

# Our Contribution to Sustainable Agriculture in China

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Producing **MORE** food for a growing population will be one of the next decade's most important global challenges...

**2bn**  
more people  
by 2050

**870m**  
people go to  
bed hungry

**70%**  
of them depend  
on farming

**10,000** Yrs.  
We need to produce  
more food in the next  
50 years than in the  
part 10000 years!






# Not Just MORE, But BETTER

Consumers demand for higher quality,  
wider choice, bigger meals and a dietary shift





Every second,  
we lose a soccer field  
of farmland...

**Not Just  
MORE & BETTER**

**but  
More EFFICIENT  
Lower IMPACT**

Agriculture already uses  
70% of the world's fresh  
water withdrawals...



A person wearing a blue long-sleeved shirt is working in a field, possibly tending to plants. The foreground is filled with green, leafy plants, likely soybeans, with some small, fuzzy seed pods visible. The background is slightly blurred, showing more of the person and the field.

# Syngenta's role in the future: **COLLABORATIVE AND INNOVATIVE**

Our ambition is to bring greater food security in an environmentally sustainable way to an increasingly populous world by creating a worldwide step-change in farm productivity

We play a vital role in the food chain to safely feed the world and take care of our planet.



## World-leading Capabilities...

- **\$1.3 billion** R&D investment per year
- **5000 +** R&D experts
- **28,000** employees across **90+** countries
- **111** R&D sites & **100** P&S sites
- **\$12.65bn** group sales 2017

## Commitments to China...

- **> \$3.6bn** investment in China
- **~ 2000** employees
- **Beijing Innovation Center** – 1 of 7 global innovation centres with 100 researchers;
- **Nantong Factory** – 1 of 7 global AI manufacture sites, multiproduct strategic site;
- World-class facilities eg. Jiaolai seeds processing site, Kunshan factory;



# The Good Growth Plan Commitments

To increase farm **productivity** while boosting resource **efficiency**,  
rejuvenate ecosystems and strengthen **rural communities**...



More food  
Less waste



**Make crops  
more efficient**

Increase average productivity  
of the world's major crops by  
20% without using more  
land, water or inputs

More biodiversity  
Less degradation



**Rescue more  
farmland**

Improve the fertility  
of 10 million  
hectares of  
farmland on the  
brink of  
degradation



**Help  
biodiversity  
flourish**

Enhance  
biodiversity  
on 5 million  
hectares of  
farmland

More health  
Less poverty



**Empower  
smallholders**

Reach 20 million  
smallholders and  
enable them to  
increase  
productivity  
by 50%



**Help people  
stay safe**

Train 20 million  
farm workers on  
labor safety,  
especially in  
developing  
countries



**Look after  
every worker**

Strive for fair  
labor conditions  
throughout our  
entire supply  
chain network

One planet. Six commitments.





In 2017, we have established **121** reference farms and **267** benchmark farms across China, focusing on CORN, RICE and POTATO...

We're cutting greenhouse gas emissions and showing strong advance in yield, while using resources more efficiently...

*Compare to 2014 baseline data, four year accumulated productivity improve:*

Potato  
productivity

**+ 49.3%**

Pesticide field  
application efficiency

**+ 39.3%**

Greenhouse gas  
emission efficiency

**+ 19%**



**Wang Quanxi**  
Potato Reference Farmer  
Inner Mongolia





In 2017, our soil conservation programs  
benefits **36,666 ha.** in China



**“Green Cover” project in  
Grape & Apple orchards  
in Yantai**



**“Crop Rotation”  
Snow Valley farms**

**Partners:**  
Yantai Academy of  
Agricultural Sciences

**Partners:**  
Snow Valley  
The Nature Conservancy  
Institute of Environment &  
sustainable development  
in Ag., CAAS  
(2018 Projects)



In 2017, we helped improve the  
biodiversity on **10,391 ha.** of  
farmland in China.



Yantai Academy of Agricultural Sciences  
we implemented “Operation Pollinator” and “Hives on  
Farms” projects on kiwi, apple and citrus orchards as well  
as Syngenta demo farmers...

**Partners:**  
Institute of Apicultural Research of CAAS  
NATESC  
Zhejiang University  
Golden Wing Mau  
Haisheng Group

*Snow Valley Farm*





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We have reached **5.73 million** smallholders in China and helped smallholders increase productivity.





2017, we have provided safety training to a total of **389,000** people in China

Shi Lijie  
Safe Use Training





**100%** of seed supply farms are covered by our Fair Labor Program.



# the good growth plan



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# The Good Growth Plan 2017 Progress Report



TheGoodGrowthPlan



As China-owned company,  
Syngenta will be the most **collaborative** and **trusted** team in  
agriculture. By working with our partners, we are committed to make  
great contribution to **sustainable agriculture** ...

