

马达加斯加杂交水稻发展

The Development of Hybrid Rice in Madagascar

袁氏马达加斯加农业发展有限公司
Yuan's Madagascar Agricultural Development Co., Ltd.

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I. 马达加斯加基本情况 Overview of Madagascar

政府支持

Government support

扩大种植面积、提高大米产量、实现粮食自给是马达加斯加基本国策之一。

Increasing rice production, expanding the area of arable land and promoting food self-sufficiency is among the general national policy.

经济前景

Economic perspective

周边东南非共同体国家大部分是大米进口国

Most of the countries in the East and South African Community around Madagascar are rice importers.

发展杂交水稻的优势条件

Advantages of developing hybrid rice

自然条件

Natural conditions

温光降水条件可以满足高产需求, 耕地后备资源多达3500万公顷。

The conditions of temperature, light and precipitation can meet the high efficiency demand. 35 million hectares reserves of arable land.

产业潜力

Potentiality of the rice growing industry

现有本国水稻品种平均单产不足3吨/公顷
The average yield of local rice is less than 3T / ha

II. 双边合作 Bilateral cooperation

- 袁隆平院士杂交水稻团队于2007年-2012年在马达加斯加实施了中国政府援助马达加斯加杂交水稻示范中心项目，进行品种筛选、技术培训、高产示范，取得了良好效果。
- The hybrid rice team of Academician Yuan Longping implemented the Chinese government-assisted hybrid rice demonstration center project in Madagascar from 2007 to 2012, conducted variety selection, technical training, and high-yield demonstrations, and achieved good results.



II. 双边合作 Bilateral cooperation



马农业部为项目专家授勋，表彰其为马达加斯加杂交水稻发展的贡献
The Ministry of Agriculture of Madagascar decorated the technicians of the project for their contribution in the development of hybrid rice in Madagascar.



中国农业部张桃林副部长参观马义奇杂交水稻开发研究中心
Deputy agriculture minister of China visited hybrid rice research center in Mahitsy



湖南省政府与马农牧渔业部签署农业合作备忘录
Signing of MOU for agricultural cooperation between the Hunan provincial government and MALF



马农牧业部与中国农业农村部签署合作备忘录
Signature of MOU of cooperation between the MAL and the Ministry of Agriculture of China

II. 双边合作 Bilateral cooperation

湖南省政府重视与马达加斯加合作发展杂交水稻

Hunan provincial government attaches great importance to cooperation on hybrid rice development in Madagascar



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The vice governor of Hunan with MALF and Yuan's in May 2019



2nd Atlier on the development of hybrid rice in Madagascar organized by MALF, CNRDRH and Yuan's Madagascar in May 2019



Vice Governor of Hunan inspects hybrid rice demonstration field in Mahitsy in May 2019

II. 双边合作 Bilateral cooperation



湖南省政府支持在马达加斯加开展“一带一路”国家杂交水稻技术推广应用研究、杂交水稻在非洲的示范推广等项目
The provincial government of Hunan supports the promotion and application of hybrid rice technology in Belt and Road countries, as well as the demonstration and promotion of hybrid rice in Africa in Madagascar.



2019年，国家杂交水稻工程技术研究中心非洲分中心挂牌仪式
In 2019, the installation ceremony of the African Sub-Center of the National Hybrid Rice R&D Center of China honored by the presence of the Minister of the MALF and the CEO of the CNRDRH

II. 双边合作 Bilateral cooperation



马国管理技术人员来华培训
Training of hybrid rice technicians of
Madagascar in China



湖南杂交水稻研究中心高级专家赴马达加斯加举办培训
Training in Madagascar given by researchers of
the Hunan Hybrid Rice Research Center

III. 可持续发展 Sustainable development

援外项目可持续发展



2007-2012

Sustainable development of the aid project

2010-present

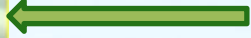


马义奇杂交水稻示范中心
Hybrid rice pilot center
in Mahitsy

项目实施方

**YUAN'S
SEED**

母公司



Project
implementer

Parent
company



袁氏马达
Yuan's Madagascar

- 袁氏种业高科技有限公司是一家以杂交水稻种子科研、生产、销售为一体的农业企业，服务国内、国外两个市场。
- Yuan's Seed is an agricultural enterprise integrating scientific research, production and sales of hybrid rice seeds, serving both domestic and foreign markets.

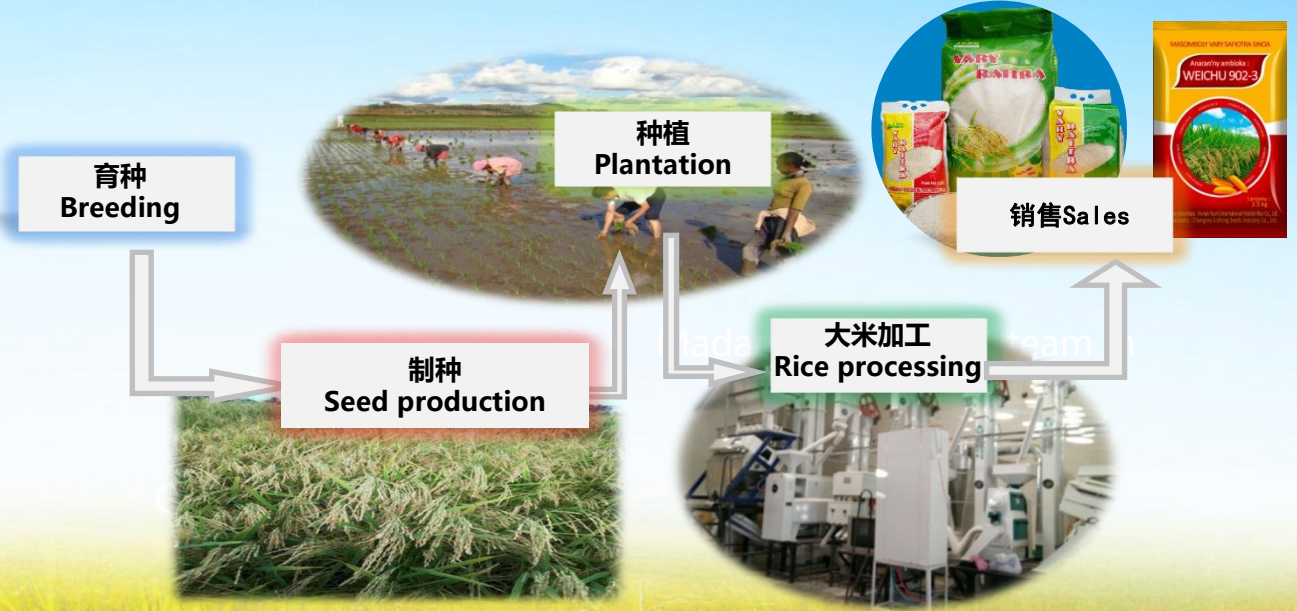
III. 可持续发展 Sustainable development

马达加斯加杂交水稻全产业链发展

育种--种子销售--稻米收购-大米加工-大米销售的全产业链运作

Yuan's Madagascar Hybrid Rice Industry Chain

The whole industry chain of breeding-seed sales-rice purchase-rice processing-rice sales



III. 可持续发展 Sustainable development

袁氏马达业绩 Yuan's Madagascar performance

审定品种 Officially registered variety	本土化制种面积 (公顷) Area of localized seed production (ha)	杂交水稻推广面积 (公顷) Hybrid rice extension area (ha)	稻谷单产 Rice yield (T/ha)	大米品牌 Registered trademark of rice	大米加工厂 Rizerie
5	200	60 000	7.5T/ha(average) 12T/ha (maximum)	5	6000T/year

杂交水稻表现了高产、耐旱、耐淹、抗倒伏、优质等优良特性。

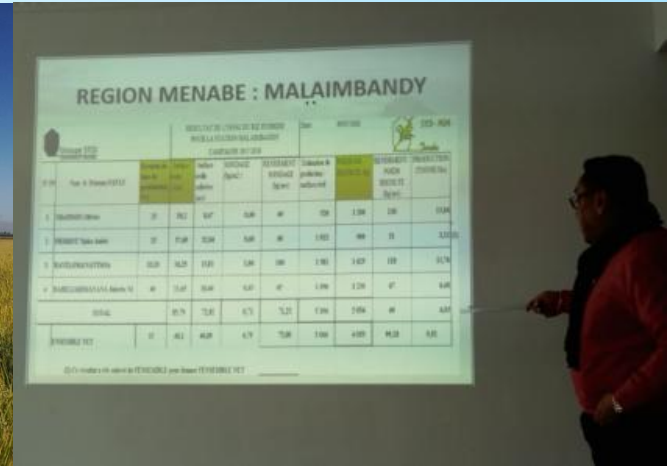
Hybrid rice showed high yield, drought tolerance and excellent characteristics such as flood resistance, lodging resistance and good quality.



杂交水稻大面积种植

Large-scale hybrid rice plantation

- “公司+政府+农户” 运营模式
Model "Company + government + farmer"
- “公司+合作企业+农户” 运营模式
Model "Company + cooperative enterprise + farmer"



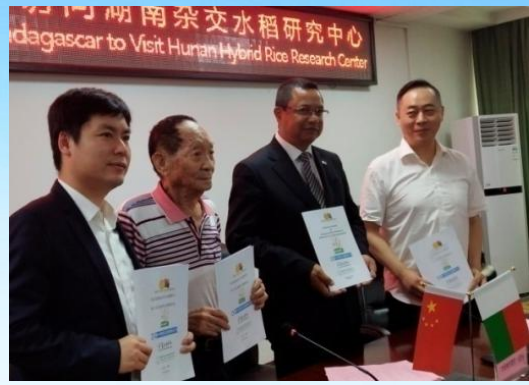
杂交水稻高产示范 High Yield Hybrid Rice Demonstration



IV. 公私合作 Public-private cooperation



2012年，马农业部与袁氏种业签署马达加斯加杂交水稻合作协议
In 2012, the Ministry of Agriculture of Madagascar and Yuan's Seed signed the cooperation agreement on hybrid rice in Madagascar.



2019年，马农牧渔业部与国家杂交水稻工程技术研究中心、袁氏种业签署杂交水稻本土化项目框架协议
The signing of MOU of the hybrid rice development project with MALF in June 2019



2017年，马达加斯加农业部与袁氏种业签订杂交水稻种植发展合作备忘录
In 2017, the signing of MOU on hybrid rice development cooperation between MPAL and Yuan's Seed



2019年，马农牧渔业部与国家杂交水稻工程技术研究中心、碧桂园农业签署合作框架协议
In 2019, the signing of a cooperation protocol between the MALF CNRDRH and Country Garden Agriculture Groupe

V. 未来展望 Perspective

杂交水稻本土化项目计划符合“马达加斯加振兴计划”基本纲领
Hybrid rice development project corresponds to IEP of Madagascar

马达加斯加
杂交水稻本土化项目
Hybrid rice
development
project in
Madagascar

3年
杂交水稻制种基地
基础设施建设
3 years
Construction
ancillary infrastructure
for hybrid rice seed
production

12年
杂交水稻制种基地
合作运营
12 years
Joint operation of the
hybrid rice seed
production base



发展目标

- 建设2000公顷杂交水稻制种基地
- 每年为15万公顷稻田提供4500吨优质杂交水稻种子，产出1125000吨稻谷
- 为实现马达加斯加粮食自给和非洲粮食安全做出更大贡献

Goal

- Build a 2000ha seed production base
- Provide 4,500 tonnes of good quality hybrid rice seeds for 150,000 hectares of rice fields , which produces 1,125,000 tonnes of rice.
- Contribute more to food self-sufficiency in Madagascar and Africa.

谢谢!
THANKS!

