

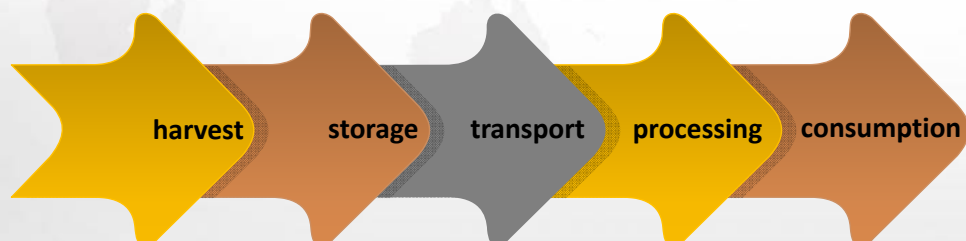


Approaches to Reducing FLW in China

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Approaches to reducing FLW





1

Reduce loss in mechanical harvest

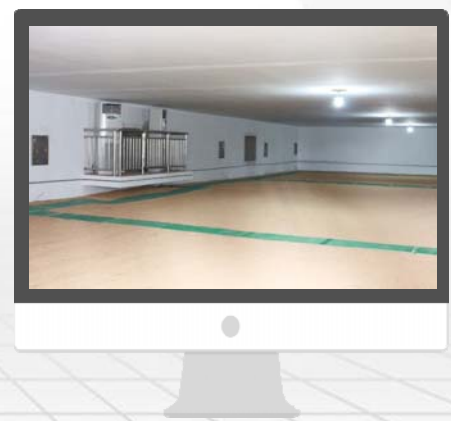
- **Three stipulations to controll loss rate**
- **operators training**
- **technical guidance**
- **performance of the machinery**



2

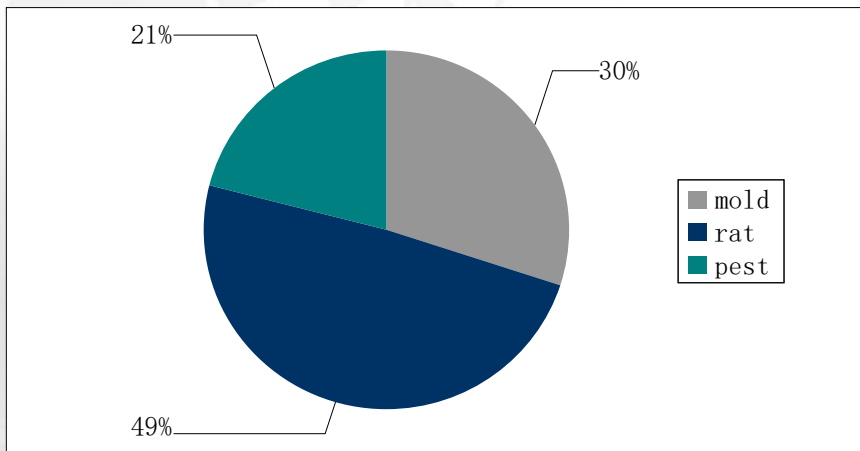
Improve storage conditions

- **New storage capacity has been built up and run-down granaries renovated and restored.**
- **Mechanical ventilation, circulating fumigation, real-time monitoring and cooling system.**
- **Loss rate down by 3%**





Promote scientific on-farm storage



The common types of the on-farm storage facilities

modular color-steel bin
for the storage of wheat and rice

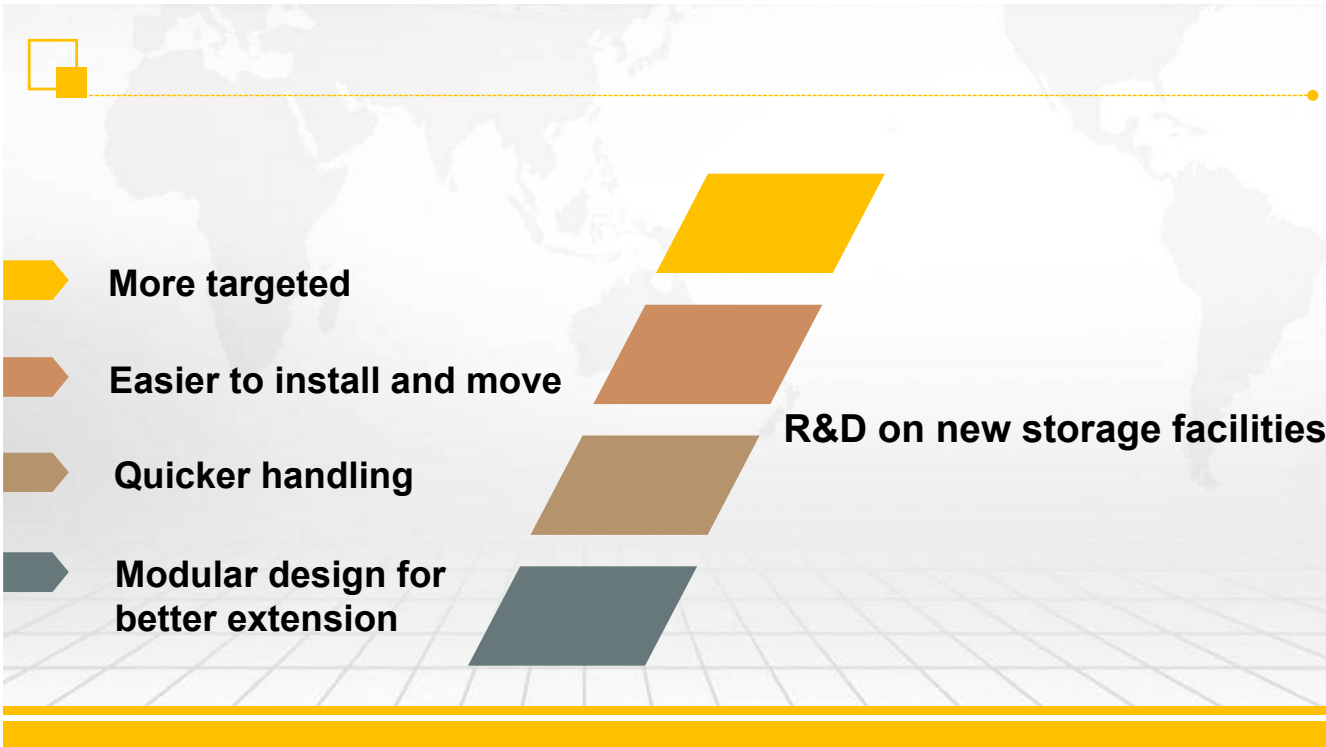


The common types of the on-farm storage facilities

steel rectangle container
for storage of maize



- **By the end of 2015, 26 provinces, autonomous regions and municipalities have been equipped with over 10 million set of the scientific storage facilities.**
- **Loss rates of on-farm storage in those areas lowered by 6%**
- **saving about 1.15mt grain each year**
- **raising farmers' income by over 2.5 trillion RMB.**



Some examples


foldable steel container

- bears more weight and easy to fold and place.
- Fast handling.



 **foldable honeycomb panel container**



 **flexible bag container
made of round polypropylene**

Improvement on storage for big-farmers

1

150m³ container for high-moisture maize in northeast China

Fit for 80t of wet maize



Improvement on storage for big-farmers

2

Fully-enclosed steel silo
For rice and wheat

Mouth on the top to fill grain in
and to ventilate



Indigenous methods to protect grain from pest and insects



wild pepper

White spirit



Ailanthus leaves

Shaddock peel



Dried kelp

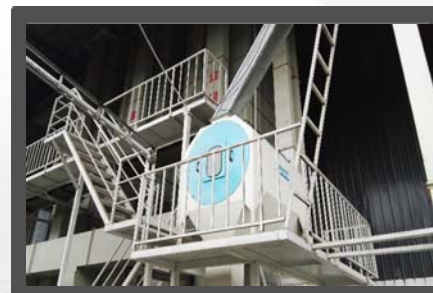
Wormwood and calamus



3

Build up post-harvest service centers

- Services of grain cleaning, drying, storing, processing and selling.
- Engage grain businesses, cooperatives and traders .
- To cover all the major grain production counties in China by 2020.





4

Promote bulk handling/transporting of grain

- Construct more bulk transportation infrastructures
- Loss & waste rate down by 2%



5

Upgrade processing techniques

- Technical Code and Energy Consumption Standard
- targeting over-polishing of rice and over-whitening of wheat flour.

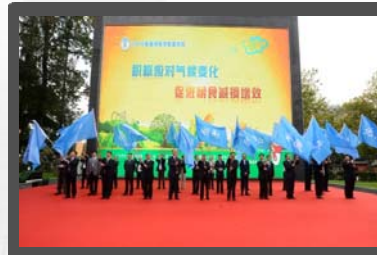




6

Consumers' educational campaign

- “Empty your Plate”
A catch phrase in Chinese Society
- educational campaigns in various forms
- bring back traditional value
- stars of food saving



Every tiny step matters,
as long as taken forward.



Thank you !