VITAL CHEMICAL ANALYSIS OF D. M. S. & B. LIME, RARE MINERALS, METALLURGY, CHEMISTRY

Rock Phosphate Departm

(Reprint, April 11, 1921, Los Angeles

Times.

TORRANCE, March 25.—Question. Reply to yours to Walker, our superintendent, Torrance Lime and Fertilizer Company. Herewith large samples; shark teeth, tusks, bones, etc., found in same deposit.

Answer: Correspondents will read with pleasure that the greatly desired rock phosphate will, in all probability, be an added asset to the mineral wealth of California.

Today, after running down many reports, and in analyzing many minerals from the mining boys in the hills, we find it is probable that California will be in a position to mine phosphate rock in sufficient tonnage to meet all requirements.

will be in a position to mine phosphate rock in sufficient tonnage to meet all requirements.

The samples sent to us from Torrance are rock phosphate running fairly high in phosphoric acid. They are of blackish-brown color, and from their worthless-looking appearance, at sight, have probably been unnoticed for, lo, these many years.

IN REFERENCE TO D. M. S. & B. LIME

Reprint, May 9, 1921, Los Angeles Times.

There are, however, many localities in California and in Arizona where the phosphate content is around 20 per cent tricalcium phosphate. These deposits will be referred to in this column later, when properly examined, with reports and analyses had and obtained.

TORRANCE ROCK PHOSPHATE
Reprint, May 23, 1921, Los Angeles
Times.
Los Angeles, May 7.—Q. This lot
of specimens is from same bank
where dark-colored samples occur,
with many samples from the same cut
in the marine shell bank. Fossil deposits on display at Guaranty Bank.
A. The previous samples sent to
this department for tests were of
blackish-brown colors. The last consignment of specimens consists of five
different varieties, massive and granular, and chiefly yellowish-white in
color. All of the minerals comprising
the last shipment of five big packages
run fairly high in phosphoric acid.
Let us hope that the entire deposit
will turn out to be rock phosphate.

RARE MINERALS, METAL LURGY, CHEMISTRY, PHOS-PHORIC ACID PRESENT

The Los Angeles Times, Monday Morning, September 12, 1921.

Morning, September 12, 1921.

TORRANCE, Aug. 21.—Question. Sample A is light clay from top strata. B, medium clay, middle strata. C is black clay from bottom strata. These samples are from same deposit as previous samples; sharks' teeth and vertebra in above material. Can you advise if organic matter and nitrogen still exist with phosphoric anhydride, potassium, sulphates, sulphides, barium? A new thought is presented in connection with the matter, in that it may have the same action on plant life that radium has on human.

TORRANCE LIME AND FERTILIZER COMPANY—P.

Answer: The new thought you suggest is probably barium present, and it is noted that you do not refer to calcite, silicic acid or fluorine.

We have heretofore reported in this column that the two, first and second lots of specimens received from you, were rock phosphates, and now we give you the results obtained on the third and last consignment of samples, not only by the editor of this department, but by his associates also, as follows: The three samples—A, B and C—all react for phosphoric acid, sulphur, and potassium. Samples B and C, from lower strata, react from itrogen and other organic matter and no definite tests were made for baryte (baryta).

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Little Nugget Ranch.

May 11, 1921.

It is with pleasure that I recommend the use of Torrance Line, handled by F. L. Sexton, to the orange growers of Orange county. I saw a marked improvement in color of trees in a few days after first irrigation. The orchard took on a rested appearance, larger leaves came along and greener foliage. It held its fruit until the late market picked in October, that is, more than half of its crop, looking just as though it had "been on a vacation." I had used a liberal amount of fertilizers and the lime seemed just what the trees were looking for. I am well pleased with its results and feel it is the right step for one who aspires to be a successful orange grower.

(Signed) EVA L BEATEN.

Cof. Prospect and Fairhaven Ave.

Sincerely,
(Signed) EVA L. BEATEN.
Cor. Prospect and Fairhaven Ave.
Santa Ana, Cal.

VITAL

A MESSAGE TO THE SOIL CULTIVATOR

Awed Mystery Surrounds

The Immediate Activity, The Penetrating Availability The Wonderful Productivity of

Organic D. M. S. & B. Super Lime Fertilizer

Calcium Carbonate, Phosphoric Acid, Sulphur and Potash

Marvelous results obtained from this Ancient deposit of soil vitalizer, from which fossils of animals of the most gigantic size known to man have been removed, cause users to ask: Is it Radio-Active?

They like it so well the news is nation-wide; Our quarry is working overtime and orders are filled in turn of receipt. Without lime there can be no life, either animal, plant or human, and D. M. S. & B. Lime is Super-Lime.

ABSORB THE THOUGHT! Throw out the D. M. S. & B. Lime line and get in the front ranks of agricultural prosperity

GREEN'S ART STORE

825 South Hill Street Los Angeles

September 26, 1921.
Torrance Lime & Fertilizer Co.,
Lomita, California.
Attention: S. Maus Purple, Mgr.,
Dear Sir!
In response to your inquiry about
results obtained by using the D. M. S.
& B. Lime Fertilizer purchased from
you some three months ago—
It is a pleasure to assure you, your
fertilizer has given far greater results
than any I have used previously; it
has not only greatly increased the
growth of all my vegetation but has
caused a more sturdy growth and better production.
My best wishes for the success in
the promotion of such a clean, odorless, and "as you say" Available Fertilizer, I am,
Yours sincerely,
(Signed) LEO GREEN

Yours sincerely,
(Signed) LEO GREEN.

May 2, 1921.

On account of its accessibility, adaptability, availability, to all growth and high analysis D. M. S. & B. Lime is the most economical lime obtainable in Southern California, if not

LOS ANGELES CHAMBER OF COMMERCE 128-132 South Broadway Los Angeles

May 2, 1921.

Mr. Lee Hawkins,
Moneta, California.
My dear Mr. Hawkins:

I would like you to deliver at 125
Satsuma Street, Eagle Rock City, two
tons of your shell lime fertilizer if
possible Saturday morning, the 7th, or
the 14th of May. If this is impossible,
would appreciate your notifying me a
day or two before delivery, that I may
be enabled to have a man ready to
receive it.

Yours very sincerely,

(Signed) GEO. P. CLEMENTS, M. D.,

BLACK CLAY

BLACK CLAY

Los Angeles, Aug. 11th, 1921.
Organic Matter 10.00%
Nitrogen (N) 0.40
Water Soluble Potassium
Oxide (K₂O) Trace
Sulphates (SO₂) Present
Sulphides Present SMITH, EMERY CO.,
Chemists and Chemical Engineers.

USE D. M. S. & B. **FERTILIZER**

The Izzer of the Day

Speaking recently to a newspaper reporter, Thomas A. Edison said: "We have in this country an enormous capacity to invent super-machinery. But our desire to install the device is very, very weak. Human inertia is the problem, not invention. Something in man makes him resist change. He clings to his old processes and habits, rather than scrap them for something ten times more productive."

Supply 10 laws in this country an enormous capacity to invert super-maniferry. But our desire to install the device is the problem, we is investined. Something in man makes him resist cliance, the elings to his old processes and here in the super-maniferry to the problem, the country of the problem, and the problem with the problem of the problem, and the problem of the problem in the problem of the problem

There once was a young cabbage plant Who said, "On good looks, I could bank

bank
If some lime they'd apply;
Otherwise I shall die."
And a victim to club root it sank.

FRANK C. YORK

351 Norton Avenue Los Angeles

Says in part—
Dear Mr. Purple:

If you will drop around I will show you a new lawn produced without top soil or barnyard fertilizer—she is 3 weeks old and a fine baby. I used 5 sacks of your product.

Sincerely yours,

Los Angeles, Cal. August 6, 1921.

Mr. S. Maus Purple, General Manager, Torrance Lime & Fertilizer Co.

I want to express to you my appreciation for the wonderful D. M. S. & B. Lime fertilizer which I received

ciation for the wonderful D. M. S. & B. Lime fertilizer which I received from you.

On the 28th of June I applied less than 15 lbs. to a two-year-old walnut tree in my yard and to date, namely, 6 weeks, it has produced more healthy growth than it had produced in the entire two years.

It seemed to be the exact fertilizer necessary and surely has produced the most marvelous growing demonstrations that I have ever witnessed. Indeed it is very marvelous.

Furthermore all of the floral vegetation to which I applied it has taken on a very healthy growth and presents a beautiful rested appearance.

It is a most marvelous product.

With my very best wishes for the success of this most wonderful product, I am,

Yours always for D. M. S. & B. Lime Fertilizer.

(Signed) MRS. EMMA R. BEALL.

1836 Middleton Place.

Los Angeles, Aug.8,1921.

e front ranks of agricultural prosperity		Bin.
	Hom lams of agriculated prosperty	Acid Insoluble Matter
	Constant Section of the Constant of the Consta	Aluminum Oxide (AL2O2) 0.71
	LIME-ER-ICKS	Iron Oxide (Fe ₂ O ₃)
	There is a young farmer named Sime, Who practices using some lime. "After clover," says he "There will nitrogen be." And his fields remain fertil a long time. There once was a young cabbage plant Who said, "On good looks, I could bank"	Sodium and Potassium Oxides (NA ₂ O, K ₂ O) Trace Phosphonic Anhydride (P ₂ O ₂) 0.74 Carbon Dioxide (CO ₂) 38.25 Organic Matter Trace SMITH, EMERY CO ₃ , Chemists and Chemical Engineers.

100 Per Cent American Drugs

S. O. BARNES & SON DRUG SPECIALISTS

Gardena Cal.

Specialties:
Medicinal Oils, Cerates, Tablets,
Green Plant and Normal
Tinctures

Mr. Lee Hawkins, Moneta, Cal. Dear Sir:

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