

Lime Applications Restoring Calcium to Soil Prove Values

Federal Offer Increases Use Payments in Soil Program Available; Hill Lands Benefit Especially

By C. GENEVIEVE MORGAN
Lime on farm lands in the Salem area has made almost unbelievable rapid advance this spring, due chiefly to the payment of \$3 a ton for lime by the 1937 soil conservation program. Under the federal payment, lime may be applied to any crop land though in actuality one of the main reasons for including the lime payment is to increase the growth of legumes, thus getting away from grain crops.

While no accurate check has been made on the number of Marion county farmers availing themselves of the lime payment—which represents about one-half the cost of lime per ton—it is estimated at the office of County Agent Harry Riches, through which the soil conservation sign-up has been handled, that between 300 and 400 farmers are putting lime on their soils under the AAA aid. In all, 2500 Marion county farmers have signed to take advantage of the 1937 soil conservation plan.

Hill Soils Need It
Practically every hill soil in this area needs lime, and to raise clover and alfalfa and even wheat, it is absolutely necessary to lime to raise a satisfactory crop. Much of the prairie soil in this area is being improved by the addition of lime, according both to commercial distributors of limestone and to information from the county agent's office.

River soils do not need limestone, and those farming on such lands should not consider use of lime. It is estimated that from 15,000 to 18,000 tons of limestone will be used in Oregon this year, as compared to the average use in past years of 4000 tons. In practice, this figure for the entire state is largely for western Oregon, where rainfall is greatest and acid condition of soils worst.

Earl Tucker, who represents the Gold Hill limestone agency here, says that no farmer applies lime without first making a test of his soil to be sure that lime is needed. Tests to this end are also advocated by the county agent's office and the state college experiment station. The experiment station, by the way, has a local bulletin on liming western Oregon soils which is available through Mr. Riches' office. Dallas limestone, handled locally through Hawkins and Roberts, and the product of the state lime plant, along with Gold Hill, are the chief commercial sources here.

Illinois Use Heavily
Limestone has been used for years in eastern states, and Tucker says that more than a million tons of limestone have been used annually in Illinois, where climate and soil are similar to Oregon's.

Calcium from limestone is made available either through burning or grinding. Fifty-six pounds of burned lime is equivalent to 100 pounds of ground limestone and to 74 pounds of hydrated lime.

Limestone is applied to farm land for several reasons: 1, to neutralize acids; 2, to loosen heavy ground or make it more friable; 3, to stimulate proper decomposition of organic matter in the soil and to make available other elements.

Leaches Out Rapidly
Lime in the soil is leached faster than other elements particularly where there is heavy rainfall. Loss by leaching varies from a few pounds per acre each year in soils that have already lost most of the lime to several hundred pounds per acre each year in soils rich in lime. Further, the state college experiment station has found that a five-ton crop of alfalfa removes between 300 and 500 pounds of lime from the soil.

In the Waldo Hills, where fine grain harvests were made for many years but no legumes grown, a high acid condition developed in the soil, nitrogen became depleted and production decreased.
Just to show what this condition really meant in Waldo Hills in loss of farm crops, one farmer who has limed his land in recent years and grown legume crops, reports an increase in wheat from 15 to 18 bushels per acre to 35 to 40 bushels.

Other sections are facing the same conditions. Soils that used to raise 5 to 6 bushels of clover seed per acre are now, without lime, yielding 1 to 3 bushels of seed per acre. Application of limestone would bring the yield back to the normal 5 to 6 bushels.
One farmer here, taking cognizance of the loss of land values by erosion and leaching, limed and planted perennial legume crops in his orchard to restore the land.

Lime Need Vary
General advice on liming soil is to start with an experimental acreage. Some local commercial representatives advocate from 1 to 3 tons of lime per acre, depending upon results of the acidity test; the state college experiment station has found one to two tons per acre practical in western Oregon. An initial treatment of lime will last seven or more years.

The state college finds that lime is best applied after plowing and should be harrowed in before seeding to legumes.

In Polk county, Tucker recounts that on a 10-acre trial of alfalfa planted on neutral ground—that is, land with the calcium content sufficient—40 tons of hay were harvested per acre over an eight-year period. Soil tests after the eight years showed that the land needed two tons of lime per acre—or in other words 100 pounds of calcium was used up for every ton of hay taken from the land in the eight-year period. In this

3 Killed in Southern California Plane Crash



A pilot and two passengers were killed and lives of residents imperiled when an old-type biplane crashed recently near San Marino, Cal. The victims were Fred Lobb, 29, of Pasadena; Frank Bannister, 30, of Monterey Park, and E. M. Patrick, 23, of Alhambra. The crash came shortly after they had taken off from Alhambra Airport on a joy ride. Photo shows wreckage resulting from the spectacular plunge.

More Than 60,000 Visitors Sign Register at Horner Museum on Oregon State College's Campus

OREGON STATE COLLEGE, June 19—More than 60,000 people visited the Horner Museum of the Oregon Country during the year ending June 3, 1937. It was announced here today by Mrs. A. A. Hull, curator. As evidenced by the records of the visitors who signed the register during the past year, the visitors have varied from 600 to 5,000 each month.

Many interesting articles and collections have been added to the museum during the year either as gifts or loans for an indefinite period. Brought around Cape Horn about 1830 and taken to the La-Follette family in Portland by a team upon landing, a huge old square piano, still in good condition, now resides in the museum.

Has Warrior's Bones
One of the college alumnus recently shipped the museum the bones of an Hawaiian warrior who is believed to have fallen during one of the famous 18th century wars. The bones were found several years ago during building excavations.

A more modern note is lent by a collection of myrtle wood articles and another of agates gathered from the Oregon coast. Included are many Oregon geological specimens. Mrs. Hull, who is always interested in donations or loans of articles old or new, has recently initiated the idea of borrowing materials for temporary exhibitions. Completing her first year as curator, she points out that this practice has been quite well received.

Started in 1918
The history of the museum itself dates back to 1913 when Dean J. A. Bexell of the school of commerce, joined with Elmer J. Brown, at that time an assistant professor of political science, in assembling articles from the classrooms on the third floor of Agricultural Hall. The late Dr. John B. Horner, then history department head, became enthusiastic and added his extensive private collection. Dr. Horner served as curator for 10 years until his recent death and he, more than any other person, was responsible for the rise of this highly valued state-owned museum. Two years ago the state board of higher education officially designated the museum, now located on the first floor of the Horner building, as the Horner Museum.

Farmer's Union News

MARION, June 19.—Delegates appointed from Marion Farmers Union local to attend the county convention to be held at Gervais Saturday, June 26th, are as follows: Mr. and Mrs. Robert Morgan, Mr. and Mrs. M. V. Phillips, Mr. and Mrs. Paul Nelsoy, Mr. and Mrs. Herman DeLaugh, Mr. and Mrs. Charles Hart, Mr. and Mrs. Grover Stevens, Mr. and Mrs. Warren Gray, Mr. and Mrs. F. E. Parr and Mr. and Mrs. Claude Overholser.

Teachers for Silverton High School Are Named

SILVERTON, June 19.—Jean Parman of Condon, Oregon State college graduate, will succeed Rosemary Larson in the commercial department of the local high school. Ellizabeth McPherson, Oregon State college, of Albany will teach in the home economics department and public speaking classes. Miss Dorothy Elliott, whose place Miss McPherson is filling, resigned to be married. Miss Larson has gone to Roseburg where she will teach next winter.

Berry Growers Saddened By Recent Heavy Rains

MARION, June 19.—Strawberry growers are disheartened over the continued rain, making harvesting a difficult task, besides causing some loss. The crop estimate is for not more than a 40 per cent crop. This condition was caused by the extremely dry fall and continued freezing during the winter which weakened the roots and injured the crowns of many plants.

Victim of Strike Outbreak



This striking photo, taken immediately after the riot which marked a C. I. O. union meeting at Anderson, Ind., shows one of the victims. Nine men were wounded and several score injured in the fracas.

Augsburg Singers Presented Today

Famed College Choir Sings in Field Auditorium at Silverton, 3:30

SILVERTON, June 19.—Silverton music lovers as well as visitors from surrounding communities are expected to attend the Augsburg college choir, known from coast to coast as a radio and concert choir, Sunday afternoon at 3:30 o'clock at the Eugene Field auditorium here. Last Easter morning the choir sang for an international hook-up.

Professor Henry Opseth, director of the choir, has selected as numbers for the Silverton concert:

Bach on Program
Group one, "At Thy Feet," by Johann Sebastian Bach; "All Breathing Life," Bach; "The Church Hymn," A. Gretscheloff; "Lost in the Night," Christiansen; "Blessing, Glory and Wisdom and Thanks," Bach.

Group two, "Who is Like Thee," traditional Hebrew melody arranged by Norden, solo, Norman Nyrvik; "Sunbeam Out of Heaven and the Christiansen," "Hear My Prayer," A. Kopylov; "Passion Motet," Gustav Schreck; "Hopodi Pomiliu," Lrovsky-Opseth. Group three, "Lover Den Herre," arranged by Christiansen; "Let Thy Blessed Spirit," Tschesnokoff; "Lullaby on Christmas Eve," Christiansen, solo Kathleen Oswald; "Wake, Awake for Night is Flying," Christiansen.

Bug and Tree Men Schedule Meeting

OREGON STATE COLLEGE, Corvallis, June 19.—Members of the American Pomological society and the northwest association of horticulturists, entomologists and plant pathologists will combine in a joint meeting here July 16 according to a telegram received today from B. S. Pickett, president of the American Pomological society, which is planning a tour of western states this summer.

Pickett, who is also head of Iowa State college at Ames, wired here yesterday that his group would plan to arrive in Corvallis in time to attend the last day of the annual H.E.P.P. meet scheduled for July 14, 15 and 16 on the local campus. At that time the two forces will join hands in a joint session.

Thirty-one topics have been listed for discussion by researchers of the northwest H.E.P.P. when they gather here next month. Horticulturists, plant pathologists and entomologists from four northwestern states will be on the Corvallis campus for this meet.

Observe Services For Arthur Kelly

WEST STAYTON, June 19.—Funeral services were held at the Christian church at Stayton Friday afternoon for Arthur Mitchell Kelly.

He is survived by his widow, Leona Kelly, two daughters, Helen and Bernice; two brothers, Nicholas and Ralph Stayton; a number of nieces and nephews. W. H. Lyman officiated.

Interment was in Welsner cemetery at Kingstons.

Courter Sells Interest In Store at Monmouth

MONMOUTH, June 19.—A. F. Courter, a partner in the Monmouth Hardware and Furniture store for the past 12 years has sold his interest and withdrawn from the firm. J. E. Winegar and his son, Claude, will continue to operate the business under the same firm name. This is one of the oldest commercial enterprises in town, having been started nearly 30 years ago by Edward and Lorence. Ed Lorence later sold out to Winegar and moved to Eugene.

Mrs. Roisen Departs for Husband in Minneapolis

SILVERTON, June 19.—Mrs. Bernard Roisen and son, Duane, and daughter, Martha, left Friday for Minneapolis, Minn., to join Mr. Roisen. Mr. Roisen is supervisor of Red and White stores in that district. Mrs. Roisen has been a guest of her parents, Mr. and Mrs. Albert Sather for the past several weeks.

Work Meeting Slated

SILVERTON, June 19.—The Lutheran Daughters of the Reformation will meet Tuesday at the social rooms of Trinity church for a work meeting. Mrs. Hans Jensen is in charge of the group during the absence of Mrs. M. J. K. Fuhr, adviser, who is visiting her mother in Minnesota.

Ladies Guild to Meet

SILVERTON, June 19.—The Ladies' Guild of the Immanuel Lutheran church will meet Wednesday night at the social rooms of the church. Mrs. C. E. Jorgenson and Mrs. Nels Henjum will be hostesses.

World Famous AKRON TRUSSES

Correctly Fitted We Guarantee Comfort and Security
CAPITAL DRUG STORE
405 State, Cor. Liberty

Wally Happy



The former Wallis Warfield was in gay spirits when she became the Duchess of Windsor. This excellent photo of the former Baltimore belle, taken as she started her honeymoon trip to south Austria.

Moose Drill Team To Be at Session

CORVALLIS, June 19.—Captain Lee M. Clark, veteran of the Spanish-American and World wars will bring his prize winning Portland drill team to Corvallis from July 30 to August 1 to perform at the annual Oregon State Moose association convention being held here this summer. It was announced by local Moose officers today.

During the past 20 years that Captain Clark has been training lodge drill teams, his squads have never failed to win a prize in contests they have entered.

Besides the lodge contests in which Clark's outfits have won firsts at the national convention of the Loyd Order of Moose several times, his teams have entered outside contests whenever possible. His latest triumph was during the Rose Festival held last week in Portland.

Fear for Life of Woman at Stayton

STAYTON, June 19.—(P)—Fear was felt here today for the life of Mrs. Minnie Missler, who disappeared from her home early this morning. On the bank of the mill race from North Santiam river searchers found her coat, overshoes and a flashlight. She was believed to be clad only in pajamas.

About 100 men were searching the mill race, the gates of which have been closed. Mrs. Missler, wife of Jake Missler, blacksmith and long a resident of Stayton, has been in ill health and recently underwent a surgical operation.

Tax Levy Increase To Be Voted Upon

MT. ANGEL, June 19.—The annual school election will be held in the auditorium of St. Mary's school Monday, June 21, at 8:00 p. m. One director for three years and a clerk are to be elected.

The question of increasing the tax levy will also be up for vote. The increase is to cover the additional cost of an extra teacher for the school next year and to provide means to erect a play shed for the school children. The amount to be levied is \$2500. The poll will remain open from 8 to 9 p. m. All legal voters are eligible to vote.

West Virginia Woman Visitor at Monmouth

MONMOUTH, June 19.—Mrs. Jessie Douglas of Huntington, W. Va., is the guest of her sister, Mrs. U. G. Hickey, and other relatives. Mrs. Douglas, then Miss Brown, first came to Oregon with the Hefflys in 1890 when they settled at Cooper Hollow, west of Monmouth. She has since made several visits to Monmouth. Her husband remained a settler and a son, Dick, remained as a settler. Mrs. Douglas will be joined by two women friends in a luncheon and the trio plan a trip to Alaska.

Talbot Women's Club Entertains Families

TALBOT, June 19.—The Talbot Women's club entertained their families Thursday night with an ice cream social at the Sidney schoolhouse.

The program consisted of a piano solo by Ruth Van Buskirk; reading, Mrs. G. M. Belknap; skit, Mr. and Mrs. E. B. Cochran. Mrs. Delmer Davidson had charge of the program.

SPECIAL SUNDAY DINNER
60c - 75c
Continuous Service
THE SPA

23 on Honor Roll At Oregon Normal

MONMOUTH, June 19.—Twenty-three students of Oregon Normal are listed on the first honor roll for the spring term, 1937, having earned a grade point average of 3.5 or better, carrying at least 15 hours of work. Curtis E. Gould and Jean Lucien Graham received a grade point of 4.0, having earned all A's. Included are:

Isabell Blair Armitage, Monmouth; Ormond Roy Aehl, Dallas; William H. Burk, Salem; Eva Lois Elswick, Brownsville; Jean Lucien Graham, Salem; Leaura Peters, Dallas; Mary E. Staats, Dallas; Eleanor Ruth Stayton, Stayton.

Second honor roll, for which a grade point average of 3.0 or better must be earned, included: Norman Allen, Monmouth; Max C. Dietrick, Monmouth; Lucille H. Fultob, Corvallis; Edna E. Grover, Independence; Everett Hockett, Dallas; Don William Hunt, Monmouth; Ivan William Ickes, Rickreall; Virginia Layton, Monmouth; Edna M. Schrock, Woodburn; Oleya M. Speall, Lebanon; Clara Syverson, Independence; Gladys M. Tutill, Lyons.

Poindexter Rites Observed at Scio

SCIO, June 19.—Funeral services for Joseph H. Poindexter, 78, were held at Providence church, near Scio Saturday afternoon and interment was in the family plot at that place. The Rev. Henry Albers of Albany officiated.

Poindexter was born near Eugene June 28, 1858, and spent his entire life in this state. He had lived in the Scio community a half century, having previously spent some years at Corvallis and Lebanon. He was united in marriage to Pansy Garland in Scio November 13, 1887.

Surviving are the widow and a son, Lawrence Poindexter, of Scio; a daughter, Mrs. William Garland, Albany; James Poindexter, a brother, at Hubbard; three sisters, Mrs. Cola Gaines, Crabtree, Mrs. A. C. Gaines, Portland, and Mrs. Louisa Charlton, Harrington, Wash.

Little Garden Group Rambles Through Set Of Beautiful Gardens

SALEM HEIGHTS, June 18.—The Little Garden club went on a garden ramble, Thursday afternoon. Gardens which were visited were the Frank Miller garden, noted for its beautiful lawn and terraces; the H. S. Gile garden, with its lovely forest background and naturalistic pool; the Roy Burton garden, which is beautifully kept; the C. A. Kells garden with rockery, roses, and pool; the R. D. Cooper garden, which contained a wide variety of unusual perennials; the H. E. McWain garden, with lovely roses, flowering shrubs, and a new fireplace; and the Alvin Stewart garden with beautiful columbine as the center of interest.

Club members present were: Mrs. Roy Burton, Mrs. R. D. Cooper, Mrs. H. S. Gile, Mrs. C. A. Graham, Mrs. C. A. Kells, Mrs. H. E. McWain, Mrs. Frank Miller, Mrs. Grover Sherman, Mrs. Alvin Stewart, Mrs. Alice Prescott and Mrs. Myron Van Eaton.

Silverton Artisans Have New Slate of Officers

SILVERTON, June 19.—Officers elected at the Wednesday night meeting of the Artisan lodge are: Master Artisan, Mary Davis; superintendent, Henry Degler; inspector, Blanche Bennett; senior conductor, Jessie Egan; junior conductor, Beryl Fletcher; watchman, Verlin White.

Other officers will be appointed by the Master Artisan. Installation has been set for June 23.

FREE Amazing Treatment for Stomach Victims
This may lead to relief worth hundreds of dollars. Get UDDA, based on stomach specialist's prescription. For stomach pain, gas, heartburn, stomach ulcers, and other distress due to excess acid. Try a package of UDDA. If not delighted, the few cents paid will be refunded. At Perry's, Capital and all drug stores.

MODERN DENTAL PLATES OF ALL MAKES
OVER 15 YEARS PRACTICE FILLINGS, CROWNS, EXTRACTIONS, BRIDGES
DR. HIGGINS DENTIST
Over J. C. Penney Store
Tel. 6824

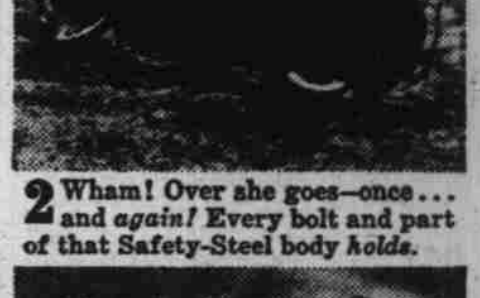
Early Acquires Station
SILVERTON, June 19.—Allen Early of Salem has taken over the management of the Signal Service station at the corner of Lewis and Water streets. Mr. Early acquired the station this week from Lester Capps also of Salem.

TESTS SHOW WHY YOU ARE SAFE

YOUR FAMILY NEEDS THE PROTECTION OF DE SOTO'S 5 GREAT SAFETY FEATURES



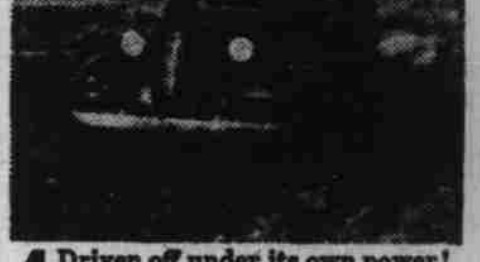
1 Daredevil driver deliberately locks wheels to turn over... at high speed... in an unusual test.



2 Wham! Over she goes—once... and again! Every bolt and part of that Safety-Steel body holds.



3 Upside down she lands! But that big, one-piece steel top can take it! The frame stays true.



4 Driven off under its own power! At new, lower prices, you can own this safer, stronger car.

YOU GET ALL THESE GREAT FEATURES

- 1 New 93-H.P. "Economy Engine."
- 2 First Complete Sound-Proofing.
- 3 14 Rubber "Float" Body Mountings End Vibration, Rumble.
- 4 "City Ride" with 4 New "Aero" Hydraulic Shock-Absorbers.
- 5 The First Safety Interior!
- 6 Easy to Buy! Lower Prices. Official Commercial Credit Company Finance Plan.

DE SOTO
NOW PRICED JUST ABOVE THE LOWEST
PRODUCT OF CHRYSLER CORP.
W. L. ANDERSON INC.
360 Marion Ph. 7703