"丝绸之路经济带"沿线国家植物检疫合作战略研讨会, 2019.5
IPPC High-level Symposium on Cooperation of the Phytosanitary Measures among
the Chinese Initiative "the Belt and Road" Countries, May. 2019

## 广西南宁合一生物防治技术有限公司 Guangxi Nanning Heyi Biological Control, LTD

师翱翔,技术总监 Ian Shi, Technical Adviser



我们致力于

WE ARE COMMITTED TO

### 生物防治BIOLOGICAL CONTROL ...

我们做什么? WHAT WE DO? 创建者 FOUNDERS 成绩 ACHIEVEMENTS 地点 LOCATION

我们生产天敌昆虫 并提供全套技术服务

We produce
natural enemies
for pest control
and provide
technical service
to support
growers

创建者拥有30多 年生物防治和管理 经验

The founders
have a combined
30+ years of
Biological Control
and Management
experience

我们获得国家级和 地市级天敌昆虫产 业化生产和大面积 生物防治应用奖项

We have been awarded with National and Municipal prizes for large scale application of Bio-Control

公司2010年成立, 位于中国广西南宁 市

Found in 2010, our company is located in Nanning, Guangxi, China











2010



创建者宋一林,师翱翔 业务经理和昆虫学家 Founders Yilin Song, Ian Shi Businessman and entomologist









创建初期/Start

今天的合一生防/Company today



2011



螟黄赤眼蜂发布用于防治甘蔗螟虫 Introduction of *Trichogramma* chilonis against sugarcane borers



2012-2018放蜂面积/release acreage



2012











大面积释放赤眼蜂防治甘蔗螟虫 Large scale inundative release of *T. chilonis* against sugarcane borers



2014





开始生产和销售胡瓜钝绥螨防治柑橘红蜘蛛 Introduction of *Neoseiulus cucumeris* against citrus red mite



2015

开始生产和应用稻螟赤眼蜂防治稻纵卷叶螟和二化螟 Start production and application of T. japonicum for rice insect pests, Cnaphalocrocis medina and Chilo suppressalis







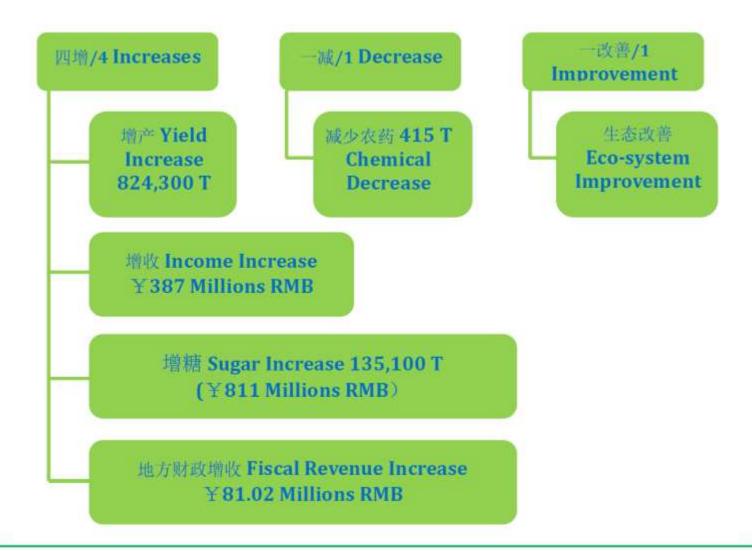
#### 2017



米蛾自动化生产线投入运行 Launch of automatic production line of *Corcyra cephalonica* 



#### 成绩 Achievements





# 2012-2018年放蜂防治甘蔗螟虫效果/2012-2018 Efficacy of releasing wasps to control sugarcane borers

螟害节 Bored internod 放蜂区 Releases		公顷) Yi Sugarcane yield in (t/h) se		增产 Yield increa se (t/h)	增收 Incom e increas e (¥/h)	甘蔗糖分(%) Sugar content (%)  放蜂区 对照区 Releases Non-		增糖 百分 点 Percen t point increa	增糖 Sugar increa se (t/h)
area	released area	area	released area			area	released area	se in sugar	
9.81	18.84	85.8	69	16.8	<b>7578</b>	15	14.26	0.74	2.55



#### 培训Training



2012-2018 年举办招 放培班系 始明班, 日 超过 2.5万 人,

Training were provided to over 25,000 people for wasps release against sugarcane and rice pests from 2012 to 2018



#### 草地贪夜蛾/ Fall armyworm (Spodoptera frugiperda)

已在中国出现/They are here in China.

螟黄赤眼蜂并非有效天敌/T. chilonis is not an effective natural enemy.

夜蛾黑卵蜂Telenomus remus Nixon?





#### 发展前景和目标Future perspective and objectives

- 不断地创新并提升生物防治产业的发展/Innovation to lead the industry
- 与所有利益相关者合作并成长/Collaboration with all stakeholders to thrive
- 向所有利益相关者宣传和提倡生物防治/Promotion of biological control to all stakeholders



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# 感谢您的关注! Thank you for your interest!

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