

“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?

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
FOUNDERS

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



成绩
ACHIEVEMENTS

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



地点
LOCATION

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



合一生防的历史和里程碑 Heyi's History and Milestones

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



合一生防的历史和里程碑 Heyi's History and Milestones

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

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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

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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

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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*



合一生防的历史和里程碑 Heyi's History and Milestones

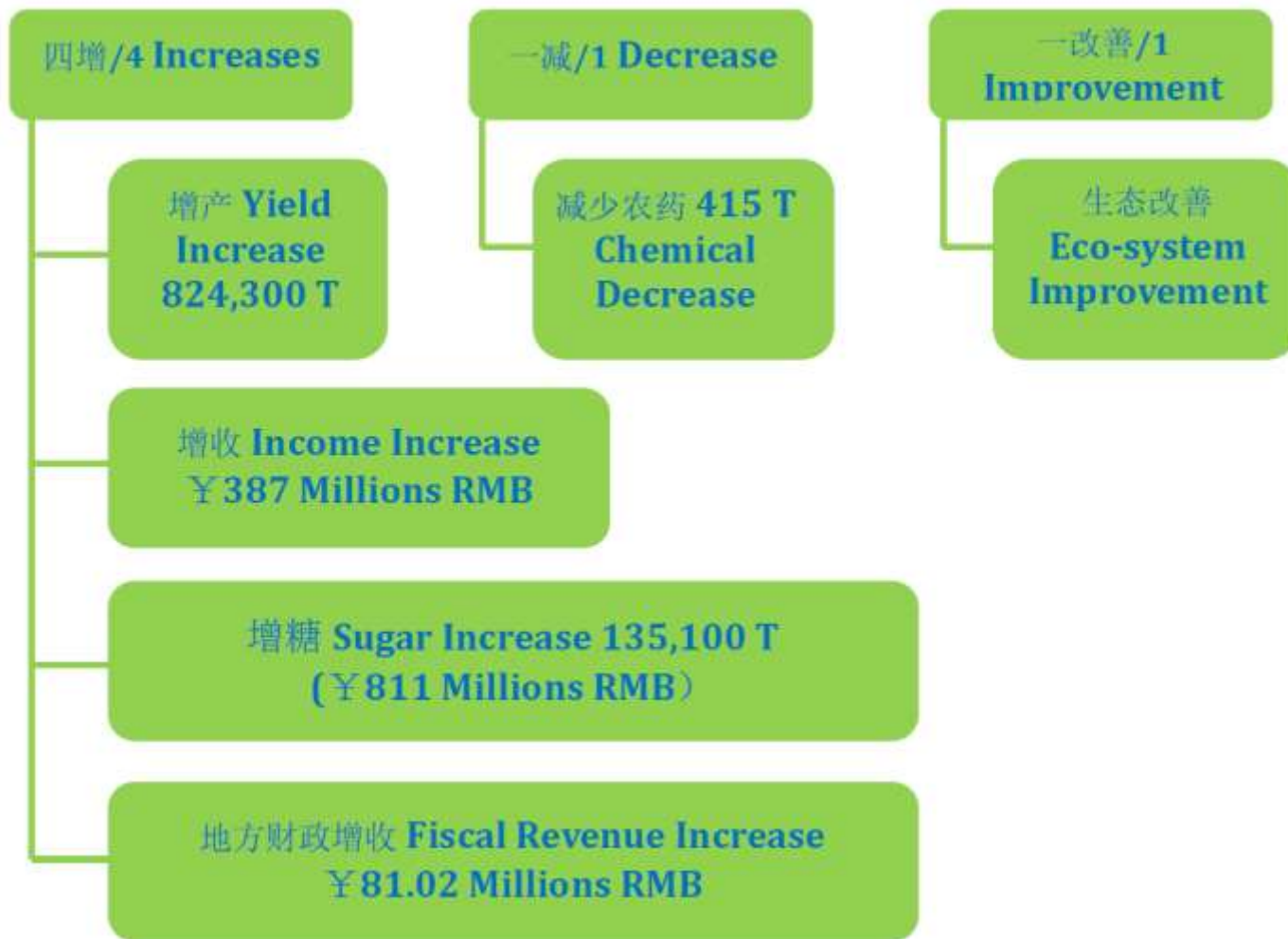
2017



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

| 螟害节率 (%) Bored internode (%) | | 甘蔗产量 (吨/公顷) Sugarcane yield (t/h) | | 增产 Yield increase (t/h) | 增收 Income increase (¥/h) | 甘蔗糖分 (%) Sugar content (%) | | 增糖百分点 Percent point increase in sugar | 增糖 Sugar increase (t/h) |
|---------------------------------|--------------------------|--------------------------------------|--------------------------|----------------------------|-----------------------------|-------------------------------|--------------------------|--|----------------------------|
| 放蜂区 Releases area | 对照区 Non-released area | 放蜂区 Releases area | 对照区 Non-released area | | | 放蜂区 Releases area | 对照区 Non-released area | | |
| 9.81 | 18.84 | 85.8 | 69 | 16.8 | 7578 | 15 | 14.26 | 0.74 | 2.55 |

培训Training



2012-2018
年举办甘蔗和水稻
放蜂治螟
培训班，
培训人员
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

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广西农垦局

广西糖办

广西糖业集团

南宁市政府

等单位对生物防治技术研发和推广的大力支持

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State Farm Bureau of Guangxi

Guangxi Admin. Office of Sugar Industry

Guangxi Sugar Industry Group

Government of Nanning

for supporting biological control

感谢您的关注！
Thank you for your interest!

Contact: Heyi Biological Control, China

Manager: syl@heyisf.com

Technical: shiaoxiang@heyisf.com