November 2024 Release v3.5.0

We’re excited to announce the launch of INVISION v3.5.0! This release introduces the **Field Edge Exclusion Tool** along with several improvements to usability and performance.

New Features

- **Field Edge Exclusion Tool**
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  - Designed to remove **head rows** and **end rows** from harvest data, preventing poor-yielding edges from skewing aggregate statistics.
  - Previously automated, but now users can **manually adjust buffer distances** in GIS Workstation using a **slider tool** for precise modifications.

- **Treatment Comparison Chart**
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  - A new chart in the **Insights panel** displaying **actual yield values** (e.g., bu/ac, lbs/ac, tn/hectare).
  - Similar to **Yield Comparison (%)**, this new chart helps users quickly visualize and compare treatment outcomes.

Enhancements

- **INVISION Mobile App Improvements**
  - Restructured backend API calls for **faster field & visit loading**, improving navigation efficiency.
  - Fixed an issue where field visits were incorrectly marked as **complete when no questions were answered**, adding safeguards to prevent errors.
- **Soil Service Optimization**

    - Refactored soil-service for **faster retrieval of soil data layers (SSURGO, CANSIS)**.
    - Optimized Common Land Units retrieval, improving **aggregate soil insights** and reducing database redundancy.
- **Protocol Export Enhancements**
    - **Updated export emails** with detailed metadata, improving **export identification** and clarity for users.
    - Implemented **backend quantile classification** of yield data, shifting calculations from frontend to backend for faster **Productivity Map** loads in **View Fields & GIS Workstation**.

Bug Fixes

- Fixed an issue where **Field Notes images** appeared rotated correctly on desktop but were misaligned in PDF reports.
- Resolved a bug where **harvest dates** entered in the **General section** were not appearing in **harvest PDF reports**.

Closing the Year Strong!

It’s been a fantastic year for INVISION, and none of this would be possible without your support, feedback, and dedication. Thank you for making it all happen!

Wishing you a joyful holiday season!

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