

perspiration, thirst, exhaustion from slight exertions, debility. A strong manuring with predominantly animal offal is for plants planted in a soil deficient in certain minerals what a predominantly animal diet is for men. If we look at men who live in the country almost altogether on food difficult of assimilation of bread, vegetable and fruit, we observe a far more quiet bodily activity, little perspiration, little thirst, great and continuous muscular power. It is similar with plants when we offer them again their original nutriment, direct them to the appropriation of mineral constituents and give them organic manures or nitrogen only in small quantities and as a secondary matter. In both cases the constitution will be more normal, freer from parasites (diseases). If we notice in agricultural journals the enormous expenditures for advertising artificial manures it may be known what a gain these factories yield, and the mind grows sad at the wealth withdrawn from German farmers who even without this are so hard pressed.

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For diminishing the distress as to fodder, we do not need as the troubled farmer is advised in another journal, to use artificial manure: superphosphate and Chili-nitre or superphosphate of nitrate of potassa for the meadows; superphosphate of nitre with acid phosphate or with phosphate of lime for the clover-fields; fresh stable manure and liquid manure, Chili-nitre, superphosphate of potassa or superphosphate of nitre for Indian corn for the horse, etc. The pen and compositors object to the twenty-fold repetition of the wonderful compound fertilizers. We recommend for the meadows, ashes of every kind, and for the root-fields, street dust, and in general for the