The earth offers food to people.

And some food, for example, rice

leaves abundant straws and wastes for something else.

A group of scientists in Taiwan have recently

turned the agriculture wastes to green energy.

After reaping the field, there will be a lot of unwanted straws.

In the past, farmers use them for fertilizer.

Now scientists use them for producing fuel.

Today ethanol infused fuel can be found

at many gas stations around the world.

For example in China, fuel is a blend of 10% ethanol and 90% gas.

Despite ethanol biofuel is environmental friendly,

people worry about too many lands will be used

for cropping raw material for fuel rather than food.

Now a group of Taiwanese scientists are able to

produce a fuel called biobutanol

from wasted straws, bagass, and wood wastes.

Comparing with ethanol infused fuel,

which is a blend of 10% ethanol and 90% gas,

butanol infused fuel consists of 16% butanol and 84% gas.

It’s even more ecofriendly.

Qian-Xiang Tong, CEO Green Callosity Corp.

Only few people are familiar with biobutanol production

More people are working on ethanol from corns

Can it be used directly?

No, we still have to extract it

and then go through a few chemical transformations.

The scientists are optimistic that biobutanol

can be mass produced in 3 years.

Their project entitled

“Carbon loss-free cellulose butanol production technology”

won the 2013 R&D 100 Awards.

It’s a strong encouragement for the team and for Taiwan.