

THOMAS J. LEHAY, Editor.

VOL. XLIII.

TERMS--If paid strictly in advance, \$2 per annu...

AGRICULTURAL. From the Working Farmer.

LETTER OF ADVICE ON THE ANALYSIS OF A SOIL.

Table with 3 columns: ANALYSIS, No. 1, No. 2. Lists organic matter, silica, alumina, iron and manganese, lime, magnesia, sulphuric acid, phosphoric acid, chlorine, potash, soda, carbonic acid.

1st. Organic Matter.--This deficiency must be supplied in considerable quantity...

2d. Lime.--This amendment need not be added separately, as it will find its way to the soil...

3d. Sulphuric Acid.--This amendment will be supplied by the compost recommended below for this year's use, marked A.

4th. Phosphoric Acid.--See compost A. 5th and 6th. Chlorine and Soda.--Both chlorine and soda...

7th. Potash.--This amendment can be readily applied by the use of wood-ashes...

post, for which purpose it should be added at the time of composting with the salt and lime mixture.

You need not attempt to add the whole required quantity to your soil in one, two, or three years...

200 lbs. of Peruvian guano, composted with 150 lbs. of bone-dust previously dissolved in dilute sulphuric acid...

12 bushels of charcoal dust. The above should be together one week or more before use...

100 lbs. of guano, gain by corn \$2 75, loss \$0 85. No. 2. " " " 4 00 " " " 3 37 1/2 " 1 22 1/2. No. 3. " " " 2 30 " " " 3 37 1/2 " 1 67 1/2.

By mixing the guano I wished to put on one acre at 60 lbs., to the bushel...

These facts have induced us to recommend its use for those who had not a sufficient quantity of manure on their own farms...

pearing quite dry and indeed when the soil of them, as by mixture with lime, potash or soda...

Under these circumstances we endeavored to induce capitalists to manufacture the required article largely, and to supply farmers at a fair price...

Sandy or light loams which require compaction, may be plowed in spring before they become perfectly dry and powdery...

For the last four years we have made free use of phosphate of lime in all the known forms...

Mr. Editor:--There may be some of your readers who are so unfortunate as to have their potato crop affected with rot in the early portion of the crop to a great extent...

Cartage of 20 half-cords of stable manure for 2 miles, at 75 cents per cord...

By the use of super-phosphate of lime and guano, it is fully equal in effect to 40 half-cords of stable manure, and it may be carted and spread in one load at one time...

of its ammonia till a more powerful alkali displace it, then, as by mixture with lime, potash or soda, the volatile ammonia is liberated...

GREAT CROPS OF CORN. "To show what an American soil and climate have done, and are capable of doing, we give below a statement of the premium crops of corn grown in Kentucky in the year 1850..."

Notice will be given as soon as the new manure is ready for sale. Working Farmer.

Plowing heavy soils when wet. Sandy or light loams which require compaction, may be plowed in spring before they become perfectly dry and powdery...

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before he could vote for appropriations to pay the expenses of this expedition, he desired to know its object and purpose.

Mr. Gwin said he was opposed to the resolution. The expedition to Japan was one of great importance, and he hoped it would be sent out. It was one of great importance and would result in great benefits...

Mr. Gwin gave notice that when the bill came up he would move to strike out Mr. Whitney's name. He was opposed to Whitney and to Whitney's plan. The bill was ordered to be printed.

Mr. Baxter said that he would not vote for the resolution. He considered it as a matter of public policy, and he considered it as a matter of public policy...

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how impolitic it would be to interfere in the world of the object of this expedition, if it had any special object.

Mr. Mangum subsequently withdrew his motion, at the request of Mr. Shields.

Mr. Shields hoped Mr. Bayard's amendment would be agreed to. The instructions to commanding officers ought to be considered confidential.

Mr. Mangum renewed his motion, and it was rejected as follows: Yes--Messrs. Badger, Brooker, Charles, Cooper, Dawson, Fish, Foot, Gwinn, Hale, Mangum, Miller, Motion, Gwyn, Smith, Thayer, Wadsworth, Williams, Wells, &c.

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