ined for want of suitable food and skilful genal management! If the master's eye grazes a ox, assuredly it should not long be diverted in the fold if he would avoid that "one bad which every fleekmaster knows too well itake many a good one to recover. tely been held important to our national prosnly to attempt the acclimatization of the Aln to be determined yields us an illustration, t even the Ichu grass-its avorite herbage in m-was found indigenous on the va t grazing ands of the Australian continent, and the mate brings the animal to earlier maturity in South America; and so the animal and retable are in adaptation. While we wish the nect good success, still, as British farmers dful of the old tradition, we should seek to up the tottering wool sack with larger supplies British wool; thus modifying our systems in aformity with the probabilities of future proand the requirements of the community at ge. Considering the almost universal depennce of man on one important tribe of plants fer to the cultivated grasses-and also the be of grasses as fodder for cattle, hardly and to that of corn for human food, it is one the most interesting of all subjects to follow ir distribution, which is determined not mereby climate, but depends on the civilization, 'astry, and traffic of the people; and often torical events.

Within the northern Polar circle agriculture found only in a few places. Only in Europe, t, Lapland, does the Polar limit reach an unlly high latitude (70 degrees). Beyond this, ed fish, and here and there potatoes, supply place of grain. The grains which extend hest to the north in Europe are barley and 3. These, which in the milder comates are tused for bread, afford to the inhabitants of northern parts of Norway and Sweden, of a of Siberia, and Scotland, their chief vegele nourishment. Rye is the next which beassociated with these. This is the preggrain of the northern temperate zone. Siberia buckwheat is cultivated. In the zone ere rye prevails wheat is generally found, ey being here chiefly cultivated for the manture of beer, and oats for horses. To these e follows a zone in Europe and Western where rye disappears, and wheat almost exwely furnishes bread. The middle or south France, England, part of Scotland, part of many, Hungary, the Crimea, and Caucasus, of America, also the lands of middle Asia, the agriculture is followed, belong to this & In the eastern parts of the temperate of the old continent—in China and Japan on northern kinds of grain are very unfre-nt, and rice is found to predominate. In th America wheat and rye grow, as in upe, but more sparingly. Asia is the native try of rice, and America of maize. Both

these grains are found in nearly equal quantity in Africa. Besides rice and maize, there are in the torrid zone several kinds of grain, as well as other plants, which supply the inhabitants with food. In the islands of the South Sea grain of every kind disappears, its place being supplied by the bread fruit tree and pisang plantains. In the tropical parts of New Holland there is no agriculture, the inhabitants living on the produce of sago and various palms. In the high lands of South America, there is a distribution similar to that of the degrees of latitude. Maize grows to the height of 7,200 feet above the level of the sea, but only predominates between 3,000 to 6,000 feet of elevation. Below 3,000 feet is associated with the pisang (plantain) and yams, batatas, and the bread-fruit; while from 6,000 to 9,260 feet the European grain abounds-wheat in the lower regions, rye and barley in the higher. Potatos alone are cultivated from 9,000 to 12,000 feet. To the south of the tropic of Capricorn, wherever agriculture is practised, considerable resemblance with the northern temperate zone may be observed. the southern parts of Brazil, in Buenos Ayres, in Chili, at the Cape of Good Hope, and in the temperate zone of New Holland, wheat predominates; barley, however, and rye make their ap-pearance in the southernmost parts of these countries, and in Van Diemen's Land. In New Zealand wheat is grown to advantage. The natives did subsist chiefly on the Acrastichum fur-Hence it appears that, in respect of the catum. predominating kinds of grain, the earth may be divided into five grand divisions or kingdomsthe kingdom of rice, of maize, of wheat, of rye, and, lastly, of barley and cats. The first three are the most extensive, the maize has the greatest range of temperature, but rice may be said to support the greatest number of the human race. "Nor," says Johnson, "is a knowledge of the capabilities of a country for producing plants less important with reference to its popu-Comparing Naples with Norway, for example, we find that the effect of climate is such as to render the harvest five times more productive in the former than the latter, while in consequence the population is twenty-five times more dense, in proportion to its area, in Naples than in Norway."

It is a remarkable circumstance that the native country of wheat, oats, barley, and 1ye should be entirely unknown. Though oats and barley were found apparently wild on the banks of the Euphrates, it is doubtful whether they were not the remains of cultivation. "It is an observable fact," continues Johnston, "that those plants of the grass tribe, the seeds of which furnish food for man, follow him like domestic animals. The reason is, that none of the corn plants can bear seeds that will yield a large quantity of flour without a good supply of phosphate of magnesia and ammonia. Hence these plants grow only in a soil which contains there