

Stirring Bio-Dynamic Preparations

Biologisch-Dynamische Präparate rühren

Rudolf Steiner's Proposition

Just before spraying it out, Horn Manure and Horn Silica should be stirred for one hour in water, preferably by hand: „You must make sure, however, that the entire contents of the horn have been thoroughly exposed to the water. To do this, you have to start stirring it quickly around the edge of the bucket, on the periphery, until a crater forms that reaches nearly to the bottom, so that everything is rotating rapidly. Then you reverse direction quickly, so that everything seethes and

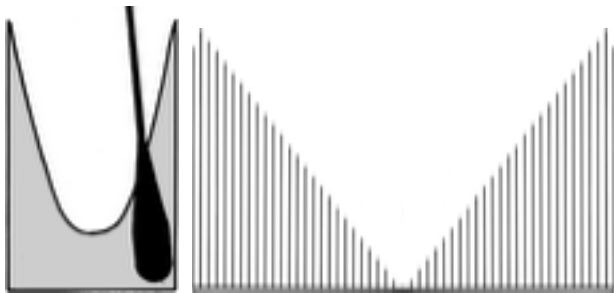
starts to swirl in the opposite direction. If you continue doing this for an hour, you will get it thoroughly mixed.“

„It is very important to get a thorough and intimate mixture; simply pouring the stuff into the water and stirring it won't do at all. You must bring about an intimate permeation, and this does not occur when you put in any kind of thickened substance, or if you don't stir vigorously.“

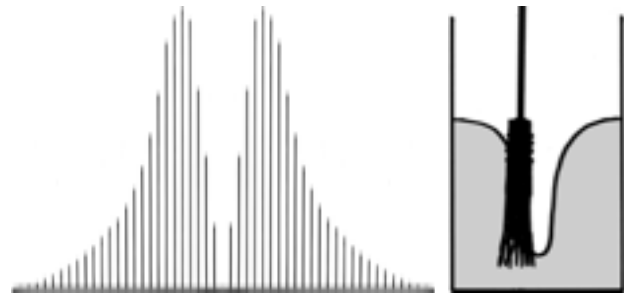
(Creeger + Gardner 1993 p.73 + p.76 - 78; cf. Adams Kaufmann n.a.IV/13 + D12 - D14)

How to achieve „a thorough mixing, ... an intimate permeation“ by hand?

Stirring at the very edge of the vessel



Stirring near the centre of the vessel



The vertical lines indicate the speed of the water at the respective points along the cross section of the vessel.

Drawings: W.St., adapted from Lugt 1979 p.58 - 60 / 1983 p.30 31 and Georg Sonder 1992 in Stappung 2017 p.230

I call this a Quasi Rigid Body Motion: The whole mass moves with the same turns per minute. For a really deep vortex I stir at the bottom with at least 150 rpm.

Currents: Homogenous turbulence: Within the main body of rotating water there is a confusion of very little currents.

A so-called Rankine Vortex is formed: Even if you stir very quickly in the centre, the main body of water on the outside moves only slowly.

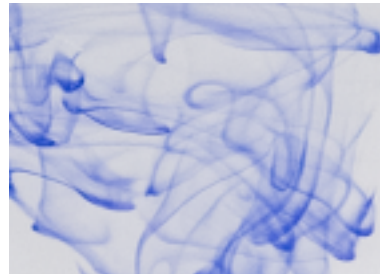
Currents: Primarily laminar, in parallel layers. Tendencies for turbulence on walls, floor and the stirring tool (or hand).

Ink in homogenous turbulent flow:



The ink is immediately diluted in the water.
→ Instant and very efficient mixing

Ink in laminar flow:



Only after some minutes the ink is diluted in the water.
→ Only poor mixing effect

The abrupt reversal of the stirring direction intensifies turbulence and mixing.

Effects of thorough and intimate mixing and permeation

I experience the fast and intensive stirring as refreshing and invigorating. Only if the setup doesn't allow for rapid stirring do I stir slowly. It makes me feel tired, embarrassed and paralyzed.

I also feel the effect of food which is produced with intensively stirred preparations invigorating.

My doctor thinks that it helps the nerves to work faster (better).

Who can report having similar experiences?

Who can help to verify it with the help of scientific methods?

Bibliography

Steiner, Rudolf: Geisteswissenschaftliche Grundlagen zum Gedeihen der Landwirtschaft. (Landwirtschaftlicher Kurs.)

Rudolf Steiner Verlag Dornach + Basel. GA 327, 8/1999 + TB 640, 2005.

– Adams Kaufmann, George: Agriculture Course. Goetheanum Dornach, CH n.a. (between 1929 und 1938).

– Creeger, Catherine E. + Gardner, Malcolm: Spiritual Foundations for the Renewal of Agriculture. BDFGA Kimberlon/USA 1993.

Lugt, Hans Josef: Wirbelströmung in Natur und Technik. G. Braun Karlsruhe 1979.

– Vortex Flow in Nature and Technology. Wiley New York/USA 1983.

Stappung, Walter: Die Düngerpräparate Rudolf Steiners – Herstellung und Anwendung. Rüfenacht 2017. ISBN: 978-3-9521944-5-4.

Stappung, Walter: Biologisch-Dynamische Präparate rühren. CH-Rüfenacht 2018.

21.08.2018

Walter M. Stappung
Bio-Dynamic Preparations
Consulting and Publications
Längimoosstrasse 6
CH-3075 Rüfenacht / Bern
++41 (0)31/ 832 62 68
stappung@duengerpraeparate.ch

