



# THE JOURNAL OF AGRICULTURE AND HORTICULTURE

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THE  
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## The Farm.

### DEEP AND SHALLOW PLOWING.

Would you advise deep or shallow tilling of the soil as a rule? And please give season for your answer.

N. S.

Little Valley, N. Y.

There is no one rule for plowing that will apply to all kinds of soil (nor year after year on any soil.) If a light, deep mold is to be plowed, one that contains an abundance of stored up fertility and good under drainage, then a very shallow furrow will be found sufficient. If, on the other hand, the soil is a heavy, tenacious clay, deep, heavy furrows are turned so as to bring the under soil to the action of light, air and frost, thus rendering the soil more friable and easily worked; also to get the advantage of the action of the nitrifying organisms. If the soil is a light loam with a heavy, water-tight subsoil, and allow the rain water to percolate through the upper layers and thus prevent accumulation of water in the upper layers; but, on the other hand, the bringing to the surface of an infertile clay by deep plowing, will frequently seriously damage the fertility of the surface soil. There are too many varying conditions of soil to enable one to say that either deep or shallow plowing is preferable. The farmer must adapt his methods to the quality of his soil, and plow accordingly. Ex.

### MANGELS AND SUGAR BEETS.

What is the difference between mangels and sugar beets for dairy cows?

H. A. B.

Normandy, Mo.

Mangels and sugar beets contain the following per cents of digestible nutrients: