

Saline Agriculture, A practical solution to a global problem

<ul style="list-style-type: none"> ✚ Degradation of farmland due to salt- accumulation 	<h3>Saline Agriculture</h3>
<ul style="list-style-type: none"> ✚ Water scarcity 	
<ul style="list-style-type: none"> ✚ Food shortage 	
<ul style="list-style-type: none"> ✚ Poverty & loss of livelihood 	

Salinization is one of the major threats to agriculture worldwide. Globally, about 20% or 63 million ha of all irrigated arable land is salt-affected (about the size of France). This number increases by 2000 ha every day and crop damage in the irrigated areas is estimated at US\$ 27.3 billion every year.



Image: Salt-affected farmland

Together with salinization, the frequent occurrence of drought due to climate change all over the world is increasing poverty and leads to loss of livelihood for many smallholder farmers.

Saline Agriculture – A climate-smart solution

People have long believed that salt-affected land was unusable. However, as a result of in-depth research and years of testing, it is very well possible to grow crops on salt-affected lands.



Image: Participating farmers in the Bangladesh project- [The Salt Solution](#) (ICCO/Frame-In production)



Together with using the right (salt tolerant) crops, proper irrigation techniques, water management, fertilizers and factoring in the climate condition of the respective region, it is possible to improve and re-use the salt-affected farmland.

With Saline Agriculture one can

- ✚ (Possibilities to) Grow crops all year around (Both in the dry season and during monsoon)
- ✚ Use Saline water resources such as brackish water for irrigation
- ✚ Improve & re-use the degraded farm-land
- ✚ (Possibilities to) Double the amount of water available for irrigation
- ✚ Contribute to global food security
- ✚ Reduce poverty

Proof of our success

After more than 10 years of research, we have successfully identified and grown various varieties of crops in saline conditions. Our methods have proven successful in Pakistan where farmers had 40% more yield (potatoes) than conventional methods. Our partner organisation - "Salt Farm Texel" is currently working together with **ICCO cooperation** to train 5000 farmers in the coastal region of Bangladesh where we are helping them grow various crops such as carrots, cabbage, potatoes, etc.

We are also working together with north-sea region partners from the project "Interreg SalFar" to research further to mitigate the effect of Salinization.

Awareness & Knowledge sharing:

We have set up a knowledge centre for saline agriculture with the aim of creating awareness and sharing of open-source knowledge to help struggling farmers worldwide. The online platform of the knowledge centre can be accessed at www.salineagricultureworldwide.com

About us:

Salt Farm Foundation was established for the (open source) sharing of our knowledge and solutions with small-scale farmers worldwide. Our foundation aims to facilitate saline agriculture to solve food shortage, to contribute to poverty reduction, and to provide a solution for the adverse consequences of climate change.

Sponsors



Partners

