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RYE.

Some authors contend that this grain is a native of Crete, while others appear to question whether it is to be found wild in any country. One thing is certain. we have at present but one species of it, (Secule cercule) common tye, and all its different varieties, of which there are a considerable number, are characterized by no botanical characteristics, but simply "by some differences," which are assumed to have resulted from certain methods or peculiarities adopted in their cultivation.

those of a closer and more ponderous fore —get in your marker than two days too late. texture. "It is," says Von Thaer, in his Principles of Agriculture, "the only grain "Spring tye is a variety of autumnal that can be cultivated on a soil containing "ye." "Both varieties acquire their disthat can be cultivated on a soil containing 'rye." "Donn varieties acquire that can be cultivated on a soil containing 'tinctive appellations in the same way as eighty-five parts of sand in a hundred, or autumnal and spring wheat do." We always called tye land. Soils containing less than eighty-five parts of sand are also adapted for the cultivation of tye." promise, with proper attention and care, Some of the most luxuriant crops of 13e what, in the New England States have Archanger Rye, an or which are, called Pine Plains land -that is, those less, valuable varieties, as are, also, the far-stretching and extensive tracts of level. Wallachian Rye, and a certain other value the small. land which produce originally the small riety introduced of late from the Russian in their pristing condition, pooler and area the celebrated Von Thaer. To us, howcultivated. From the peculiar constitu-tional character of the staple of these soils, as well as from the peculiar constituas well as from the nature of the subsoil on which they repose, they are admirably APPLICATION OF LIQUID years. I have had land eight years with calculated to withstan I the effects of drought. A single operative will sink a I must first be understood to say, when well in a day, and when water is once, I mention liquid manure, I do not mean obtained you have a fountain that rarely; water that runs from the daughill when if ever fails. On such soils rve can ever and as often as there is a shower of

so banefully upon certain other cereals, urine of every animal, both man and beast, wheat and barley for instance, does not from which it can be caught in a pure injure rye. "The degree of preparation state, decomposed in a close tank, and bestowed on the soil." remarks a distintent mixed with a definite quantity of guished author, "and the nature of the water to dilute it according to the appearop which precedes the rye, are not of the plant for which it is required. so much consequence as those points Liquid manure of the kind I have descriwould be it wheat were to be sown. A bed I consider the very highest fertelizer sandy soil, such as is best fitted for the in use for all those grasses which have production of tye, requires less ploughing fibrous roots, and I should avoid using t and working than those adapted for the for all those with tap-roots, having found

consequently a considerable economization of time, and a saving of much fatiguing labor to both man and beast,'

In cutting this grain care should be had that the operation be not too long deferred. We have known many farmers who had for years cultivated this grain extensively who always cut it just as it was turning from the milky to the indurated state. The same practice is now being extensively applied in harvesting other grains. The finest flour is said to be made from wheat cut in the milk. That very considerable accessions are made to It has been grown more or less exten-sively in various countries from time im-sively in various countries from time im-since in a manner we will here mention. memorial, and is regarded as approximation. It chanced, in getting in our hay crop, ting more nearly the character of wheat that we found ourself under the necessity than any other grain. On the Continent that we found oursen under de than any other grain. than any other grain. On the Control of cutting a passage way through a beautit is far more extensively call readed than tiful piece of oats, then just beginning to wheat, and is considered as a more cuttiful piece of oats, then just beginning to tain and lucrative crop, requiring less care oats bundled and deposited, after being oats bundled and deposited, after being than the property of the control of the in the cultivation and less manure. In made, in the barn. On tying them, we England it is not considered as cutatled noticed that the heads appeared to be full, to the honor of a rank among bread studs, and on threshing, found that a given and is deemed of less value to the culti- amount of the early cut oats, yielded vator than barley, peas or oats. In Rus-sia and Germany it is extensively raised, late cut ones. The straw, as a winter and may be considered as the bread corn feed, was of course worth twice as much. For the cultivation of this grain, whe riable rule the maxim inculcated by Caro summer variety, is much more successful in reference to this matter. "Oraculum on light, sandy and fine soils than on esto ount cutus, quant contains on light, sandy and fine soils than on tere"—get in your harvest too days too

have had recently introduced into this country several varieties of rye, which to become valuable accessions to our hus-Some of the most luxuriant crops of 15e bandry. Of these we may enumerate we have ever seen, were the produce of St. John's Rye, Norwegian Rye, and what, in the New England States, are Archangel Rye, all of which are, doubt-called Pine Plains land -that is, those Archangel Rye, all of which are, doubtstanted pitch or yellow pine of the North. Provinces, bordering upon the Baltic, Were it not for the forests of these trees, known to the Germans by a name that which so densely clothe the soil of these may be rendered by the term Bushy Rye, vast expanses, they might well be denor. The three first varieties some contend are minated sand prairies, for so fat as innate identical, and of this opinion we believe is m their pristine condition, pooler and ever, they have appeared to be distinct I have, on several occasions, grown, in tion of soil known at the North But varieties, and such, indeed, is the opinion warm weather, a yard of grass in height. tion of soil known at the North. But of many who have cultivated them, and m 21, 24, or 26, days, as thick as it could when cleared, they are easily broken, of many who have cultivated them, and in 21, 22, or 20, 4030, as the land, of dehctors and by a judicious course of management, who purchased them of seedsmen who well stand upon the land, of dehctors and by a judicious course of management, would not be likely to be mistaken in quality, so that an incredible number of mistaken in purchased them of seedsmen who become extremely valuable, producing, would not be likely to be mistaken in in the first place, most luxuriant crops of he allots for firstly for the Res. be able to furnish an article for the Farboth winter and summer rye, and, after-wards, corn, potatoes, wheat and hay, the cultivation of this grain, but am pre-with all the variety of vegetables usually vented at present for want of time.—

MANURE.

if ever fails. On such soils rye can ever and as often as there is a shower of rain; nor yet water that runs from water-the presence or predominance of deleterious acids in the soil, which operate in a tank in the centre; but I mean the results in the results in the centre; but I mean the results in th

by the dressing; while upon the latter (the tap-rooted,) it is entirely wasted. To the stronger of the fibrous rooted grasses, the Italian rye-grass, cocksfoot, tall out-grass, foxtail, catstail, and a few others, one part of urme, and two of water, will be found to agree and produce a most rapid growth; to the more delicate meadow-grasses I would dilute with five or six times the quantity of water, I am certain they require it much more diluted and I give five or six times the quantity at random, because I have not carried out the experiments with regard to them to so correct a rule as I have with the stronger, not thinging it worth while to grow the smaller when I can have the larger bulk of excellent food. Of all the grasses, I have selected my plant of Itahan rye-grass as being so far superior to f them all, that no comparison can be drawn as to the quantity and quality of (food; with this fact clearly deduced, I have become a grower of Italian ryegrass, as exclusively as my farm covenants will allow me to carry it out. I have increased my quantity of land every year for its growth, and have dramed and redrained the interior of my building three times, just as I have been convinced of the value of urme. I have added to my tank accommodation every year, and have now begun to cover entirely my straw yards, that so far as I have completed the work, no surface water can fall upon my animals, or dilute their urine. I began with growing a few ye ds of my plant, I grow now 45 acres, during the last three years, have every year cut some portion of my land, seven, eight, or nine times, with, generally speaking, large crops. My mode has been to dress my land, which is a strong clay (badly underdrained) with the London house rubbish, (old mortar) plough my land, and make it as fine as possible in spring or autumn; sow it by a broad-cast barrow machine, with two bushels of seed to the acre, or with fear by the hand, and allow the grass to grow about 18 or 20 inches high, when if I wanted the grass I cut it and dressed it with my liquid manure by a water cart passing once over it, leaving it for another crop, and so on to a fresh piece every day, and watering every day that I had cut. animals have been kept in the house upon a few acres of land from March till November. This grass remains in the land two years, and should then be ploughed up; may be sown again with the same, and succeeds admirably for a term of only one change between the crop.

fine a crop of oats upon the land following the Italian rye-grass as I ever saw, to the astonishment of agriculturists from various parts of the kingdom. I have made an experiment upon a foreign barley with liquid manure, the result of which has astonished me so much that I ultimately succeed in producing two crops of grain from the same plant during an ordinary warm summer. [William Dick-

(the fibrous rooted,) are much benefitted RULES FOR BREEDING GOOD STOCK.

> Perhaps there is no department in the whole range of agricultural operations in Maine, if not in the United States, in which so little or regular system, or, indeed any thing of system at all, is adopted, as in the breeding of stock. There are very few indeed, who try to study, and who actually know the merits and demerits of the stock that they have, and who strive all in their power to improve where defective and save those points that are excellent. But these individuals are so few indeed, that they are hardly enough to form an exception when com-pared to the whole. The art of breeding good cattle is one of no small importance, and one, too, that requires much talent, experience and judgment. Allen, in his Herd Book, quotes the remark of a veteran Short Hoin Breeder of England, who observed that there were an hundred men fit to be Prime Minister, where there was one ready good judge of cattle.

> The rules absolutely requisite for breeding good animals of any kind, are few in number, and very simple in detail. But nevertheless it requires much judgment to carry them out in such a way that there dall be a steady march of improvement instead of a deterioration.

> The following, which appeared in the American Agriculturist four years since, are to the purpose, and will be easily understood.

> 1st. When better materials do not exist, or the person wishing to make the improvements has not the means of going abroad for so doing, choose from the best natives at hand for this purpose.

> 2nd. But, when it is possible to do so, obtain thorough beed males of the proper kind from superior improved stocks, to cross on to native females, and so continue breeding up the grade females to the thorough bred males.

> 3rd. Be very careful in a thorough bred stock to use no male which is not at least equal to the females, and if he can be found superior so much the better, for this will ensure still further improvement, if possible, in the progeny.

We gave, in our last number, a comprehensive description of what may be ronsidered good points in stock. When the young farmer has become familian with them, he can thus have in his mind a standard by which he can compare the animal before him, and, by practice, thus mature his judgment: by following the above rules he will become a skillful breeder. He must first know what a good animal is, before he attempts to improve, and then he can take hold with some advantage in the business of breeding, and follow it understandingly and profitably.

THE WHEAT CROP.—PREDICTION OF ence to the coming wheat crop.

"The wheat crop must be looked to. I am not a dealer, nor interested in it. other than as un eater of bread. But the scab will be found to effect the grop in 1817 to such an extent that a great scarcity of good flour will prevail. The scale is also an epidemic at times. It will spread over the whole of this country in have no doubt diligent corn farmers will 1847, '48; will appear in Europe this year and in '48, and spread over the whole of that continent. It will take the usual course of all vegetable epidemics, from west to east-that is, it commences in on, 7, Curzon-street, May Fair, Lon- in America, and will reach the eastern production of other grains, and there is by practical operation that the former don, March 1.- [Eng. Farmer's Herald, world. Nearly all, if not all, animal epi-