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ect of Guano in the Soil at Various Depths.

Some very interesting experiments, having rtant practical applications, have recently made in Belgium, with this valuable fertil ; and which go to show that guano is more ficial when put into the soil to the depth of or four inches, than when merely mixed the surface as is commonly the practice. remember seeing last year on a farm in the tern section of Upper Canada, a large field of ps manured with Guano ; in one portion manure had been deeply incorporated with soil; in the other it had been merely scratch in with a light harrow on the surface. In other respects the management was the same, the turnips were decidedly better in that of the field where the manur had been more oughly and deeply intermixed with the It is now well known that it is dangerous ix guano and the seed together, as he vital of the latter becomes endangered by actual

Germany it is usual to deposit guano, on two to three inches deep ; and it is no by this practice that the efficacy of the re is always real and important. On the ery when spread on the surface it is found exercise comparatively little benefit. The Agricultural Society of Prague has insti some carefully conducted expirements, which it is inferred that guano should be worked in three or four inches deep. This method is best when the manure decomposes in the soil without the assistance of the atmosphere, but not with stable manure, bone-dust, &c. The more easily decomposed manure, such as the nitrates of potash and soda, must not be buried too deep, or they will be rapidly carried into the subsoil by rains, or into under-drains where they are formed, and thus a large portion of the manuring power will be lost.

We subjoin the results of some experiments made by M. Flockhardt, at Tharand, during the years 1857 and 1858, as reported in a recent number of the *Journal de la Societe Centrale d' Agriculture Belgique :—*

1857 Depth.	Produce per Hectare, 290 Kilogrammes of Guano per Hectare		
	Winter wheat.	Winter Rye.	Buts.
	Kilogr.	Kilogr.	Kilogr.
1. Putting in with seed	2690	2203	7402
2. From one to two inches	2644	2203	7102
3. From two to three inches	4142	2077	7848
4. From three to five inches	4670	2500	8108

1858. Depth.	Effect the second year without new manure.			With new manure
	Buts	Winter Rye	Winter Barley	Winter Barley
1. By one turn of harrow with seed	3966	3349	1058	2027
2. From 1 to 2 inches	3613	3525	1704	2654
3. From 2 to 3 inches	4886	3877	2115	2655
4. From 3 to 4 inches	5025	4230	2908	3264

"The effects mentioned in these are very feeble on account of the state of the atmosphere during