The future of agriculture is digital
农业的未来是数字化

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BASF Digital Farming 巴斯夫数字农业

Field Of Vision 愿景

Hope for the Future: Agriculture and Technology
未来的希望：农业和技术

Changing consumer behavior: increased demand of food quality, transparency and sustainable farming practices
改变消费者的行为：对食品质量、透明度和可持续农业操作的需求增加

Ageing population and labor shortage, increasing farming input efficiency
人口老龄化和劳动力短缺，提高农业投入效率

Environmental regulations e.g. 2060 China carbon-neutral ambition
环境法规，例如2060年中国碳中和目标

Growing population: 9 billion people must be fed from a limited, cultivated area of just 4%.
不断增长的人口：只有4%的有限耕地面积必须供养90亿人。

Risks in crop production, Uncertainty in weather, tough decisions
作物生产的风险、天气的不确定性、艰难的决定

BASF Agricultural Solutions committed to four global sustainability targets
巴斯夫农业解决方案致力于四个全球可持续发展目标

-30%
CO2 per ton of crop produced by 2030
2030年每吨作物生产的二氧化碳排放量降低30%

Climate Smart Farming
气候智能农业

Supporting farmers to become more **carbon efficient** and **resilient** to volatile weather conditions
帮助种植者提高碳效率，适应多变的气候条件

+7% p.a.
Sales growth of solutions with substantial sustainability contribution
对可持续发展有重大贡献的解决方案销售占比每年提高7%

Sustainable Solutions
可持续解决方案

Increase the share of **sustainable solutions** we bring to farmers year by year
我们为种植者带来的可持续解决方案的份额逐年增加

400+
million hectares supported by digital technologies by 2030
2030年将数字技术惠及4亿多公顷农田

Digital Farming
数字农业

Helping farmers to grow **profitably** and reduce their **environmental footprint** with digital tools
通过数字化工具帮助种植者实现赢利性增长并减少环境足迹

Safe
Use of our products with the right stewardship
践行产品责任，确保安全使用我们的产品

Smart Stewardship
智能产品责任

Striving for zero farming incidents that impact human health and the environment
力求影响人类健康和环境的农业零事故

Our goal – to find the **right balance** for success for farmers, agriculture and future generations – helping them achieve a **better yield**
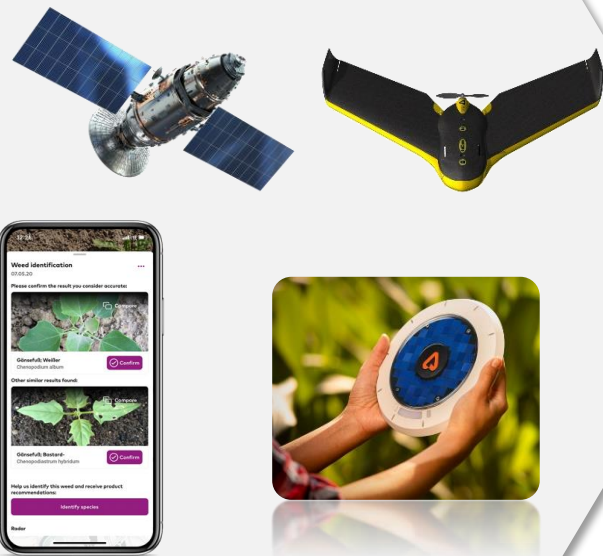我们的目标 – 致力于为种植者、农业和子孙后代找到平衡的成功之道 – 帮助他们获得更高产量

Imagine you know EVERYTHING happening on your field
Mission: to improve and automate crop production
想象一下你对农田发生的所有状况了如指掌
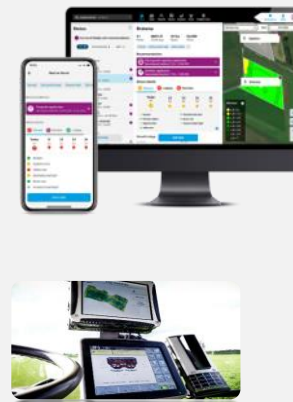使命：改善和自动化作物生产

Capture data
捕获数据

Agronomic Decision Engine
农艺决策引擎

Recommendation/ Advice
推荐/建议

Crop Health Guarantee
作物健康保障

Sensors
传感器

Decision Making
决策制定

Do!
做！

Assurance
保证

powered by BASF

Key products 主要产品

✓ **More than 5 million users**
  超过500万用户
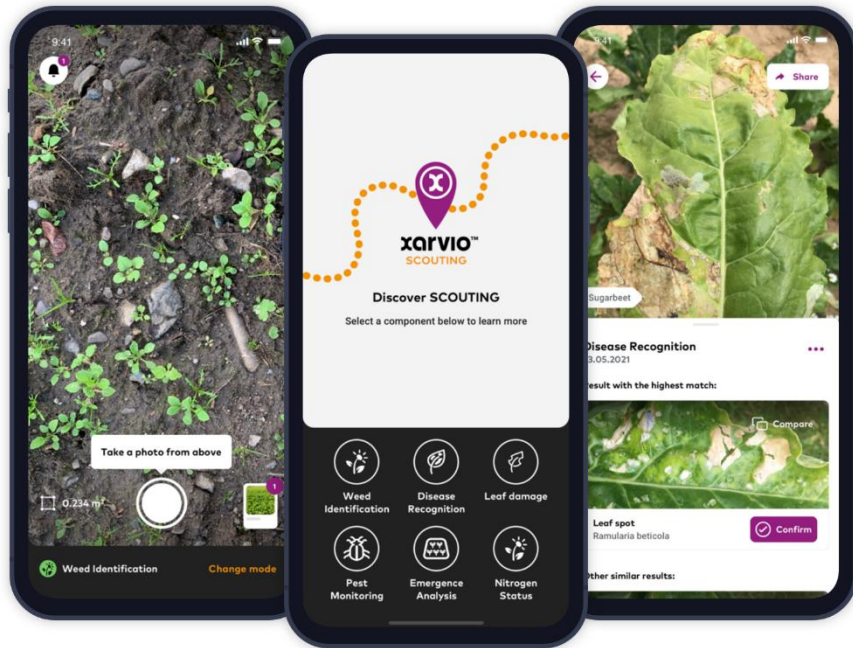
✓ **Over 25.6 million acres of land managed**
  管理的土地超过2560万英亩

xarvio™
Digital Farming
Solutions
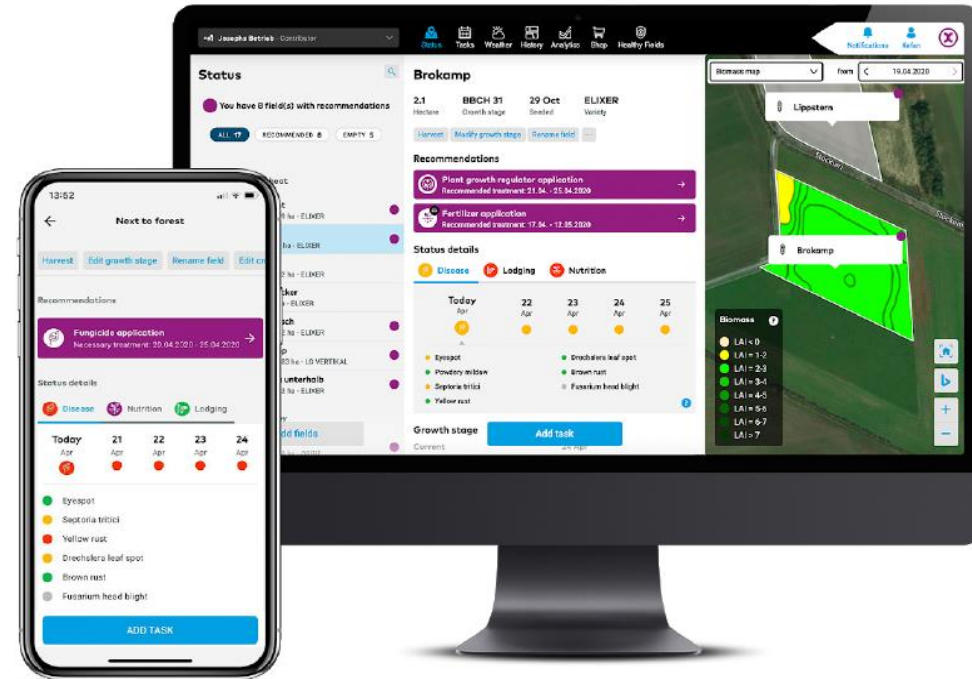
xarvio®
SCOUTING

xarvio®
FIELD MANAGER

Key products 主要产品

✓ **Guaranteeing outcomes and reducing risk**
保证成果和降低风险

✓ **Variable applications and documentation made easy 可变的应用程序和存档简单**

xarvio®
HEALTHY FIELDS
powered by BASF

xarvio®
CONNECT

Global presence 全球应用
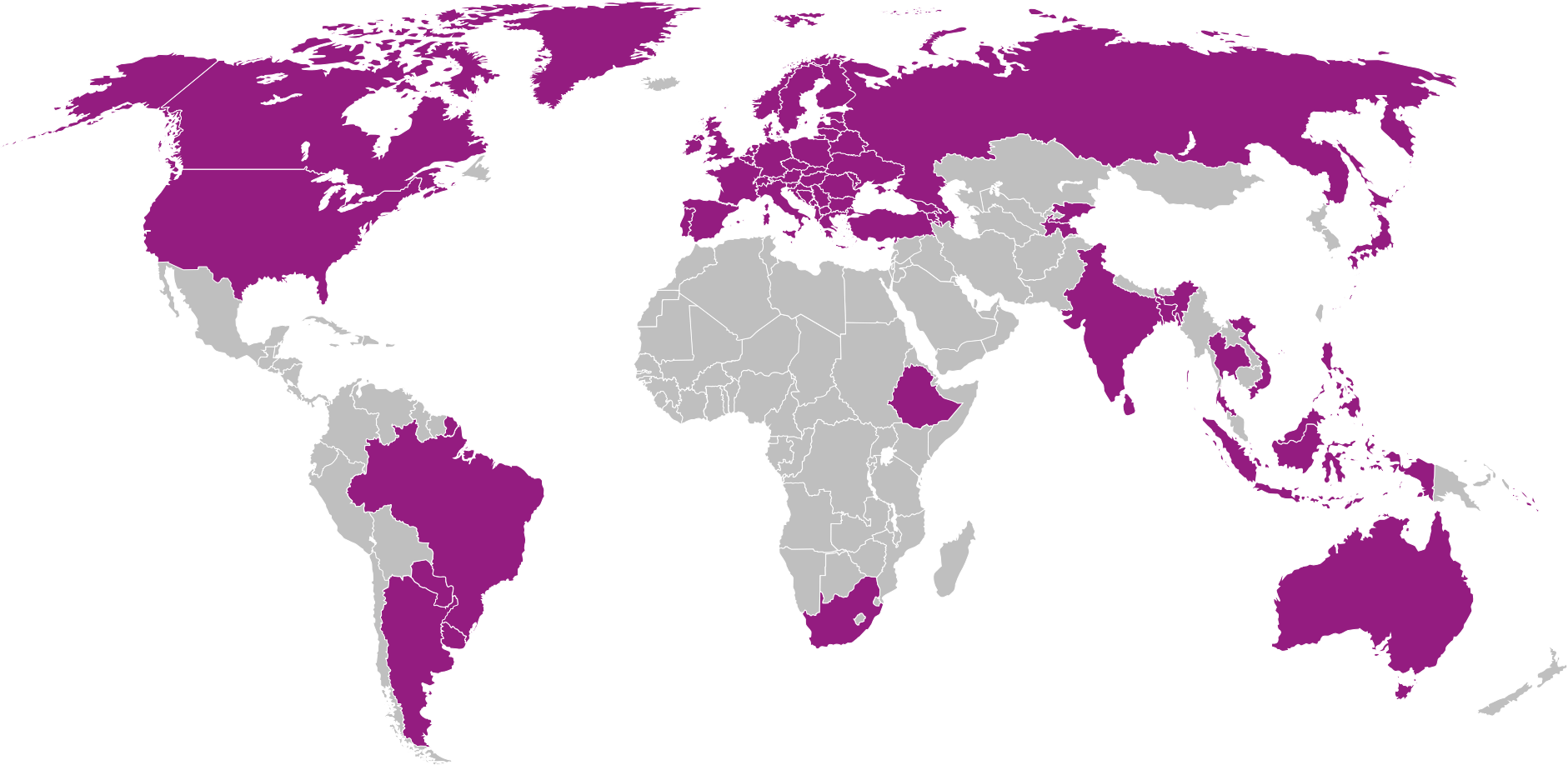
Solutions used in more than 100 countries and by more than 5 million users.
解决方案在超过100个国家和超过500万用户使用

powered by BASF

Implementing sustainability measures in crop production more easily with xarvio FIELD MANAGER

使用xarvio FIELD MANAGER更容易在作物生产中实施可持续措施

Sustainability is a goal for many,
可持续性是目标

xarvio FIELD MANAGER puts it into practice：
xarvio FIELD MANAGER付诸实践：

- Optimised product application 优化的产品应用

- Sustainability assessment (AgBalance)
  可持续性评估（AgBalance）

- Biodiversity measures 生物多样性措施

- Automatic integration of buffer zones
  自动化缓冲区
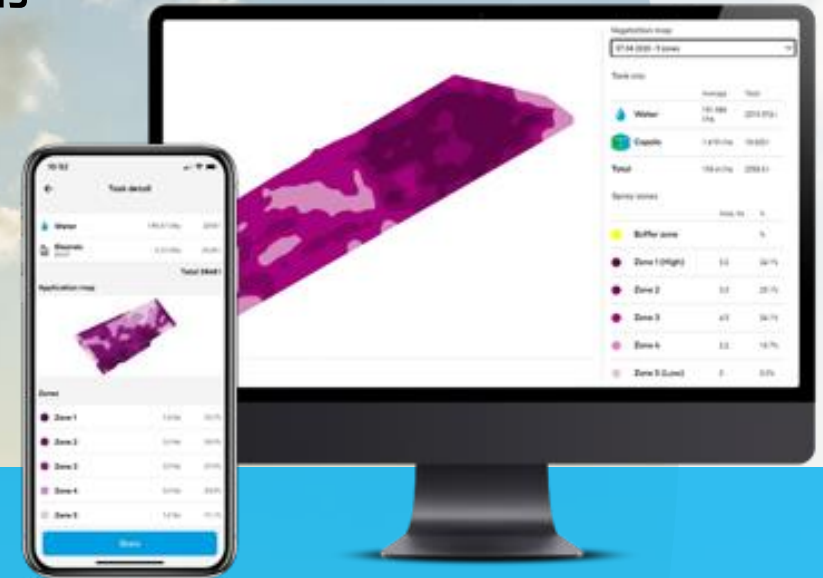
**Getting closer to your goal
with FIELD MANAGER.
与FIELD MANAGER一起离您的目标更近。**

xarvio™
FIELD MANAGER

SMART SPRAYING
智能喷药
Because a minus of up to 70 percent means a big plus for us all.
因为高达70%的减施对我们所有人来说都意味着巨大利好。

xarvio™
Digital Farming
Solutions

Why treat the whole field ...
为什么处理所有田块......

... when only a few patches need it?
......何时仅需要处理几块田块?

xarvio SmartSprayer

Get it right at the first go! 一开始就做正确的事!
Use the right herbicide... 使用正确的除草剂……

- at the right time 正确的时间
- in the right place 正确的地点
- in the right quantity 正确的用量

Weed zone spray using drones
使用无人机对杂草区域喷药

Digital Weed Mapping Service
数字化杂草测绘服务

xarvio™
Digital Farming Solutions
powered by BASF

Management of resistant and difficult to control weeds (Problem)
抗性杂草和难防除杂草的管理（问题）

Digital weed infestation maps (Solution)
数字化杂草入侵地图（解决方案）

Direct applicability with spraying (Action)
直接喷药的适用性（行动）

Benefits 益处

EFFICIENT MANAGEMENT OF WEEDS 杂草的有效管理
Reduction of losses due to grass-competition 由于杂草的竞争降低损失
Weed resistance management 杂草抗性管理
Specific control of resistant weeds 抗性杂草特殊防治

OPTIMIZATION OF RESOURCES IN THE FIELD 田间资源的优化
Water saving 节水
Input optimization 投入优化
Simple and efficient operation简单和有效运行

TECHNICAL SUPPORT DURING OPERATION 运行期间的技术支持
Full time field support 全职人员田间支持
Sprayer configuration 喷雾器配置
Support during the application 施药期间的支持

Thank you for your time and attention
感谢您的时间与关注