Co., \$5.00; M. L. Hallmark, Spl. Counsel, \$5.00; American Law Book Co., \$12.80; P. T. Co., \$3.15; Lawyer's Court Publ. Co., \$7.50.

County Court: Hiron Clough, travel exp., \$16.94; R. L. Stearns, commissioner, \$106.89; H. B. Roadman, commissioner, \$99.09; P. T. Co., \$1.20.

Justice Court: Justice fees, \$127.15; Constable fees, \$3.50; Jurors' fees, \$6.00; Witness fees, \$3.50.

ROSEBURG BOARDING HOUSE

with Major Hooples



1937-38: P. T. Co., \$2.55; Juvenile Court: Agnes M. Pitchford, travel exp., \$13.75; P. T. Co., \$7.22; Car, \$20.00; Shell Oil Co., \$7.42; S. I. A. Comm., \$3.86.

District Attorney: P. T. Co., \$7.35.

Assessor: Lester L. Wimberly, P. M., \$1.50; Burroughs Adding Machine Co., \$1.50; Vera McC Jones, \$1.00; P. T. Co., \$3.35; Field Deputies: W. J. Meredith, \$20.00; V. S. Woodruff, \$20.00; Ernest Helliwell, \$87.00; S. I. A. Comm., \$2.04.

Clerk: Lester L. Wimberly, P. M., \$21.50; Rsbg. Book Store, \$3.00; P. T. Co., \$2.25; Sun Printing Co., \$11.00; S. I. A. Comm., \$1.28.

Coroner: Fees, \$25.00; mileage, \$10.65; Juror, \$4.00; Witnesses, \$16.50; H. C. Eastland, \$5.00; J. C. Campbell, M. D., \$5.00.

Sheriff, Legal Dept.: The following field deputies received service fees: F. W. Dillard, \$22.85; G. M. Dyer, \$11.80; George Edes, \$6.75; Q. W. Hartshorn, \$3.25; Fred Kinsey, \$19.15; and H. M. McCabe, \$5.50; the following field deputies received for services and travel expense: G. M. Dyer, \$16.85; Jake Sawyer, \$3.00; Earl Wood, \$2.00; Geo. Olinhouse, \$18.00; Q. W. Hartshorn, \$6.00; Fred Kinsey, \$19.00; Geo. Edes, \$14.70 and H. M. McCabe, \$19.30; Roseburg Book Store, \$60; Union Oil Co., \$2.58; Richfield Oil Co., \$2.80; Standard Oil Co., \$25.71; Shell Oil Co., \$10.63; Taylor's Battery Station, \$7.25; L. L. Wimberly, P. M., on 1937-38, \$33.50; P. T. Co., \$15.35; Art Burnside, \$6.00; J. O. Newland and Son, \$3.50; S. I. A. Comm., \$3.31.

School Superintendent: Stella Quine, travel exp. to convention, \$21.75; P. T. Co., \$2.35; S. I. A. Comm., \$1.00.

Surveyor: H. L. Eppstein, \$70.00; for Government Corners, \$7.50; P. T. Co., \$2.35; S. I. A. Comm., \$2.

Treasurer: Burroughs Adding Machine Co., \$1.50; P. T. Co., \$2.75; Kelly Sales Co., \$1.25; Rsbg. News-Review, 25c; S. I. A. Comm., \$1.00.

Health Unit: Lester L. Wimberly, P. M., \$10.00; Rsbg. Book Store, \$80; P. T. Co., \$12.08; Rsbg. News-Review, 60c; New Service Laundry, \$3.62; S. I. A. Comm., \$2.85.

Roadmaster: Rsbg. Book Store, 15c; P. T. Co., \$2.87; Lapham Motors, \$13.90; S. I. A. Comm., \$2.67.

County Home: Emmett Hall, \$3.50; R. B. Montgomery, \$1.00;

LaBrie Ritchie, \$16.40; Lester L. Wimberly, P. M., \$1.00; M. L. Spiner, \$6.20; cash adv., \$2.50; Walter Lenke, \$21.25; Lloyd Cole, \$1.65; M. T. Dawson, \$50.13; \$39.04; Haynes Drug Store, \$4.75; Con. Freight Lines, \$1.87; Rsbg. Undertaking Co., \$12.00; Standard Oil Co., \$4.15; Douglas Funeral Home, \$37.50 and \$102.90; fare adv., \$3.10; C. A. Wallen, \$1.38; Douglas Flour Mills, \$12.60; Pacific Fruit and Produce Co., \$15.16 and \$27.46; LaBrie Ritchie, \$8.20; Jack Parrott, \$5.00; Douglas Abstract Co., Insurance, \$50.00; Nurses and Helpers, \$27.75; Economy Market, \$2.50; Evens Bros., \$3.60; Fullerton Candy Co., \$7.51; Northside Market, \$2.05; Safeway Store, \$15.70; Mercy Hospital, \$28.00; Cliff Parrott, \$2.53; Fisher's, \$2.35; J. C. Penney Co. Inc., \$10.59; Wilder's, \$2.50; Judd Furniture Co., \$2.95; P. T. Co., \$6.75; C. J. Grimm, \$50.61; Heminger's Mart, \$55.93; Umpqua Dairy and Products Co., \$32.20; Weber's Bakery, \$30.18; Calif.-Oregon Power Co., \$75.71; Roseburg Lumber Co., \$2.00; Western Foundry Co., \$1.00; Goettel's Variety Co., \$7.05; Parlow's Furniture Co., \$2.95; M. A. Paul, \$1.25; Rsbg. Undertaking Co., \$15.00; Oregon State Board of Health, \$3.05; Deer Creek Dairy Co., \$6.75; Denn-Gerretsen Co., Inc., \$80; Oregon State Board of Corrections, \$20.00; S. I. A. Comm., \$18.15; less prisoners board, \$85.00.

County Jail: Haynes Drug Store, \$1.10; Roseburg Electric, \$2.82; Dr. J. E. Campbell, \$5.00; Mercy Hospital, \$7.75; Calif.-Oregon Power Co., \$4.26; C. W. Clark Photos, \$2.29; W. Black, 75c; New Service Laundry, 77c.

Blind Assistance: Allowance, \$62.21.

Juvenile Children's Assistance: Allowance, \$50.00.

Dependent Child's Assistance: Allowance, \$652.37.

Old Age Assistance: Allowance, \$3141.31.

Sailors' and Soldiers' Assistance: Allowances, Civil War, \$20.00; Spain, Amer. War, \$80.00; World War, \$62.64.

U. S. A. Work Projects: Sun Printing Co., \$28.85; Ira F. Rankin, \$3.80.

Agents, County 4-H Club: Allowance, \$ 850.00.

Bounties, Scaps: Cats, Coyotes, Albert Hall, \$8.00; Ben Serafin, \$10.00; J. V. Shurt, \$1.00; J. S. Russell, \$8.00; Douglas Rice, \$8.00; Chester Howard, \$2.00; Earl E. Woods, \$5.00; Henry C. Thon, \$8.00; John C. Udam, travel exp., \$25.00.

Bridge Funds: The following is in payment of foremen and crews: Homer Gallop, \$150.00; W. H. Gallop, \$126.00; D. S. Clemens, \$96.00; M. N. Humphreys, \$96.00; Wm. T. Hughes, \$96.00; George McHughill, \$96.00; Grant Kincaid, \$90.00; Frank McHughill, \$96.00; H. J. Faulbion, \$84.00; J. L. Sutton, \$69.00; Russell Ode, \$120.00; Glenn Racher, \$94.00; Lee Wehde, \$96.00; Jack Udam, \$69.00; P. H. Jurgenon, \$96.00; Grant Kincaid, \$36.00; Eldon Boyd, \$3.00; Bert Shortridge, \$125.00; A. B. Gardner, \$100.00; Ben W. Taylor, \$129.00; Eben Hode, \$96.00; Wm. Hoelt, \$52.00; Harry Baird, \$96.00 and Oliver Johnson, \$69.00.

The following is for materials and supplies: Sam Ball, \$422.16; Harvey Hude, Co., \$1.38; L. W. Matzger Co., \$466.75; Pac. Hide, Wool and Metal Co., \$19.50; Umpqua and Douglas hotels, \$12.00; Coen Lumber Co., \$48.94; Wharton Bros., \$1.00; J. E. Haseltine & Co., \$59.92; Winchester Bay Lumber Co., \$629.15; Hargan Bros., \$893.41; J. E. Haseltine & Co., \$43.31; Horton Lumber Co., \$2.91; Smith Freight Lines, \$4.95; Thiel Bros., \$127.27; Churchill Hardware Co., \$99.15; Coen Lumber Co., \$15.70; Calif.-Oregon Power Co., \$1.03; K. E. Erickson Co., \$15.94; Farm Bureau Co-op Exchange Co., \$1.62; Denn-Gerretsen Co., Inc., \$262.25; Hargan Bros., \$75.39; Harts Hardware Co., \$3.50; Reynolds and Adams, \$1.00; State Industrial Accident Comm., \$27.09.

Court House: Otis Elevator Co., July, \$6.00; Pacific Key Service, \$2.00; Cascade Chemical Co., \$36.24; Pierce Auto Co., \$6; Calif.-Oregon Power Co., \$119.53; Churchill Hardware Co., \$2.11; Roseburg Lumber Co., \$10.00; Western Foundry Co., \$5.00; W. Black, \$10.10; O. C. John, \$2.00; S. I. A. Comm., \$3.94.

Dairy Herd Inspector: Dr. Geo. L. Nicholas, \$31.95.

Election: Chioftain, \$8.19; Q. W. Hartshorn, \$3.00.

Emergency: Salvation Army, \$25.00; Douglas Forest Protective Assn., \$20.00.

General Supplies: Burroughs Adding Machine Co., 90c.

Insane F. M. T. B. Hospital: M. H. Catterlin, \$1.00; Cash adv., \$5.00; Montgomery Ward Co., \$5.72.

Miscellaneous Accounts: City of Roseburg, cutting weeds on county owned lots, \$29.07; Douglas Abstract Co., \$2.80; Dr. C. T. Sharp, camp ground inspections, \$55.00.

Property Classification: C. E. Harris, \$5.00; Joe Haley, \$30.00; Gilbert Binder, \$84.00; Carl Moore, \$60.00; W. F. McCulloch, \$17.50; Virgil Clayton, \$25.00; Leland Powell, \$17.50; Dayton Minter, \$3.75; W. J. Pichette, \$2.50; D. C. Higginbotham, \$1.25; Glen Gurney, \$1.25; Mack Smith, \$2.50; A. Flomberg, \$2.50; Romie Howard, \$8.25; Percy Langdon, \$20.00; Henry Wheeler, \$20.00; Max Myers, \$111.75; Bert Matthews, \$114.00; Dick Riggs, \$108.00; State warrants issued, \$6194.25; State Industrial Accident Commission, \$363.05.

The following warrants are for supplies, etc.: Ed Busch, \$15.55; Churchill Hardware Co., \$2.47; St. Dillard Motor Co., \$4.13; Clay of Drain, \$1.10; Columbia Equipment Co., \$9.84; Eugene Concrete Pipe Co., \$63.18; The General Tool Co., \$23.12; J. E. Haseltine Co., \$60; V. L. Holgate, \$1.50; Marsters Drug Co., \$2.55; A. H. Monson, \$6.00; Sarff Auto Wrecking House, \$1.00; The Sutherland Sun, \$24.95; Western Auto Supply Co., \$5; Woodcock and Fugel, \$3.25; Quine & Co., Insurance, \$50.00; Ed Busch, \$10.50; Nelson Bros., \$394.41 and \$25.00; total warrants, \$774.88. Grand total general road warrants, \$7332.22.

Market Road Funds: Viewer of Roads: G. S. Clayton, \$5.50 and J. O. Newland, \$4.75; Rice and Orcutt, refund in cases of Circuit Court, \$20.00; Wm. Chadwick, damages, \$8.50; total, \$38.75.

Road District No. 1

The warrants are for supplies and gravel: W. T. Cloake, \$33.43; Consolidated Freight Lines, \$12.32; Denn-Gerretsen Co., Inc., \$25.09; \$100.00 and \$98.95; E. G. Donaldson, \$3.50; Goodyear Services, \$215.38; Howard Cooper Corporation, \$125.51; Marsters Drug Co., \$90; L. W. Metzger Co., \$1.30; Nordling Parts Co., \$67.13; Orchard Auto Parts, \$17.77; Robertson Heavy Hardware Co., \$149.51; Roseburg Sand and Gravel Co., \$168.25; Tom Siegel's Garage, \$90; Standard Oil Co., \$244.69; Wharton Bros., \$5.10 and \$36.40; T. P. Leatherwood, \$172.77; Stearns and Chenoweth, \$458.14; The Texas Co., Cottage Grove, \$312.40; The Texas Co., Roseburg, \$1050.19; Bert L. and Helen Roberts and Lizzie Doland, \$300.00; Wm. A. Wroe, \$300.00; G. W. Young and Son, Insurance, \$50.00; Federal Land Bank, \$5.00; Stamp, 51c; Ada Store, \$2.07; Columbia Equipment Co., \$16.72, \$28.14 and \$111.64; Farm Bureau Co-op Exch., \$1.75 and \$1.94; Goin Lumber Co., \$8.32; A. C. Haag & Co., \$2.31; Harmon and Wakefield, \$27.15; J. E. Haseltine & Co., \$12.50 and \$31.18; Lamm's Store, \$2.20; Lopez's and Contractor's Equipment Co., \$27.64; Pacific Highway Garage, \$5.85; The Texas Co., Marshfield, \$96.04; Oakland Tribune, \$2.00; Pierce Auto Freight, \$11.17; Reedsport Machine and Boiler Works, \$6.20; A. O. Strickland, \$43.20; Umpqua River Navigation Co., \$48.00; Union Oil Co., \$71.48; Bureau of Labor, \$12.00; Myrtle Creek Mill, \$1.50. Total warrants issued for July, \$4475.37.

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