Building Agricultural Solutions: Connecting Multi-Level Information from IoT to Satellite Data for Precise Agronomic Advice

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xarvio[®] Digital Farming Solutions





Foundation date



Headquarters in Germany with major offices in BR, AR, USA, CA, FR, JP, IT



BASF Group ownership



Employees in agronomic modelling, data science, technology, engineering, commercial



Agricultural users worldwide



25+

Years experience in crop modelling following acquisitions of ZedX Inc. (USA), proPlant (GER) and IntelMaxCorp. (CAN), Horta (IT)







seeding harvest

We offer advanced digital farming solutions and services that enable our customers to make the most of every hectare across the whole crop production cycle.



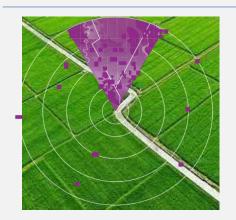
xarvio - a digital ecosystem to optimize crop production





xarvio FIELD MANAGER delivers timely, precise and field-zone specific agronomic advice for every job step during the season.





xarvio HEALTHY FIELDS offers a customized, seasonal crop protection for each field and comes with a success guarantee.





Bosch's camera sensors and xarvio® AG intelligence for precise weed control, delivering clean fields with maximum input efficiency.

So what?



How can the **integration** of **multi-level information**, advanced **technologies**, and **data analysis** revolutionize agriculture, empowering farmers with **actionable insights** to optimize **crop management** and achieve **sustainable** practices?



Our leading edge digital technology



Receiving Data

Analyze and Recommend

Implement







Mobile Apps / Sensors

Agronomic Decision Engine

Optimized Crop Production

Understand what is and will be happening on your fields

Automatic analysis and recommendations by agronomic models Models use AI and machine learning Implement the optimal dose per field zone at the best time.





In one single platform, supporting farmers from seeding to harvest





Agronomic models based on more than 25+ years of experience



250+ annual

validation trials

globally to fulfill

our highest

prediction accuracy

standards



Field specific crop protection spray timing and dosage advice, with VRA and VRS applications



Weed zone spray image processing with full service from drone flight to herbicide application map in 48h



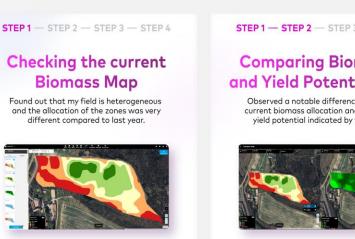
Improve efficiency through optimal use of fertilizers, seeds and crop protection

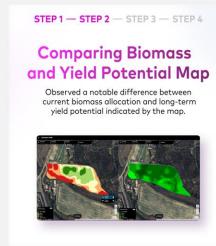


Increase profitability
by achieving higher
yields and
optimizing input
efficiency in the
most sustainable way

Precision application for optimized Oilseed Rape production













Collaboration is key in the digital farming space



































































Thank you

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