THE FARMER'S JOURNAL.

choi ce of an improved Breed, producing culture mostly all possible improvements. at the least cost, beef, work, wool or milk ? Therefore we only want farmers in sufficient How will he justify the choice of his numbers, in order that the new methods implements in the large collection now offer- submitted to experience, should definitiveed to us by rural engineering? The best ly enter in the agricultural pratice. answer to these questions will be found in the definition of the husbandman " who can only observe the given rules, of which he is not bound to know the reason and connexion "

provement to introduce, there must be an abstraction or a routine, and the country agriculturist to suggest it... and a farmer to which will have the greatest number of apply it ... Afterwards when experience shall these men, will make the most rapid imbave proved it to be good, labourers will provements in the cultivation of its soil adopt it for their profit. France, Germany These are the men we have to produce !.. and England are justly proud of their agri- A glance at the following table of Agriculculturists, whose well known fame and works tural studies, will give us an idea of the speak highly enough of them. These scien- difficulties we have to meet.

will the farmer, the husbandman, rely, in the | tific men have already suggested to agri-

But let us not be deceived ; the duty of the Farmer, to be well fulfilled, requires infor mation such as a serious study only can give.

He says Gasparin, directs the enter-Therefore, wherever there will be an im- prise ; without him, Agriculture is only an

TABLE OF AGRICULTURAL STUDIES.

A. ACCESSARY SCIENCES.

Овј	ECTS OF STUDY.	NAME OF TECHNOLOGICAL	DERIVING FROM THE PURE SCIENCE THE NAME OF WHICH IS FOUND BELOW.
	1° Cosmological		
Soil	{Its proprieties as to its culture. Powers and implements to till it	Agrology	Mineralogy.
	(it	Mechanics applied to agri- culture	Mechanics.
Means of making up substances wanted by the soil for the com- plete nutrition of vegetables.	Their selection, combination, preparation, relative value &c	Science of manures	Chemistry
•	Means to give it to the plants, to supply the natural mois- ture; means of getting rid of the superfluous mois- ture	Hydraulics applied to agriculture	Hydraulics.
Meteors, heat, light, moisture	vegetation	-	-
of the different countries	in vegetables and crops		Architecture.
Animals in their relations with	Domostie enimals their break	Agricultural zoology	Zoology.
agriculture	ing, rearing and use		Zoology.