# Agriculture.

#### STOCK FOR NOVA SCOTIA.

It is the intention of the Board of Agriculture to make an importation of thorough bred Stock this season. The animals will probably arrive in time to be sold during the half-yearly meeting of the Board in October. This years' importation will consist of about six Short-Horn Durham Bulls, two Ayrshire Bulls, two Devon Bulls, twenty White Chester Boars, and ten Sows of the same breed.

It was intended that a deputation from the Board should attend the forthcoming Fair at Fredericton, for the purpose of making purchases, but after due enquiry it appeared that there was no Stock likely to be offered there superior to that which we already have in Nova Scotia. It is therefore contemplated to purchase at the great Canadian Exhibition, to be held at Toronto, and from breeders of known repute in the Western Peninsula of Canada.

In accordance with a desire expressed by the Legislature. a portion of the Stock will be sent down to Cape Breton, and the Board will, if possible, make arrangements for having them sold at Baddeck, as the most convenient and central part of that Island.—Journal of Agriculture.

#### TURNING DOWN GREEN CROPS.

It has got into the papers that ploughing down green crops produces acid in the soil from the decomposition, which is hurtful to crops, that it is better to turn under when the crop is matured, that the decomposition will then be slower, and no hurt will result.

This is doubtless true with some soilsthose deficient in alkaline matter. But as most soils contain lime and potash, and other kindred material, this acid is not only harmless, but beneficial, as it unites with the alkalies, making plant food, which otherwise might lie, as it already has for ages, useless to vegetation.

It is for this reason that the turning under of green crops is so highly recommended, not because its chemical action is known, but because experience has demonstrated its advantage. The great majority of cases have demonstrated that it is a good thing to turn down the full, blossoming, succulent crop. The alkalies are almost always present in some form to take up and unite with the acid. In soils where the acid remains free, would it not be well to sprinkle the clover with lime before ploughing, or previously apply it to the soil? In such a case, lime would be a benefit in any event, as the soil requires it. -Utica Herald.

### THE MOUTHS OF PLANTS.

Rev. Lyman Abbott gives these interest-

ing facts in Harper's Weekly: The root constitutes the plant's mouth. It terminates in a little sponge. The sponge drinks up the moisture from the surrounding earth. Every boy has seen in the woods the roots of some tree, planted by the birds or the winds in the crevice of a rock, wandering down the sides of the great boulder in search of nourishment. Dr. Davy tells of a case in which a horse-chestnut growing on a flat stone sent out its roots to forage for food. They passed seven feet up a contiguous wall, turned at the top, and passing down seven feet on the other side, found the needed nourishment there, which their own barren home denied them. Thus closely does the instinct of vegetation imitate the wisdom of the animate creation. In another instance, narrated by Malherbe, an acacia threw its roots across a hollow of sixty-six feet, to find its labors rewarded by the discovery of a well of water into which they plunged, and from which they drew the food it so much needed. What strange sense drew them toward the water rather than toward the rock or the sand?.

WHEN a horse refuses to eat he should not be made to do any more service that day, for it may be known that he is tired out or sick. It is barbarous to compel a horse to perform labor when in such a condition that he refuses grain; yet it is often done, and by men too who think they are merciful.

In Mr. Merrick's new book on the strawberry, he describes 850 distinct varieties.

One nursery firm in Ohio plant 150 bushels of chestnuts yearly for the raising of timber trees.

### MESSENGER ALMANACK.

### September, 1870.

New Moon,		J.N.	*	25th, 2b. 20m. morning.  MOON   High Tide		
		Sets.	Rises	South.		at Halifax
1 Th.	4 27	6 32	A. 26	5 11	9 56	11 24
2 F	4 29	6 30	1 28	6 6	10 45	morning
3 Sa.	4 30	6 28	2 34	7 3	11 32	0 11
4 SU.	4 31	6 26	3 36	8 0 8 56	morn 0 24	2 25
5 M	4 32	6 25	4 26 5 13	8 56 9 50	1 28	3 53
6 I'u	4 33	6 23	5 51	10 41	2 25	5 14
	4 34 4 36	6 19	6 23	11 29	3 31	6 15
8 fh.	5 37	6 17	6 49	morn.	4 35	7 5
and any	5 38	6 15	7 15	0 14	5.39	7 44
10 Sa .	5 39	6 13	7 38	0 58	6 40	8 21
2 M	5 40	6 12	8 1	1 40	7 42	8 53
3 Tu.	5 41	6 10	8 25	2 22	8 43	9 25
4 W	5 48	6 8	8 51	3 4	9 43	9 54
5 Th	5 44	6 6	9 21	3 47	10 42	10 24
6 F	5 45	6 4	9 55	4 32	11 43	10 57
7 Sa	5 46	6 2	10 35	5 19	A. 42	11 30
SSU.	5 47	6 0	11 23	6 8	1 41	A. 12
9 M	5 49	0.58	morn	7 0	2 36	1 6
0 Tu .	5 50	5 66	0 17	7 52	3 26	2 27
1 W.	5 51	5 55	1 20	8 46	4 12	3 53
22 l'h.,	5 52	5 53	2 28	9 40	4 15	5 10
23 F	5 53	5 52	3 40	10 34	5 28	6 6
24 Sa	5 54	5 50	4 54	11 27	The second secon	6 54
25 SU.	5 55	5 48	6 10	A. 20	6 29	7 33
26 M.	5 56	5 46	7 27	1 13	6 49	8 13
27 Tu	5 57	5.44	8 44	2 7	7 30	8 55
28 W	5 59	5 42	10 1	3. 3	8 4	9 35
29 Th.	6 0	5 40	11 17	4 0	8 42	10 17
30 F	6 1	5 38	A. 28	4 58	9 28	11 1

THE TIDES .- The column of the Moon's Southing gives the time of high water at Parrsboro', Cornwallis, Horton, Hantsport, Windsor, Newport, and

High water at Pictou and Cape Tormentine 2 hours and 30 minutes later than at Halifax. At Annapolis, St. John, N. B., and Portland Maine, 3 foundland, I hour earlier, than at Halifax.

FOR THE LENGTH OF THE DAY .- Add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising.

FOR THE LENGTH OF THE NIGHT .- Subtract the time of the sun's setting from 12 hours, and to the remainder add the time of rising next morning

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