



# 国际黑土研究院

International Research Institution of Black Soil

2022年总结

Summery of 2022

2023年计划

Plan for 2023

韩贵清 主席

Guiqing Han, Chairman



# 报告提纲

## Contents

1

### 2022年工作

Summary of 2022

2

### 2023工作计划

Work plan for 2023



# 国际黑土研究院

International Research  
Institution of Black Soil

## 2022年工作

Summery of  
2023





# 黑土地关系到世界粮食安全

Black soil has a bearing on world food security

习近平总书记指出，黑土地是耕地中的“大熊猫”。

2022年8月1日，《中华人民共和国黑土地保护法》正式颁布，这是世界上唯一一部国家层面立法保护黑土地的法律。

On August 1, 2022, the Black Soil Protection Law of the People's Republic of China was officially promulgated, which is the world's first state-level legislation to protect black soil.



粮食安全、社会稳定、人类健康

Food security, social stability and human health



# 全球土壤伙伴关系国际黑土研究院启动大会

The launch conference of the Global Soil Partnership  
International Black Soil Research Institute

来自全球31个黑土国家和欧盟的黑土地保护专家齐聚线上，分享黑土地保护领域的国际科研成果、学术前沿动态以及技术模式创新思路，旨在为“保护全球黑土资源，保障世界粮食安全”提供科学支撑和有力保障。

Experts from 31 black soil countries and the European Union gathered online to share international scientific research achievements, academic trends and technological model innovation in the field of black soil protection, with the aim of providing scientific support and strong guarantee for “protecting global black soil resources and ensuring world food security”.





# 世界黑土保护利用高峰论坛

## World Summit on Black Soil Conservation and Utilization



联合国粮食及农业组织土地与水资源司李立峰司长做大会报告



联合国粮农组织植物生产与保护司夏敬源司长做大会报告

经时任黑龙江省省委书记胡昌升亲自批示：  
召开“世界黑土保护利用高峰论坛”，来自18个国家的黑土专家参会发言。**本次会以受到了时任中央政治局常委、全国人大常委会栗战书委员长的高度评价。**



黑龙江省农业农村厅王兆宪厅长做报告



黑龙江省农科院刘娣书记/院长做报告



# 谱写世界黑土之歌

## Compose the song of world black soil

谱写的世界黑土之歌《我热爱的黑土地》在新华社、光明日报、龙头新闻等24家媒体进行了转载和宣传。

"The Black Land I Love" has been reproduced and publicized by 24 media such as Xinhua News Agency, Guangming Daily and Dragon Head News.

### 《我热爱的黑土地》

作者：杨鹤城、李利锋、韩贵清

我的故乡在这里，  
我的家园在这里，  
一望无垠的黑土地，  
祖祖辈辈在这里繁衍生息。  
爱你春天绽放的花朵，  
爱你夏季缠绵的细雨，  
爱你秋天丰收的硕果，  
爱你冬季白雪皑皑的静谧。

### The Black Soils I Love

Lyrics: Yang Hecheng, Li  
Lifeng, Han Guiqing

Composer:

My hometown is here,  
My home is here.  
The endless black Soils,  
Here our ancestors have been living and  
working for generations.  
I love the flowers that bloom in spring,  
Love your rain in summer,  
Love the fruitful harvest in autumn





# 全国黑土地表基质调查

## The national survey of black soil surface matrix

**全国黑土地表基质调查，由自然资源部牵头，2023年对全国黑土地表基质进行全面调查，摸清全国黑土现状，精准施策，为国家黑土保护利用和科学研究提供决策依据。**

The National Black Soil Surface Matrix Survey, led by the Ministry of Natural Resources, will carry out a comprehensive survey of the national black soil surface matrix in 2023, find out the current situation of the country's black soil, and give precise policies to provide decision-making basis for national black soil conservation and utilization and scientific research.







# 申请重大黑土专项

## Apply major black soil projects

“黑土地保护与利用科技创新” 重点专项2022年部省联动项目

# 三江平原区白浆土障碍消减与产能提升关键技术与示范

## The key technologies and demonstration of the barrier reduction and productivity improvement of white slurry soil in Sanjiang Plain area



项目经费：3000万元

本项目针对三江平原白浆土土体结构不良、耕层浅薄、等突出问题。开发生物-化学-机械改良白浆土集成技术体系，组装构建技术模式，提升白浆土区生产潜力。

Project Fund: 30 million Yuan.

This project aims to solve the prominent problems such as poor soil structure, shallow surface layer and so on in Sanjiang Plain. To develop the integrated technology system of bio-chemical-mechanical improvement of white slurry soil, assemble and construct the technical model, and enhance the production potential of white slurry soil area.



# 获批：农业农村部黑土地保护与利用重点实验室

Approved: Key Laboratory of Black Soil Conservation and Utilization,  
Ministry of Agriculture and Rural Affairs

## 农业农村部办公厅文件

农办科〔2022〕1号

### 农业农村部办公厅关于加强农业农村部 学科群重点实验室建设的通知

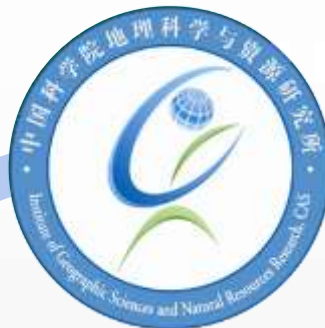
各有关单位：

农业农村部学科群重点实验室作为国家农业科技创新体系的重要组成部分，经过多年的建设发展，已经成为支撑农业高质量发展、乡村全面振兴的重要战略科技力量。2021年，我部在高效育种、耕地保育、智能装备、绿色生产等领域遴选新增一批重点实验室，学科群体系进一步优化，重点实验室力量进一步增强。根据新形势新要求，为进一步加强农业农村部学科群重点实验室体系建设，有关事项通知如下。

#### 一、加强学科群管理

一是优化提升学科群。按照改造改组、优化提升的总体思路，

— 1 —



中国科学院地理科学与资源所



吉林省农业科学院



内蒙古自治区农牧业科学院

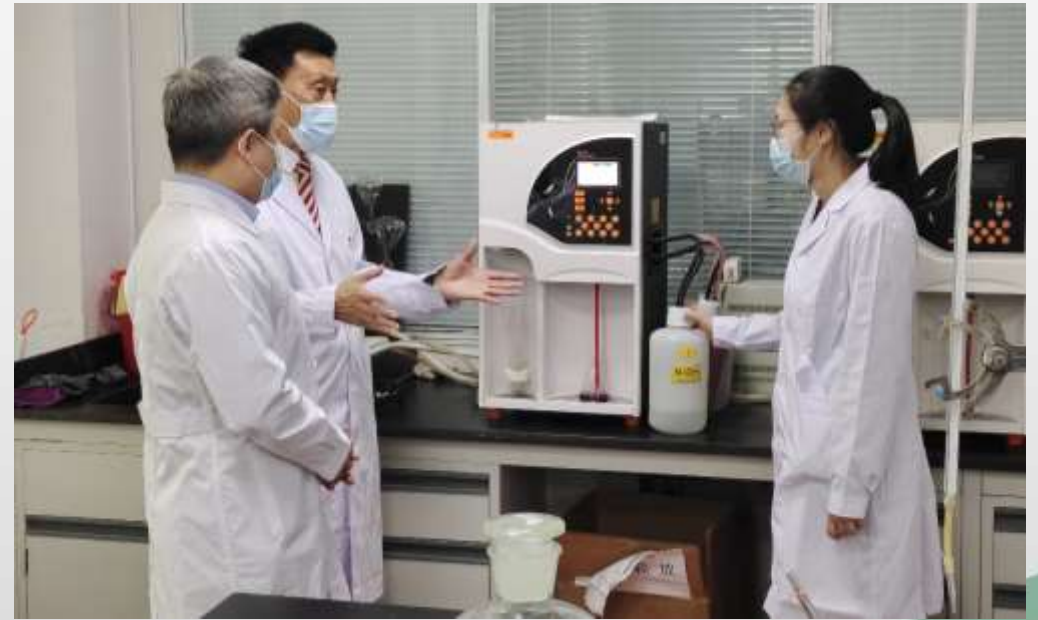


# 国际黑土研究院

International Research Institute of Black Soil

## 国际黑土研究院举办了“世界黑土保护利用高峰论坛暨全球土壤伙伴关系国际黑土研究院启动大会”

The International Research Institute of Black Soil held the World Summit Forum on the Protection and Utilization of Black Soil and the launch conference of the International Research Institute of Black Soil of Global Soil Partnership, and served as the deputy Secretary-General.





# 国际黑土研究院日常工作

Daily work of International Research Institute of Black Soil

主持翻译国际黑土研究院文件，主持国际会议和撰写报告，

召开学术会议，研究黑土研究发展前沿。

Presided over the translation of documents of the International Research Institute of Black Soil, presided over international conferences and wrote reports, held academic conferences, and studied the frontier of black soil research and development.





# 参加高水平学术论坛

## Participate in high-level academic forums



中国农业科学院植物保护研究所  
INSTITUTE OF PLANT PROTECTION  
CHINESE ACADEMY OF AGRICULTURAL SCIENCES

“加速解决我国粮油危机和多元化问题”  
香山科学会议邀请函

尊敬的韩贵清院长：

您好！

香山科学会议“加速解决我国粮油危机和多元化问题”学术研讨会拟于2022年10月26日-28日（26日报到）在北京香山饭店举行，会议由香山科学会议办公室主办，中国农业科学院植物保护研究所承办。



黑土地保护与国家粮食安全保障  
思考与建议

韩贵清

二级研究员

联合国粮农组织国际黑土研究院 主席  
国际农业教育科学院 院士

香山科学会议是我国科技界以探索科学前沿、促进知识创新为主要目标的高层次、跨学科会议。会议以评述报告、专题报告和深入讨论为基本方式，探讨科学前沿与未来。在香山会议上作了题为：《黑土地保护与国家粮食安全保障的思考与建议》的大会主题报告。

The Xiangshan Science Conference is a high-level, interdisciplinary conference in China's scientific community with the main goal of exploring the frontiers of science and promoting knowledge innovation. The conference explores the frontiers and future of science in the basic way of comments, special reports and in-depth discussions. A keynote report entitled "Reflections and Suggestions on Black Soil Protection and National Food Security" was delivered at the Xiangshan Conference.

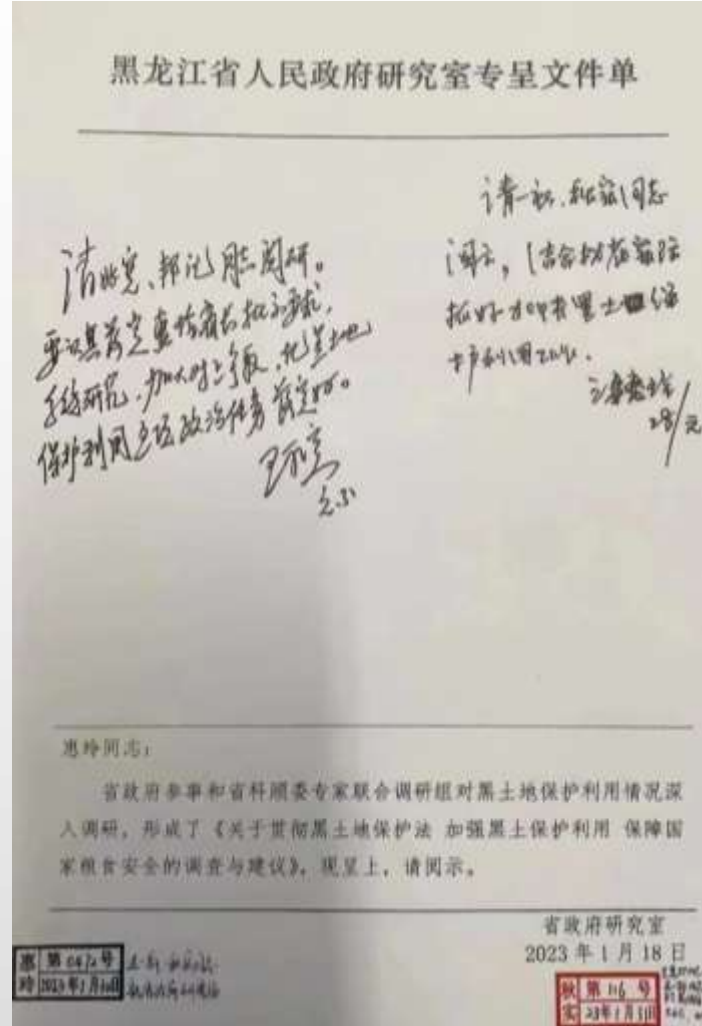




# 为政府行政提供建议和对策

## Provide suggestions and countermeasures for the government administration

黑龙江省委、省政府领导在省政府参事《关于贯彻黑土地保护法，加强黑土保护利用，保障国家粮食安全的调查与建议》上的重要批示：黑龙江省省长梁惠玲批示：请一新、秋实同志阅示，结合我省实际抓好加强黑土保护利用工作。



### 关于贯彻黑土地保护法加强黑土保护利用保障国家粮食安全的调查与建议

党的二十大报告指出：要坚持绿水青山的理念，坚持山水林田湖草沙一体化保护和系统治理，全方位、全地域、全过程加强生态环境保护。作为重要耕地资源的东北黑土不仅是我国粮食的稳压器和压舱石，也是世界的大粮仓。全世界三大黑土带面积7.25亿公顷，约占全球耕地的17%，供养了世界1/3的人口。2010年全球66%的葵花籽、51%的小米、42%的甜菜、30%的小麦和26%的土豆以及大量大豆、玉米、水稻都产自黑土带。黑土保护利用是关系国家粮食安全、社会稳定和人类健康的千秋伟业。全国人大为黑土地保护进行立法，把黑土视为“国宝”进行保护和利用，是新时期党中央做出的重大战略部署。

为保护和发挥黑龙江独特黑土优势，省政府参事联合省科顾委专家组或黑土保护利用联合调研组，采取实地踏查、



# 中国-俄罗斯国际合作项目

## China-Russia International Cooperation Project

### 协助黑龙江省黑土保护利用研究院申请中国俄罗斯国际合作项目 《中俄黑土地土壤有机碳演变规律与可持续利用技术合作研究》

Assisted Heilongjiang Black Soil Conservation and Utilization Research Institute to apply for the China-Russia International Cooperation project "Research on the Evolution Law and Sustainable Utilization Technology of Soil Organic Carbon in China-Russia Black Soil "



Cooperation agreement between HABSCU and Moscow Timiryazev Agricultural Academy on the conservation of black soil resources

There are three famous black soil belts in the world. The first large black soil belt runs from the Great Plains of Eastern Europe through Central Asia to Northeast China; the second largest black soil belt is in the Central Great Plains of North America; the third largest black soil belt is in the Pampas of South America. Total area of blacks cover 725 million hectares worldwide. The black soils are the world's breadbasket, and all are currently degraded to varying degrees, affecting world food security. In order to deepen cooperation between the world's black soil countries in the field of black soil resources research and conservation, prevent further degradation of land resources and ensure sustainable agricultural development, the Black Soil Conservation and Utilization Research Institute of Heilongjiang Province and Moscow Timiryazev Agricultural Academy have agreed on the international cooperation for sustainable management and protection of black soil resources and reach the following agreement.

1. Main contents of cooperation:

- (1) Cooperative research on the conservation of black soil resources.
- (2) Joint application for international cooperation projects in order to obtain financial support for scientific research.
- (3) Exchange of experts for scientific research and joint training of technical personnel (through further training and postgraduate education) according to a mutually agreed plan.



# 贯彻宣传《黑土地保护法》

## Implement and publicize the Law on Protection of Black Soil

开展“黑土·粮丰”黑土地保护周主题活动。面向全省，制作成黑土地保护利用条例。本次黑土保护周活动，展览的内容有科研一线人员、从事黑土保护科研单位、热心公益等精彩掠影。

We carried out the theme activities of "Black Soil • Grain Abundance" Black Soil Protection Week. Regulations on the protection and utilization of black soil will be made across the province. This black soil Protection Week activity, the exhibition contents are front-line scientific research personnel, engaged black soil protection research units, enthusiasm for public welfare and other wonderful glimpses.







# 土壤医生计划 (SDP) —— 中国计划

## Soil Doctor Program (SDP) - China Program



### Concepts to highlight

- The factors contributing to the formation of soil (climate, biology, topography, rock and time) can also be linked to soil degradation.
- Preventing soil degradation is one of the main challenges taken into account the time needed for soil to recover.

**“土壤医生”中国计划：**《土壤测试方法手册》  
( Soil Testing Methods Manual, STMM ) 旨在为土壤研究人员和农民提供土壤健康关键参数评价的一系列方法，以期为土壤研究人员和农民提供初步的土壤数据。



# 国际黑土研究院

International Research  
Institution of Black Soil

## 2023年 工作计划

Work plan for  
2023



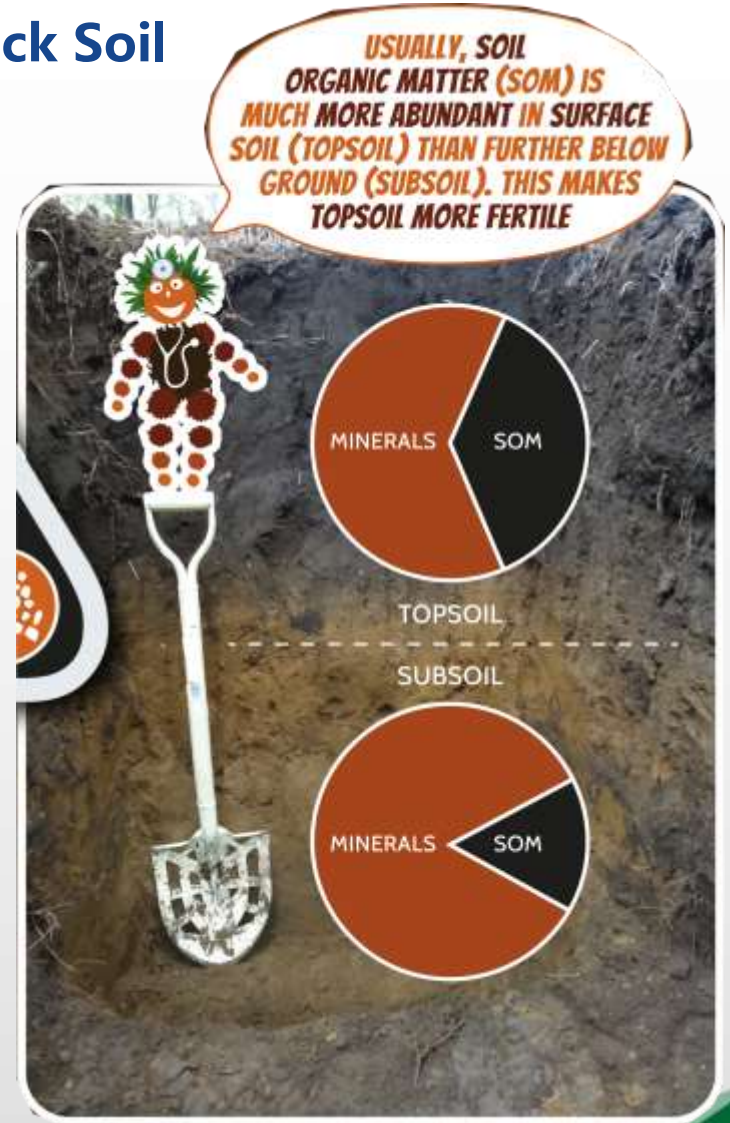


# 推进黑土院与粮农组织全球土壤医生合作项目

Advancing the collaboration project between the Black Soil Academy and FAO's Global Soil Doctors



全球土壤医生  
Global Soil Doctors



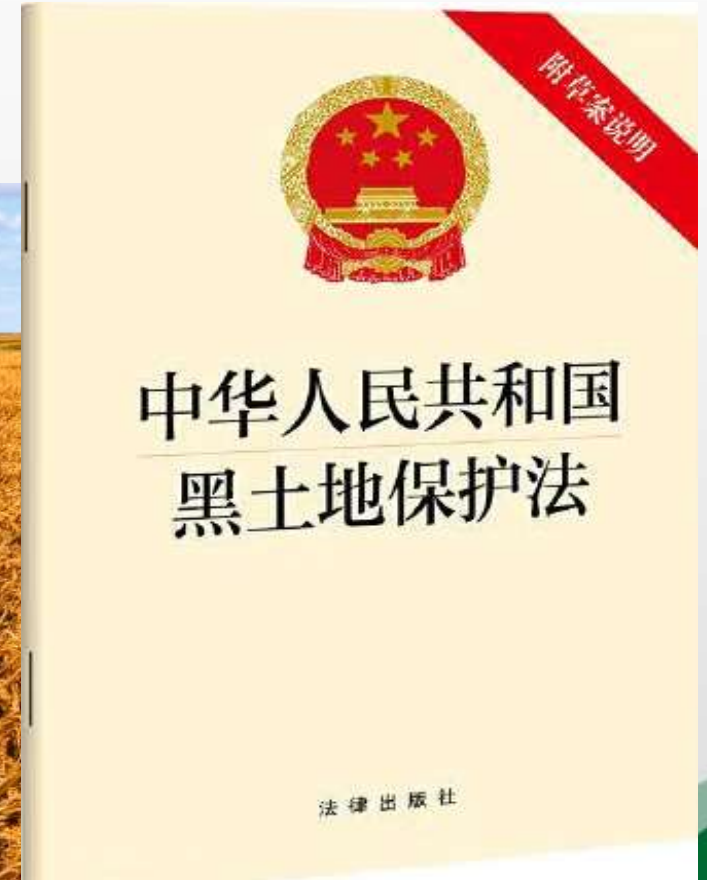
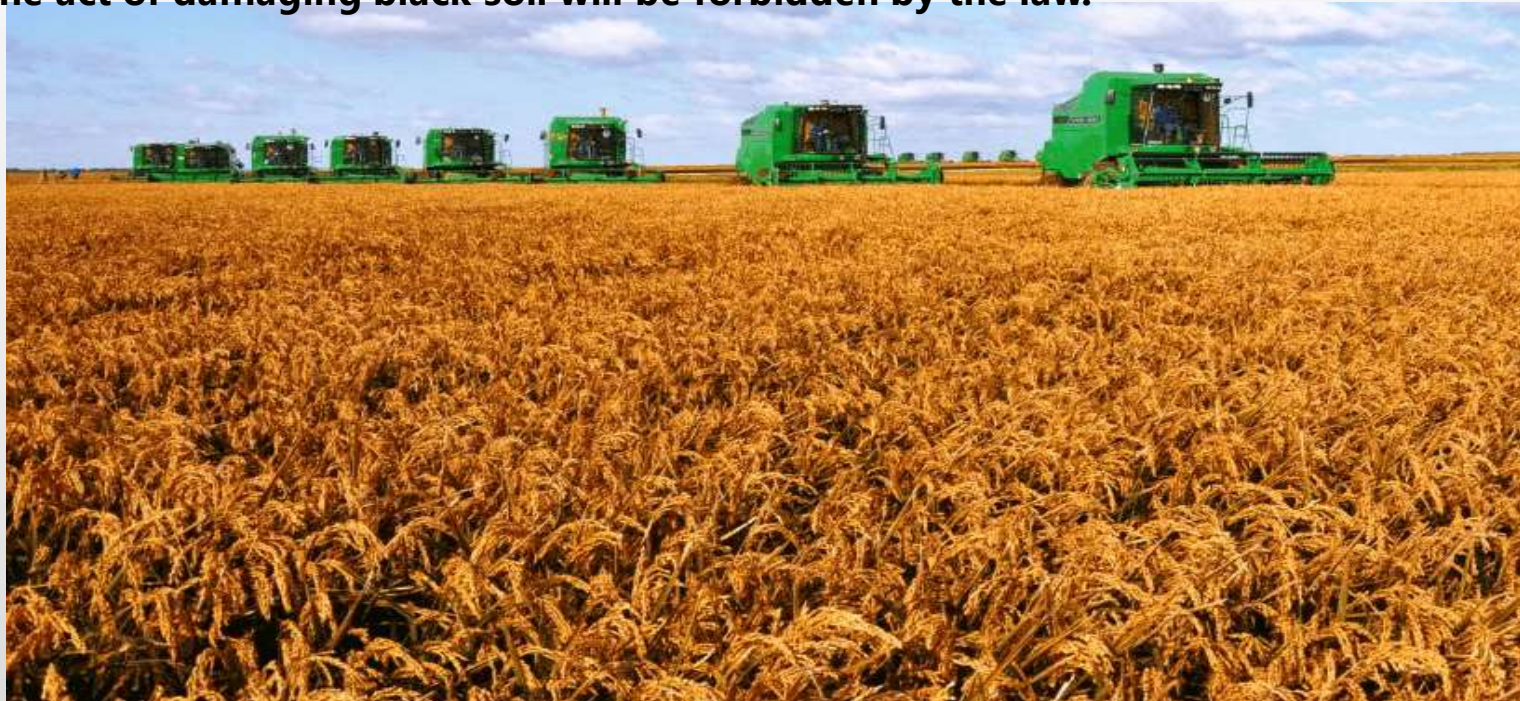


# 贯彻宣传《黑土地保护法》

## Publicize the Law on Protection of Black Soil

继续办好国家土地日和黑龙江土地宣传周，继续贯彻宣传《黑土地保护法》，让更多的认识黑土、保护黑土，将破坏的黑土的行为上升到法律意识中。

Continue to hold the National Land Day and Heilongjiang Land Publicity Week, continue to implement and publicize the Law on the Protection of Black soil, so that more understanding and protection of black soil will be made, and the act of damaging black soil will be forbidden by the law.





# 承办国际高水平学术会议

## Undertake high-level international conferences

借助“世界黑土保护利用高峰论坛”的东风，继续扩大国际黑土研究院的影响力和世界学术地位。拟再次承办国际高水平学术会议。

Taking advantage of the "World Summit on the Protection and Utilization of Black Soil", the International Black Soil Research Institute will continue to expand its influence and academic status in the world. It plans to host another high-level international academic conference.





感谢聆听

Thanks