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myKWS vitality check: optimized maps for biomass and nitrogen uptake

The myKWS vitality check functional area allows users to analyze the vitality of plant stocks using satellite images. An optimized display of the biomass and a map showing the nitrogen uptake of the plant stocks now offer users of the application further advantages.

Fully exploit the potential of innovative varieties and generate clear recommendations for day-to-day work, for example on fertilization, weed control or sowing rates: The myKWS vitality check tool makes an important contribution to making agriculture more sustainable and to securing and increasing yields. The functionality of the application has now been further optimized and expanded in a number of areas.

With an improved biomass display, the vitality of the crop can now be measured and displayed over the entire cultivation year. Cooperation and access to data from YARA, an internationally active manufacturer of fertilizers, make that possible. The unique YARA N-Sensor Index calculates the general state of health of plants based on the light they reflect. Even in late growth phases, thanks to the high data quality, changes in the biomass can be seen and differences within a plot can be differentiated, so that farmers can take individual agronomic measures for different zones in a field at any time.

In addition, myKWS users can now also access a YARA nitrogen uptake map for their crops. The nitrogen uptake of the plants is measured in kilograms per hectare, and farmers can measure the accumulated nitrogen uptake – represented by different colors on the map – throughout the development of the plant until maturity and adjust their fertilization in an even more targeted manner, if necessary.

About KWS

KWS is one of the world's leading plant breeding companies. Nearly 5,000 employees* in more than 70 countries generated net sales of around €1.68 billion in the fiscal year 2023/2024. A company with a tradition of family ownership, KWS has operated independently for almost 170 years. It focuses on plant breeding and the production and sale of seed for sugarbeet, corn, cereals, vegetables, oilseed rape and sunflower. KWS uses leading-edge plant breeding methods to continuously improve yield for farmers and plants' resistance to diseases, pests and abiotic stress. To that end, the company invested more than €300 million last fiscal year in research and development.

*excl. seasonal workforce

More information: www.kws.com. Follow us on LinkedIn: [LinkedIn KWS Group](#)

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