



For Immediate Release

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## Launch of “O2 Grain Pulse - Spring Wheat”: A Global Crop Production Index Powered by Satellite Data

### *Supporting the Grain, Finance, and Media Industries with Reliable Satellite Data*

Yokohama, Japan – January 14, 2025 – Otani & Co. is pleased to announce the launch of “O2 Grain Pulse - Spring Wheat”, a global crop production index based on satellite data. Utilizing data from sources such as Copernicus satellites, this platform provides timely and consistent insights into global spring wheat productivity.

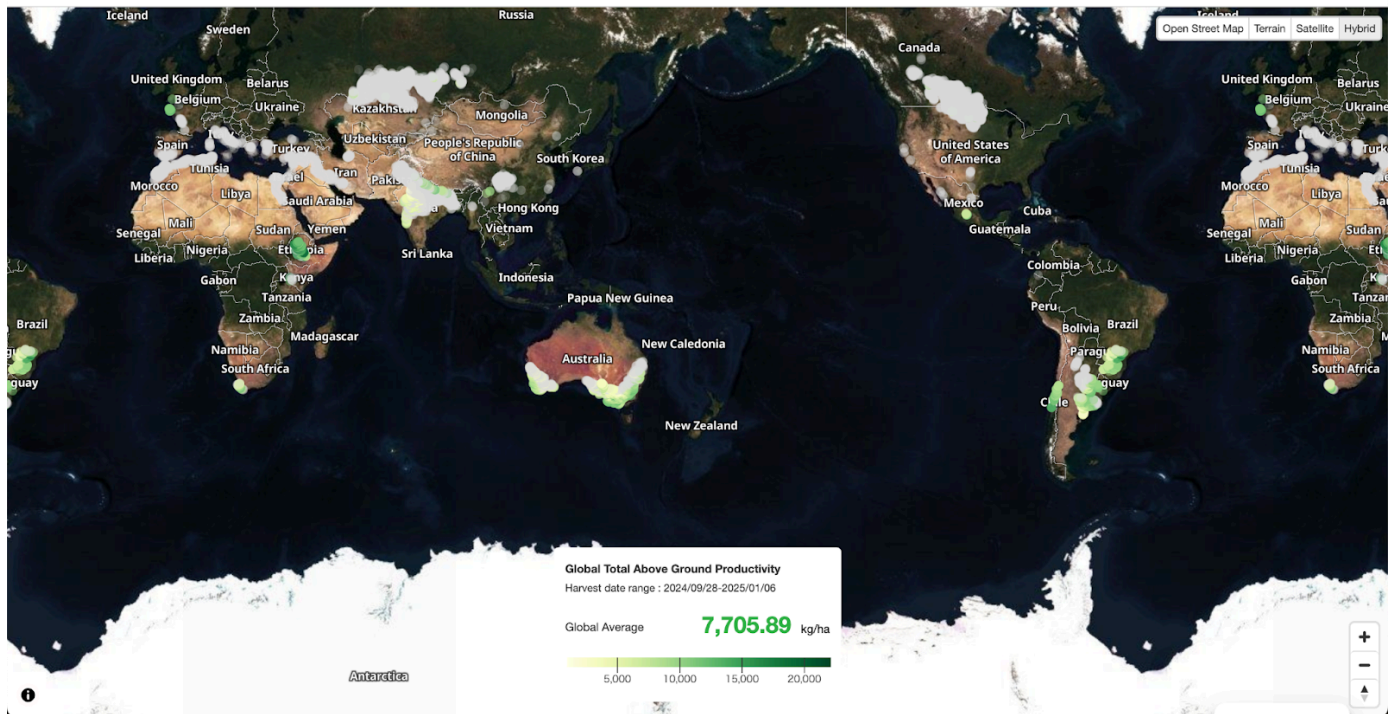
### Key Features of “O2 Grain Pulse - Spring Wheat”

1. Global and Localized Data:
  - Offers metrics for Global Total Above Ground Productivity and localized Total Above Ground Productivity (TAGP) at two resolutions:
    - 12.5 km x 12.5 km grids (approximately 30,000 globally)
    - 300 m x 300 m grids (approximately 30 million globally)
2. Accessible Data for Analysis:
  - Users can download TAGP data in CSV format, enabling comparisons across regions and countries. The consistent calculation methodology ensures reliable cross-border analyses.
3. Additional Metrics for High-Resolution Grids:
  - The 300 m x 300 m grids provide further details, including:
    - Estimated total above-ground productivity within the grid
    - Field area measurements• Predicted harvest quantities
    - Estimated market prices for wheat and flour
4. Regular Updates:
  - Data is refreshed daily for each grid, allowing users to combine datasets and generate new insights based on current information.
5. Broad Applications:
  - The platform’s datasets can be applied to:
    - Forecast commodity prices
    - Analyze stock market trends (e.g., Nikkei 225)
    - Evaluate the performance of companies in milling, food production, and dining sectors
6. Potential Future Enhancements:
  - Otani & Co. is considering integrating tools to generate detailed reports using imported datasets and satellite imagery, providing additional value for users.

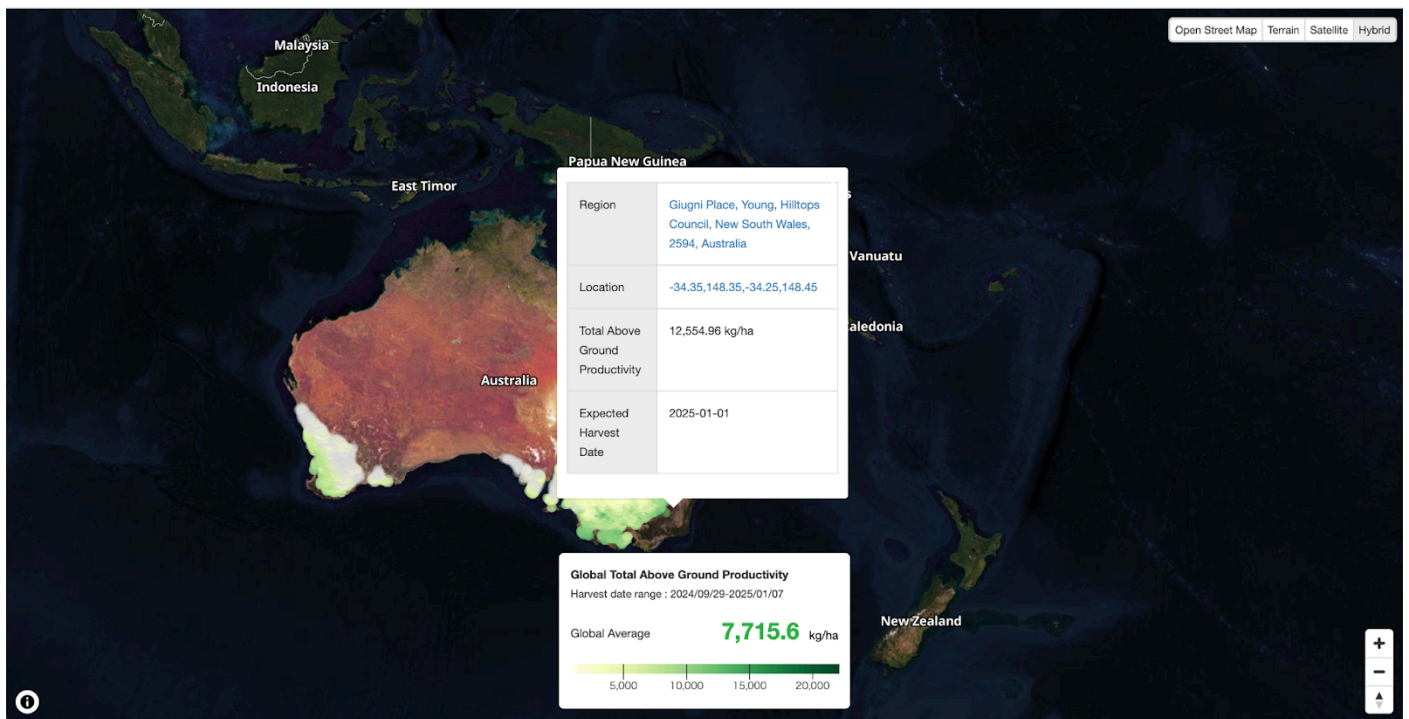
### Service Overview

- URL: <https://otani.co/o2/grain-pulse/spring-wheat/>
- Pricing: Free of charge
- Coverage:
  - Global, with approximately **30,000 grids** at 12.5 km x 12.5 km resolution
  - Approximately **30 million grids** at 300 m x 300 m resolution
- Target Crop: Spring Wheat (including winter wheat in the Southern Hemisphere)

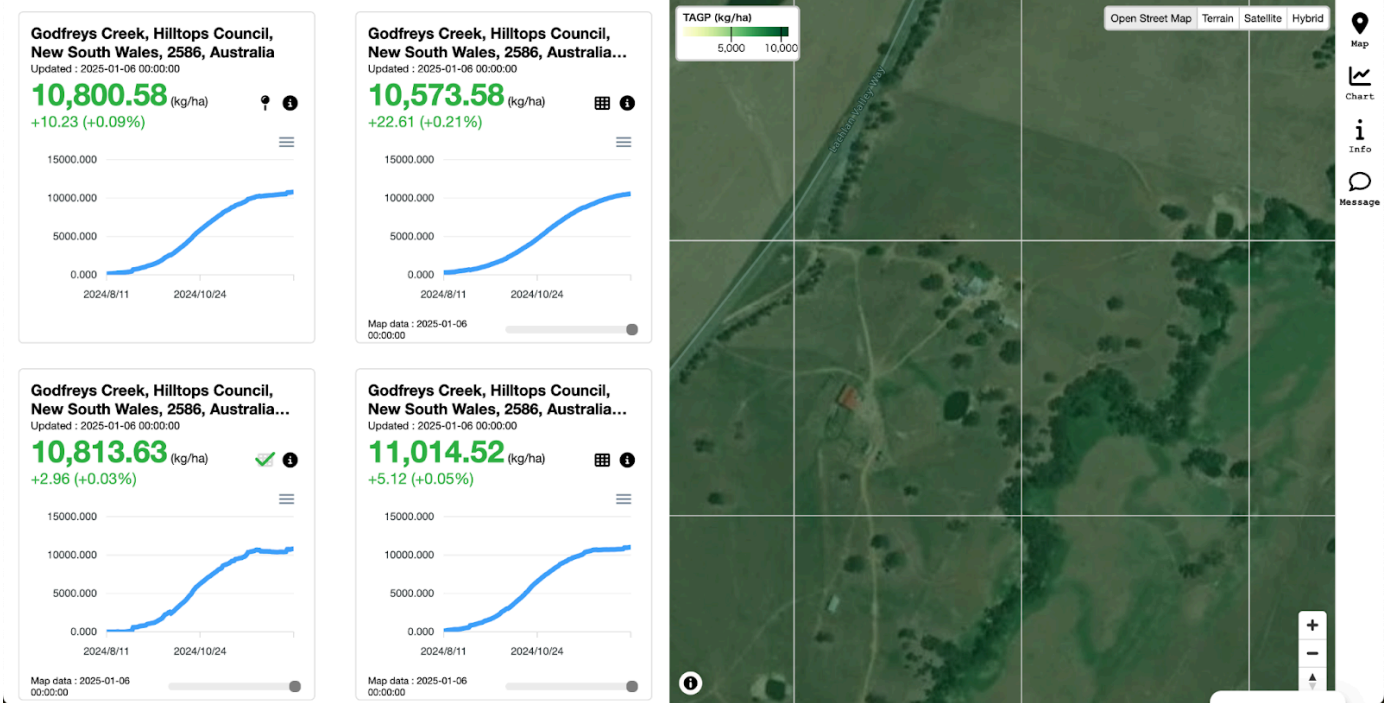
# Images



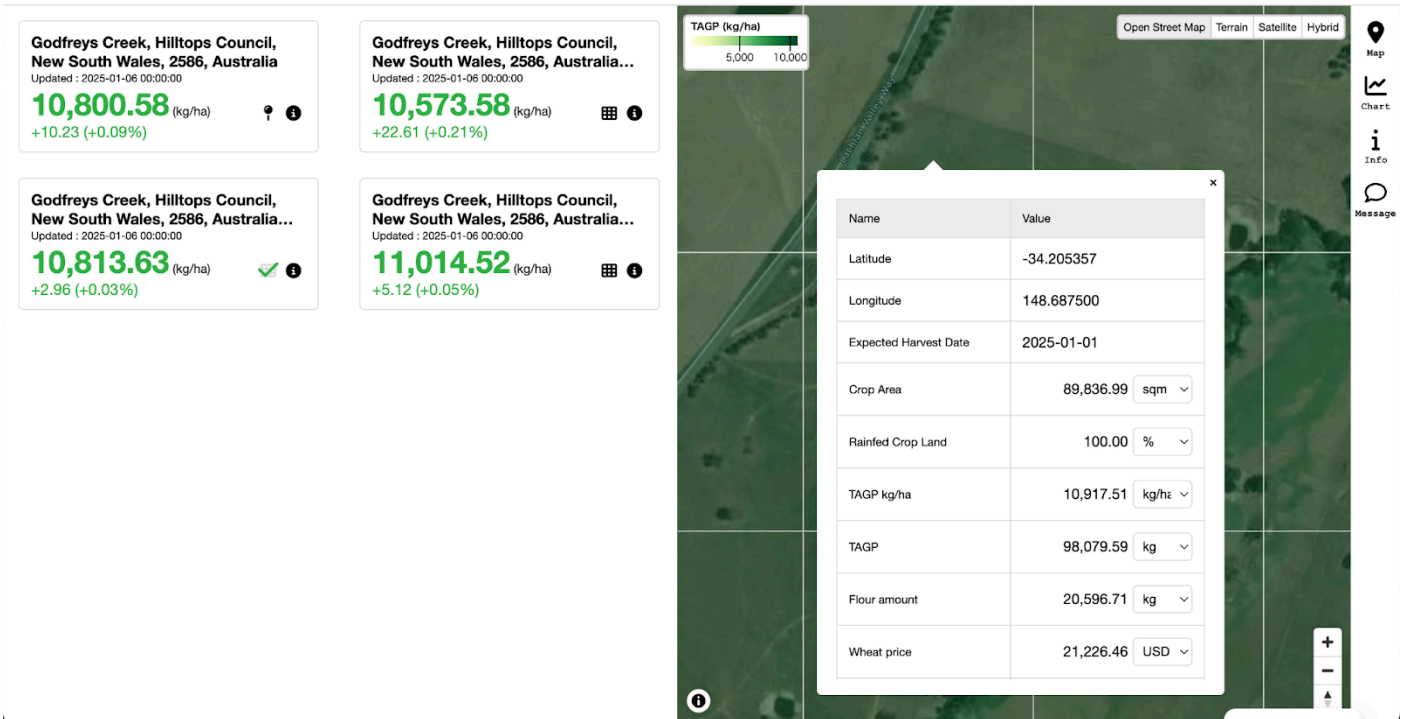
Top (Global Total Above Ground Productivity is 7,705.89 kg/ha)



Popup 12.5km x 12.5km



Grid 300m x 300m



Grid Popup 300m x 300m

## **About Total Above Ground Productivity (TAGP)**

TAGP measures the total biomass of a crop's above-ground components per unit area, expressed in kilograms per hectare (kg/ha) or tons per hectare (t/ha). These components include stems, leaves, and grains, making TAGP a useful metric for assessing crop growth and yield potential.

### **Learn More**

Discover how "O2 Pulse - Spring Wheat" can support your analysis and decision-making. Visit our platform at <https://otani.co/o2-pulse/spring-wheat-estimated-tagp-map/> or a concept page at <https://otani.co/help/o2-grain-pulse/>, or contact us for more information.

### **About Otani & Co., Inc.**

Otani & Co., Inc. is a geospatial data science company that provides a variety of services, including data visualization, analysis, and consulting. The company was founded in 2010 and is headquartered in Yokohama, Japan. The previously developed software "GEEO" that estimates property and land values with statistical algorithms and open data was awarded both The Encouragement Award for Open Data Application by the Minister for Internal Affairs and Communications and The Good Design Award, one of the prestigious awards for design in Japan.

A digital CV of Yuichiro Otani, a founder of Otani & Co., Inc., can be found in the link below:

<https://otani.co/yuichiro-otani-cv/>

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If you would like more information about this topic, please email [pr@otani.co](mailto:pr@otani.co)