### Agricultural.

LIME USED WITHOUT KNOWLEDGE, AND ABUSED WITHOUT REASON

(From the Farmer's Library and Monthly Jour. of Ag.)

There are few things about which practical fariners have more differed or been more puzzled. than about the efficacy and value of linesome affirming it even to be worthless, others regarding it us the great paracea for all the ills that afflict the husbandman. For much of that diversity of experience & opinion, Mr Norton, of Yale College, the accomplished Professor of Chemistry, as applied to Agriculture, thus briefly and readily accounts.

"I would not for an instant be thought to undervalue practical experience; its results have been great and important, and in many cases Science has only followed to explain what Experience has before dise wered. But the process of discovery by experiment alone, is always pain fully flow, because the experimenter has no clear perceptions to guide him. In many cases, er rors and inexplicable differences of opinion arise, because results of an opposite character are obtained by individuals in the same neighborhood.

"I once attendeded a meeting of a Farmer's Club in Ayrshire, Scotland, where the subject of discussion was Lime. All were from the same neighborhood, and all used lime, but scarcely any two agreed in their estimation of its effects. Some considered it one of the most valuable manures employed, and others condemned it entirely. The discussion was perfeetly satisfactory in its termination, each person being only confirmed in his own opinion The true explanation of their differences consisted in the fact, that the soils of their district were derived from the decomposition of two spe cies of rock, the one of which abounded in time. while the other was almost entirely destitue -This was a case in which experience gave no information us to the course most advisable in individual cases. Expensive experiments were necessary in each instance, and after all this expenditure of time and money, no general or useful result was arrived at But on the other hand, theory alone is almost as objectionable as practice alone. Results obtained in the la borntory or on paper, are by no means to be considered as applicable to practice until tested by experience Ignorance of this fact has led some of the most emment philosophers into deplorable errors, and has caused many practical men to regard scientific Agriculture us but another name for quackery. The only true course is to unite practice and theory, guiding and explaining each by the other. The utinost possiblo advance would then be made in both directions, because all experiments would be for definite ends, and guided by clear, intelligent views.

"When we attentively consider the princi in a connected form, we perceive that they are not only simple, intelligible and practical, but also beautiful. That endless chain which joins the dead earth to the living plant, the plant to the animal to the earth again, is even sublime in its unceasing series of changes."

We may add that we have known farmers

who have, in the beginning, been most charmed by the effects of lime, who afterward began to doubt, and at last condemned it as an exhaus. This has been because they have lookedto it to supply everything; and when their lands have been exhausted of other things necessary to the growth of their crops, instead of supplying these other things, they have turned indignantly and unjustly upon the lime, because it has not continued to do what it never could and never promised to do. All this is explained by that eminent and profound agricultural writer, Von THAER, and by others.

WHAT SCIENCE IS TOING FOR AGRICULTURE IN

The reader may form some idea of this, when it is seen that chemical investigation has undertaken to determine, with confidence, and with an accuracy sufficient for all useful purposes, quantity of food necessary to produce one pound of slesh, and the cort of its production, according to English prices. This last we omit, on account of the difference between English prices and ours, leaving every reader to ascertain the cost, according to the value of the food in his own neighbourhood, or on his own estate;-

25	poun	ds .	f milk furnish d	ne n	ound o	f flesh
100	do	of	turnips		do	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
εŅ	ďΩ	oſ	potatoes	•	do	
5Ü.	do	ol	carrots		do	
4	do	of	butcher's ment	free	from	fat or
	Don	e, f	urnish I lb of flo	esh.		
g,	מנוסח	ls o	fastmesi farnich			.502

9 pound	s of o	atmeni furnish <i>one</i>	nound of Re
7 I-10 r	do		
7 4-10	ф	of bread	do
7 4-10		of flour	do
3,1	do	of peas	do
3:2-10	do	of beans	do

Table showing the approximate value of valous kinds of food as fael to sustain animal

A'lbs potatoes contain I lb earbonneeous fuel. 10 lhs, carryts li lbs fl do 11 do harloy meal

17-10 ternips

da

H lbs eximeal, 1 lb carbonaceous fuel. 13 10 lbs beaus 1 9 10 do peas do bread 11 9 10 do milk

JEWISH MODE OF SLAUGHTERING CATTLE

This mode is so humans and considerate, that for that, if nothing clse, the disgraceful impedi ments and nabilities which provent their full enjoyment of all political rights, ought to boexpunged and done away with forever A sharp kmfe-so sharp, indeed that the least notch in the blade would render it unlawful to use it for the purpose—is drawn across the throat of the beast, which causes instantaneous bleeding to death. The rabbinical laws as to the smoothness of the blade are remarkably stringent, less any bluntness may cause the animal unneces sary pain.

INFLAMMATION OF THE THROAT CURED BY ALUM—Powdered alum, applied by the tinger to the part affected, very seldom fails to cure inflammation of the throat in a lew days. The efficacy of this remedy." says the author, "is as of 732 pag is marvellous as it is capid; employed in the first. Testimonial second, and fourth, day, while there is yet no abscess on the tonsus, it ar esis all symptoms as it were by enchantment; the fever abates, the swelling diminishes, the appetites returns, and convalescene is quite complete."

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