

梅河口吉洋种业有限责任公司（中国吉林）

中国有机稻米标准化生产创新发展联盟

China Innovation and Development Alliance for Standardized
Production Organic Rice

中国有机稻农对古老原生种子的保护与传承应用

**Protection and inheritance of ancient native seeds
by Chinese organic rice farmers**

Yinge Yang

Tel: (86) 13904452054

2018.09.01



(I) Report summary

1.1 History of chinese rice

- 1 History of 6500 years
- 2 30000+traditional seeds
- 3 Quality organic food
- 4 Wild rice's environment
And organic rice farming techniques



(I) Report summary

1.2 Wild resources **1** Organic Zhefang Tribute Rice (Yunnan)



(I) Report summary

1.2 Wild resources

2 Organic Xili Tribute Rice, Xianghe Sticky Rice (Guizhou)



(I) Report summary

1.2 Wild resources

3 Yanzhi Rice (North), Gu
Rice(Jilin)



Discovered in Meihekou,
Jilin Province

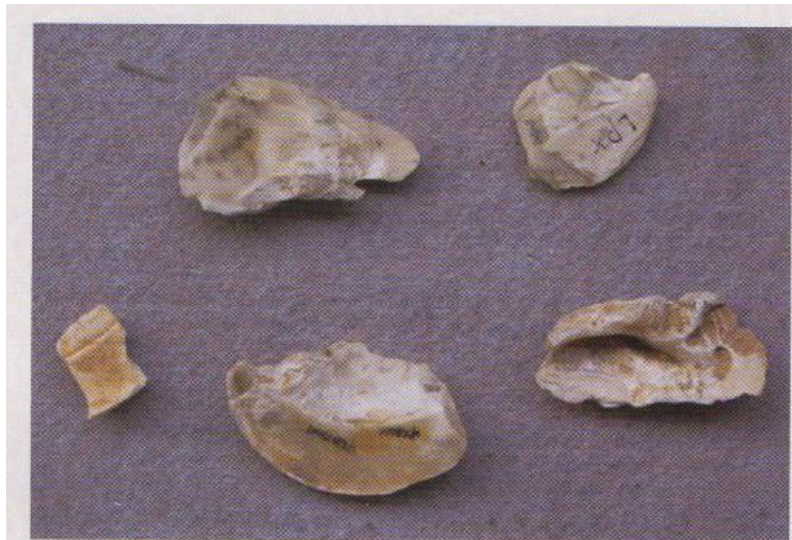


(I) Report summary

1.2 Wild resources

4 Wild rice grown in Yunkai Ranges

Guangxi, China



罗定下山洞出土的蚌器割具

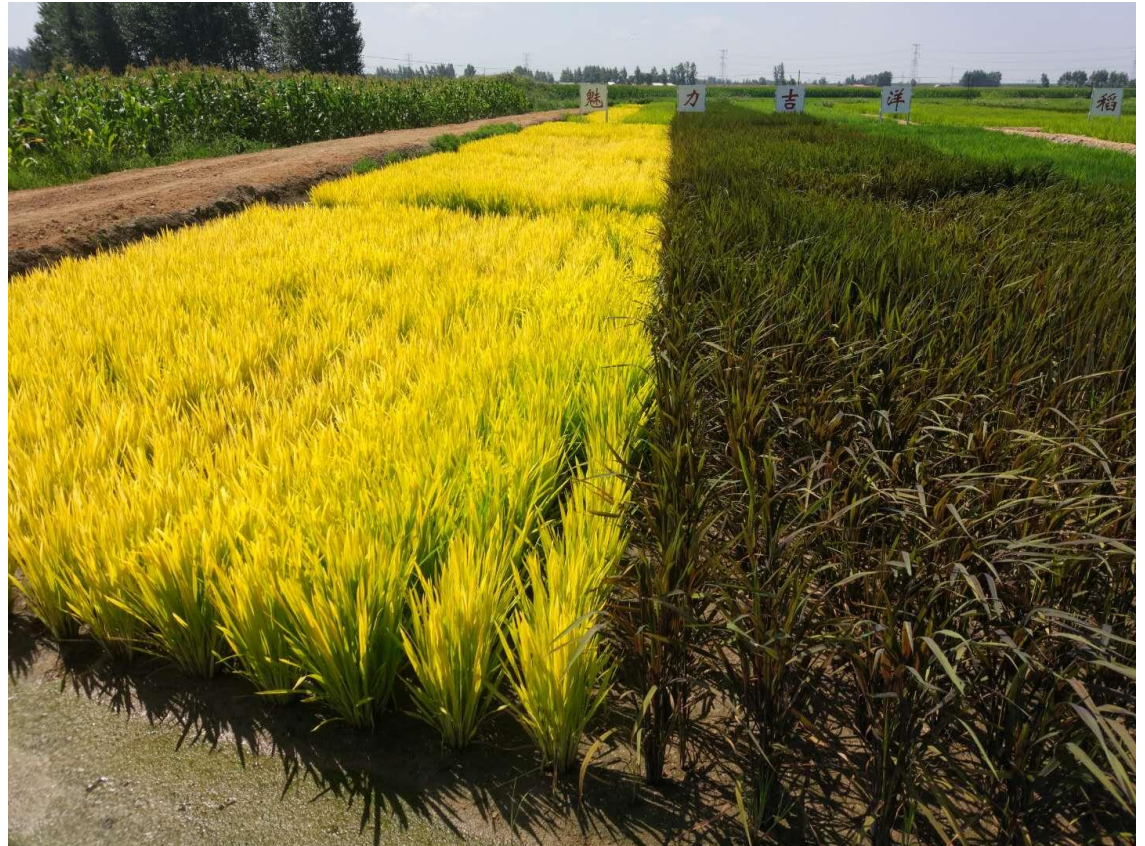
Cutting tools made from mussels, unearthed in Luoding

(I) Report summary

1.2 Wild resources

5 Colored Rice

Colored rice
builds rice
"dreamworld"



(II) Protection and utilization

2.1 Resource discovery and classification

Collected by regions of China by members of China Innovation and Development Alliance for Standardized Production Organic Rice

1 By location



Northeast : (Gu Rice)

North : (Yanzhi Rice)

Southwest: Yunnan, Guizhou, Sichuan

(Organic Zhefang, Xili, Xianghe Rice)

South: Guangxi, Guangdong
(Organic indica)

(II) Protection and utilization

2.1 Resource discovery and classification

2 Intl. Research Collaboration

Research Center for Medicinal
Plant Resources, Tsukuba



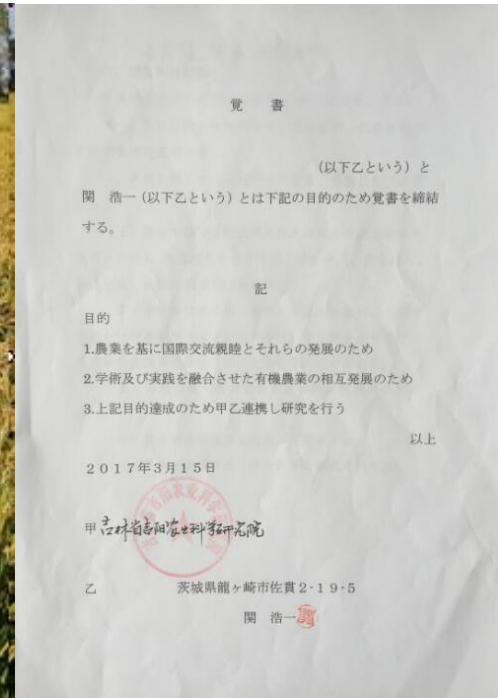
Testing wild
resources

Medicinal/edible

Nutrition

Palatability

Other



(III) Domestication of resources

3.1 Establish organic wild resources stocks



(III) Domestication of resources

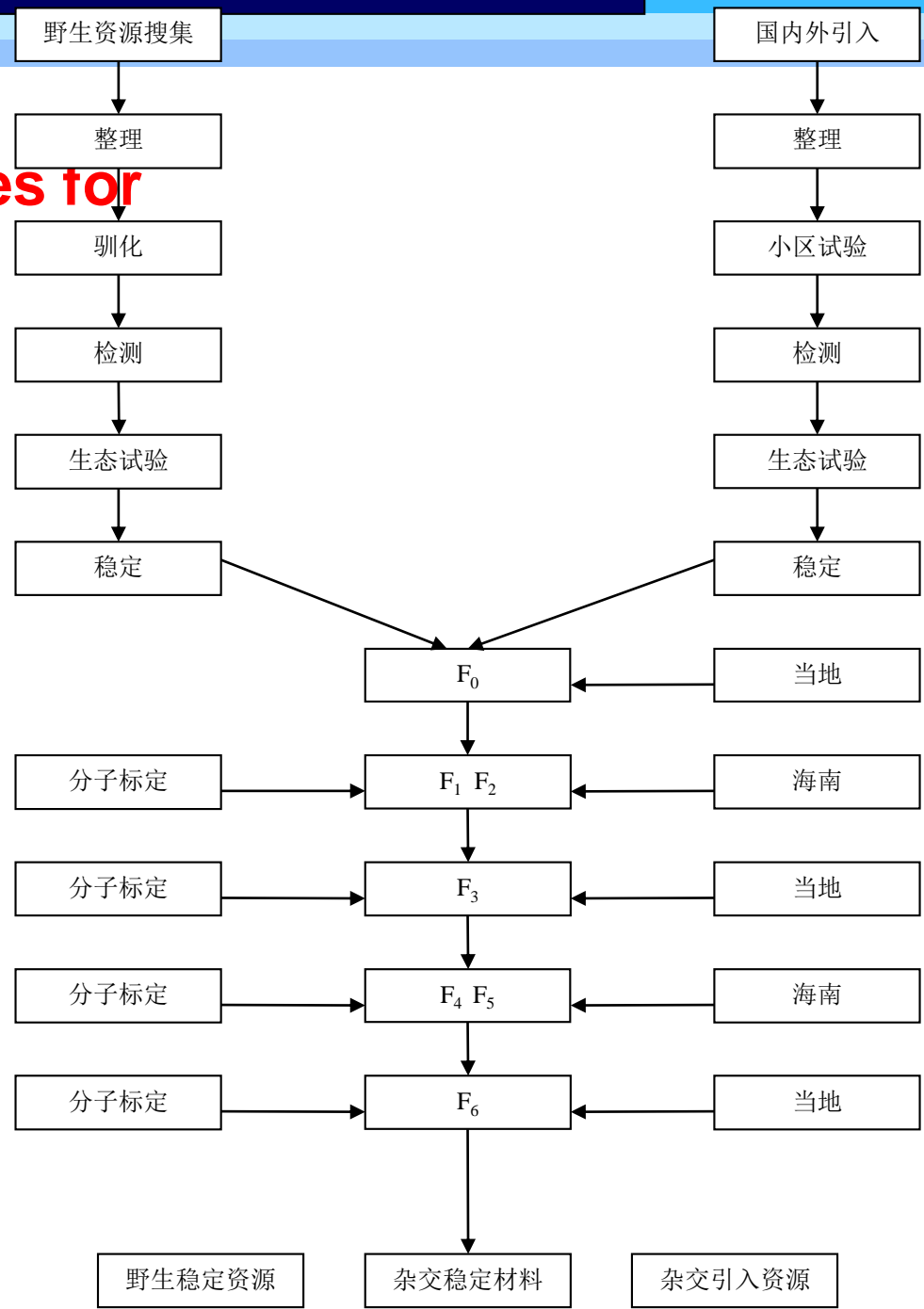
3.2 Domestication method

Wild → Tall → Short → Lodging → near-cultivar → Organic seeds



(IV) Create new resources for organic rice

Using molecular markers to create quality wild variety groups and other quality resources—new resources for organic rice



(V) Organic rice ecological trials in China

- SW : Yunnan
- South : Guangxi
- NW : Ningxia
- North : Tianjin
- East : Jiangsu
- NE : Jilin, Inner Mongolia



(VI) Establish a seed breeding base for wild organic rice resou



Protect and utilize wild rice resources

(VII) Development and application of ancient organic rice resources



Conclusion

Through above approaches, Chinese organic farmers will take the preservation and inheritance of ancient native seeds to a new sustainable stage.



梅河口吉洋种业有限责任公司

Meihekou Jiyang Seeds Co. Ltd.

邮箱：jyzy588@163.com

Thanks !

2018.9.1