AGRICULTUR AL.

[From the New England Farmer] CARMER'S WORK.

relative to the exact period in the growth of the hay and turn it the next day; and so on grass for hay, when it is best to cut it. Sir till it be sofficiently dried, doubling the cocks John Sinclair asserts that a in all cases clover if signs of rain appear. It will not commonly ought to be mown before the seed is formed, take more than two or three days to dry it, that the full man and many the second is second to the second in the se that the full juce and nourishment of the unless it bevery green or uncommonly thick plant may be retained in the hay." But in and rank."

"Memoirs of the New York Board of Agriculture," Vol. 11, p. 30, it is asserted that all and French farmers is to expose hay as little the grasses are most nutritions if not mowed as possible to the sun. It is carried in dry, till the seed is fully grown. It should not be but preserves its green color; and hay of two entirely ripened however. The Farmers' Assistant also asserts that the best time for ent- would searcely conceive it to be cured. ting herds gra s [timothy] where but one crop they preserve it for years, and value it the is cut in the season, is when the seeds of the more for its age. In Scotland the best managrass are fully formed, but before they have gers disapprove of spreading out clover or rye become fully type; but as farmers cannot all out their hay in a day or two, it is necessary that they should begin before that time that rant. they may not end too long after it. The same time is also proper for cutting clover; the subject of curing clover in the swarth or rather when a part of the heads begin to without spreading. The Albany Cultivator turn brown. Fowl meadow or herds grass recommends substantially the Scotch method,

If it is proposed to mow a piece of grass land twice in a season, the first crop should be cut earlier than when it is moved but once, not only to give a longer time for the growth of the second crop, but to present the roots of the grass from being too much exhausted in producing the first crop when it is proposed to save the seeds of red clover it is particularly important to cut the first-crop-early, so that the second from which the seeds are usually procured may be the sooner ready for cutting ın autumu.

Some regard should be had to the weather, in cutting grass for hay, especially if that grass is clover, which requires much attention and favorable circumstances to fit for the mow or stack. If the weather is wet, or the season presents what farmers call a catching spell, clover, we are told, will stand a fortnight without sustaining any material injury by the shedding of the leaf or the blossom; for the sime weather which renders it improper to mow this grass continues it in a growing state, and prevents the bloom from withering or disappearing.

It has been stated by good practical cultivators that if grass when mown is carefully turned every day, it will injure but little. Turn ug it every day prevents its becoming mouldy and of little value.

There are various modes of making bay described by animors, and practised by cultivators. The following is perhaps as correct as any. Let the farmer be at his mowing early in the morning, cut down as much as possible by nine or ten o'clock, by which time the dew will generally be off; then spread the moved grass evenly, and about tweive turn it over where it lies tirck; in the afternoon rake it into winrows, shake it up lightly that it may be the better exposed to the air; towards sun-most of their would germinate. The germ-down make tinto neat small cocks, and let it mation of beet seed is much accelerated and ficiently dry, shake it out again on a small space of ground, and turn it over till it is dried, them to remain in it for twelve hours. then cock it again, and as soon afterwards as possible drawit in.

salt is more than fourfold its value.

for the labor and cost, a good way of hay-Grass for hay should not be cut too early, making would be for the hay-maker to follow or before it has obtained its growth; for if re- at the heels of the mower, at least as soon as drying. Agriculturists, however, do not agree make it up into cocks before night, open and loss .- Gen Farm

> grass hay, the more the swarth is kept unbroken, the hay is the greener and more frag-

There is, however, difference of opinion on may be cut much later without being that by or the curing of clover hay without spreading long standing.

[the swarth. But a writer for the N. E. Farmer, with the signature W. B. whom we know to be a judicious practical farmer, objects to attempting to cure clover in the swarth or in cocks. He says, "all directions for making hay in this country without the sun, are worse than useless. Clover, like other hay, to be good for anything must be dried in the sun; care should be taken not to waste the leaves, and much more not to waste the stalks. Cut it when rank, as soon as half of it is headed out; give it nearly three days of sunny weather, and depend upon it, your cattle will eat both statk and leaf, and fatten ou it.

> GERMINATION OF SEEDS .- There is a complaint frequently made by those who purchase their garden and other seeds, that they do not grow; and hence it is inferred that unripe and inferior seeds are put up to increase the sales, and consequently the profits of the gardener and the seedsman. This inference may in some cases possibly be correct; but that it is so in all cases where seeds do not grow, is evidently wrong; for no fact is more clearly ascertained, than that good seeds do not always germinate. Two things are indispensable to the germination of seeds-heat and moisture. if either of these is absent, the process must be suspended. It follows as a necessary consequence, that seeds planted so deep that the rays of the sun cannot influence then, must remain in a state unfavourable to their growth; and if planted in a soil where there is warmth but no moisture, the same result will ensue. Some seeds have a costing so hard that they rarely grow under ordinary circumstances. The man who should condemn his locust seed because they did not grow, when planted without preparation, would only maintest his ignorance. by pouring boiling water upon them, allowing them to stand 48 hours, he would find that water nearly at the scalding heat, and allowing

The application of the above principle may assist J. D. in determining the cause of his

the benefit which the lay derives from the it we have rarely had a seed fail, and we hitherto purchased of the seedsmen. In all possible Dr Dean observed as follows: "Were it not eases however, farmers should raise their own seeds, they can then chose their favorite varieties, and be certain of their kind and quality. The saving of seeds requires but little time or moved too soon it will shrink very much when the dew is off, and spread the swarths evenly; labor, and frequently prevents serious trouble

> WINTER WHEAT .- The season is now so far advanced that a tolerable conjecture may be formed as to the state of the wheat crop, and the effect produced upon it by the past winter. From our limited observation, and from what we have been able to learn from various sources, it appears that in what is called Western New York, which is emphatically the wheat district of the state, the wheat has suffered to an extent quite equal to what was first apprehended. The western counties extending to Wayne and Seneca, may expect a medium crop-in Wayne, Sences and Cayaga counties there is much wheat that promises well, but as a whole, it has been a good deal thun-ned, and many pieces entirely destroyed while further east, in Onondaga, Oswego, Madison and Oncida counties, the wheat has suffered still more extensively. In the most favorable sections of Onondaga, where the crops have rarely if ever failed, but few first rate pieces are to be seen; while in the less favorable sections hundreds of acres have been totally destroyed, and have been ploughed up for spring crops.—The same remarks, but in a greater extent, are applicable to Madison and Oneida.

Wheat in our winters suffers from two causes, extra warmth and extra cold. The first is generally produced by a covering of snow to such a depth as to exclude the action of the atmosphere on the earth, take the frost from the ground, and by thus producing an unnatural and premature effort at vegetation, causes the death of such imperfectly rooted plants as wheat and rye; but which under favorable circumstances remain with their leaves green through the winter, and are consequently ready for the first exening impulses of vegetable life. Such plants differ materially from those in which the leaf perishes, and only the root retains its vegetative power, in wheat this power in the leaf is only suspended, it is not destrayed and approaches to the suspended animation sometimes observed in animals, and occasionally in man. If the vital powers of the plant are called into exercise before the means of renewing the waste caused by the effort can be provided, the plant so excited must perish; and when wheat is smothered by the great body of snow, as it has been the past winter, precisely this effect is produced. Excluded from the external cold by the covering of snow, the internal heat of the earth, soon bamshes the frost, the root of the plant rouses from its torpor, but the leaf is in an exhausted receiver, it cannot act, the revivifying influence of the air does not reach it, and leaf and root must consequently perish-When the snow vanishes the leaf looks green, but the sun soon makes it white and dry. The other way in which wheat is killed in the winter, is by being frozen out of the earth.-Gravelly or sandy soils rarely or never suffer in this way, as the porous earth allows the water to escape and prevents the adhesion of remain so a day or two. If it be not then suf- rendered more certain by the application of the surface, without which the wheat plant cannot be lifted out of the ground. Almost every one has noticed the beautiful columns of frost work, which in low wet spots are formed by the freezing of the water, and gradually But in order to save much trouble in dry- failure in germinating the mangel wurtzel. hit the loose surface to the height of several ing hay, the application of from four to six! Our experience in the cultivation of this root inches, where the clay in the soil is in suffici-quarts of sait to the ton is recommended. It has not been very extensive, but perfectly sa- ent quantities, an adhesion of the particles is found that hay thus saited, can be well saved tisfactory, and we have found no more difficulty takes place; and the surface, with the roots of In a much better state, and at the same time than in growing the common beet. In sowing wheat, rye or clover in it, is gradually lifted