

WHY LIME HELPS SOME SOILS AND NOT OTHERS

Farmers of acid soils have often wondered why liming increases the yield of crops on some acid soils and does not on others. Investigations by the O. A. C. experiment station chemists have developed the fact that increases may be expected wherever the calcium forms combinations with humus bodies.

Since the composition of the soil solutions is a governing factor in plant growth, the effect of lime on the composition of these soil solutions may be an index to the inconsistent action of limed acid soils, says the report of the chemists. The solutions from various acid soils were analyzed at successive intervals after liming with calcium carbonate, calcium oxide or calcium sulphate.

The analyses showed that nitrates increased in those soils that respond to lime treatment, large quantities of soluble potassium were caused in all soils treated with calcium sulphate, the calcium content remained nearly constant whatever the treatment, soluble phosphorus decreased slightly under all treatments, and sulfo-fication occurred in all soils treated with the carbonate and oxide forms, while acidity was present in untreated soils and those treated with the sulphate forms.

These findings fortify the soils department findings that drainage of wet lands and incorporation of organic matter in rundown lands should precede extensive liming. They do not indicate any lessening of the use of lime, but do go far to establish the soundness of Dean Cordley's recommendation that every farmer of acid soils conduct lime experiments to see whether his soils will respond and then govern his orders for lime accordingly.

REAL ESTATE TRANSFERS

Alexander H. Anderson and wife to Dale L. Fowler 30 ac S Angell dlc t 5 sr 3 w \$4000.

Barbara E. Austin to Emma O. Pope 13 blk 3 O T Newberg \$10.

Andrew Armstrong and wife to Andrew M. Kendrick and wife 13 blk 5 Edwards' 2nd add Newberg \$2200.

First National Bank of Newberg to Mary Jones 12 blk 5 City Park add to Newberg \$10.

Erich Becker and wife to Geo. R. Smith and wife 81.91 ac Geo. Myers dlc t 2 sr 3 w \$8000.

A. J. Bewley and wife to Phillip M. Bewley 142.56 ac Sheridan Heights t 5 sr 6 w \$10.

Eva M. Bertram to Geo. A. Kidd St and wife 1 1/2 ac of west end M. E. church property Dayton \$2000.

Eva M. Bertram to Geo. A. Kidd Sr and wife 16 and 8 blk 3 and se 14 ft 14 blk 3 Lippincott's 1st add Dayton \$750.

Ida B. Bond and husband to W. S. Hibbert and wife 60 ac Stewart Hanna dlc t 4 sr 3 w \$10.

Rosa M. Buehler to Siena Oldenburg and husband 75x120 ft city of Newberg \$2100.

Arthur G. Carter to Ambery U. Grace 2 sm tr Lafayette t 4 sr 3 and 4 w \$10.

Walter L. Hembree and wife to C. H. Farmer 117.56 ac T. L. Turner and Francis Holdridge dlc t 4 sr 3 and 4 w \$18500.

B. F. Henry and wife to R. W. Henry 11, 2, 3, 7, 8 and 9 blk 18 Chamarrow add Sheridan \$10.

R. W. Henry and wife to J. L. Payne and W. A. Ivie 1-2-3-7-8-9 blk 18 Chamarrow add Sheridan \$10.

J. A. Hollingsworth and wife to J. E. Rea 5 ac Wm Jones dlc t 3 sr 2 w \$10.

James Howard and wife to Lee Lindsay and wife nw 1/4 nw 1/4 s 20 t 4 sr 5 w \$100.

John Hyder and wife to John E. Bell 5 ac Wm Chapman dlc ex 30 ft rdwy t 5 and 6 sr 6 w \$10.

W. W. Howett to J. E. Cornett and wife w 65 ft blk 20 Hurley & Large's add Newberg \$10.

Sarah L. Kinney to Maud Morebach 20 ac S. Kinney dlc t 3 sr 3 w \$10.

B. A. Kliks and wife to Crissie M. Scott and husband 1 and 3 blk 4 Deskin's add Newberg \$2700.

Oma E. Lapham and husband to Wm R. Stokes 1020 ac known as the Fletcher Lands t 5 sr 7 w \$100.

Mary E. Lambert et al to Grace A. Stater and husband 100 ft 1-13 and 14 east of creek Cozine's add McMinnville \$2600.

Bertha Lehmkuhl and husband to S. Hansen 2 sm tr city of Sheridan \$10.

D. R. Livengood and wife to Wm E. Clark and wife sm tr city of McMinnville \$2500.

George W. Mallory and wife to Chas. J. Swingle and wife 3.24 ac Joseph Robertson dlc t 3 sr 4 w \$648.

S. H. Maris and wife to J. E. Gilbertson all blk 14 Baker & Martin's add McMinnville \$10.

John S. Martin et al by exr to Henry Lee Fletcher 52.48 ac I. M. Johns dlc t 4 sr 4 w \$6560.

Henry O. Miller and wife to C. O. Wickham s 1/2 w 1/2 blk 18 Cozine's 2nd add McMinnville \$500.

Frank Noble and wife et al to Gardner W. McClaffin and wife Tract 49 and sm tr adj Hurley's Subd \$2500.

Claud M. Oviatt and wife to M. C. Hirsch Tract 13 East Sheridan Subd \$10.

Wm H. Patterson et al by admr to J. L. Stewart und 1/2 int 18-19-20-21-22 and Goodrich street Alva P. Macy's 1st add Dayton \$1500.

G. W. Pettit and wife to C. H. Skaggs and wife 10 ac Wm Branson dlc t 6 sr 7 w \$1250.

T. J. Pribble and wife to N. B. Woodward and wife 10.277 ac A. Covert and Wm Logan dlc t 3 sr 3 w \$2250.

S. D. Richardson by sherr to S. D. Richardson 47 1/2 x 113 ft city of Newberg t 3 sr 2 w \$964.34.

S. D. Richardson to Wm Mainwaring and wife 47 1/2 x 113 ft Newberg \$10.

Mary F. Rich et al to R. Wenger and wife 4 ac s 33 t 2 sr 3 w \$10.

John M. Root and wife to John D. Conway and wife 40 ac D. D. Bayley dlc t 3 sr 3 w \$10.

A. T. Samuels and wife to C. L. Fowler and wife 35.35 ac E. Cooper dlc t 5 sr 3 w \$5000.

Geo. Schatz and wife to Frank B. Wire 4 ac Wm Jones dlc t 3 sr 2 w \$2000.

No. 7537 Report of the Condition of The First National Bank of Newberg.

In the state of Oregon, at the close of business on February 28, 1920.

RESOURCES

Loans and discounts, including rediscounts	\$311,998.14	
Notes and bills rediscounted	20,000.00	\$291,998.14
Overdrafts unsecured		252.97
U. S. Government securities owned:		
Deposited to secure circulation (U. S. bonds par value)	40,000.00	
Pledged to secure U. S. deposits (par value)	5,000.00	
Pledged to secure postal savings deposits (par value)	1,000.00	
Pledged as collateral for State or other deposits or bills payable	10,000.00	
Owned and unpledged	54,550.00	
Total U. S. Government securities		110,550.00
Other bonds, securities, etc.:		
Bonds (other than U. S. bonds) pledged to secure postal savings deposits	3,500.00	
Bonds and securities (other than U. S. securities) pledged as collateral for State or other deposits (postal excluded) or bills payable	16,000.00	
Securities, other than U. S. bonds (not including stocks), owned and unpledged	52,104.24	
Total bonds, securities, etc., other than U. S.		71,604.24
Stock of Federal Reserve Bank (50 per cent subscription)		1,850.00
Value of banking house, owned and unincumbered		19,700.00
Furniture and fixtures		6,000.00
Lawful reserve with Federal Reserve Bank		27,297.88
Cash in vault and net amounts due from national banks		31,427.41
Net amounts due from banks, bankers and trust companies		107.18
Checks on other banks in the same city or town as reporting bank		2,271.04
Total cash and due from banks		61,103.51
Checks on banks located outside of city or town of reporting bank and other cash items		511.67
Redemption fund with U. S. Treasurer and due from U. S. Treasurer		2,000.00
Interest earned but not collected—approximate—on Notes and Bills Receivable not past due		957.25
Total		\$566,527.78

LIABILITIES

Capital stock paid in	\$50,000.00
Surplus fund	13,000.00
Undivided profits	5,729.32
Less current expenses, interest, and taxes paid	3,424.10
Interest and discount collected or credited, in advance of maturity and not earned—approximate	340.00
Amount reserved for taxes accrued	1,000.00
Circulating notes outstanding	40,000.00
Certified checks outstanding	1,000.00
Cashier's checks on own bank outstanding	8,122.76
Total certified and cashier's checks	9,122.76
Individual deposits subject to check	293,493.21
Certificates of deposit due in less than 30 days (other than for money borrowed)	1,211.41
State, county or other municipal deposits secured by pledge of assets of this bank	24,290.55
Other demand deposits	1,061.64
Total of demand deposits (other than bank deposits) subject to Reserve	320,056.81
Certificates of deposit (other than for money borrowed)	81,201.26
Postal savings deposits	2,842.41
Other time deposits	44,842.07
Total of time deposits subject to Reserve	128,885.74
War loan deposit account	1,200.00
Other United States deposits, including deposits of U. S. disbursing officers	1,200.00
Liabilities other than those above stated, interest earned but not collected	617.25
Total	\$566,527.78
Liabilities for rediscounts, including those with Federal Reserve Bank	20,000.00
State of Oregon, County of Yamhill, ss:	
I, R. P. Gill, Cashier of the above-named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.	
R. P. GILL, Cashier.	
Subscribed and sworn to before me this 8th day March, 1920.	
C. R. Chapin, Notary Public.	

My commission expires December 6, 1923.
Correct—Attest: W. H. Woodworth,
E. C. Baird,
George Larkin, Directors.

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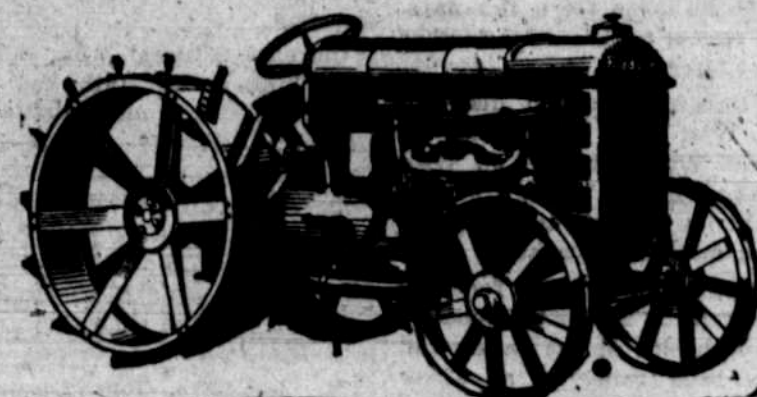
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