



# Smallholder Farming: Small Land, Large Impact



## Importance of Smallholder Farmers

There is nothing “small” about smallholders. Not in their numbers. Not in the challenges they face. Not in the outsized contribution they can make toward helping achieve the UN global goal of Zero Hunger by 2030. At Bayer we call it the #SmallholderEffect: The exponential impact smallholder farmers can have in eradicating hunger in ways that respect their communities and the environment.

Around the world, it is estimated that there are about 475 million farms less than 2ha. These smallholder farms operate on approximately 12% of the world’s agricultural land and produce 80% of the food that is consumed in Asia and Sub-Saharan Africa. The responsibility is large, but for smallholder farmers, access to resources, markets and agricultural know-how often falls short.

## Our Solution

We have learned there is no one solution that fits all. To tackle the diverse challenges smallholder farmers are faced with, we develop holistic and scalable approaches that continuously evolve in close teamwork with smallholder farmers with a focus on:



**Education** in a variety of areas including agricultural know-how, safe use of products, entrepreneurship, access to resources and to market.



**Tailored Solutions** that incorporate high quality seeds and traits, chemical and biological crop protection products and digital solutions to help smallholder farmers maximize their yield in a sustainable way.



**Partnerships** with public, private and local organizations to combine skills and knowledge in order to meet smallholder farmer’s needs holistically.

## Our Commitment

At Bayer, we have been working with smallholder farmers for many years. We want to empower them to reach their farming potential and foster reliable growth for their businesses, communities and livelihoods. In all our actions we aim to create shared value for all parties: grow businesses, support sustainable agriculture, make our contribution to improve smallholder farmers’ lives and generate value to society.

## Smallholder Farmer’s Needs:



**Access To Resources** – Finance / Insurance / Technologies / Digital Solutions / Seeds / Irrigation / Fertilizer / Crop Protection



**Agricultural Know-How** – Water and Energy / Soil Nutrition / Crop Management / Pest, Disease, Weed Control



**Access To Markets** – Storing / Certification / Price Information / Selling / Processors / Off-Takers



**Better Life** – Food Supply / Secure Income / Education for Children / Working Conditions / Empowering Women / Health & Nutrition



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#SmallholderEffect