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SMS Basic and Advanced Version 14.50.000x Release Notes

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1. Minimum System Requirements

The following are the minimum system requirements for the software to run at an acceptable performance level:

- 1 GHz processor or higher
- Windows XP SP3, Windows VISTA SP2, Windows 7 SP1, Windows 8.x (Not RT)
- 256 MB RAM
- 4 GB Application/Data storage space
- CD-ROM or DVD-ROM drive

2. Installing the Software

It is recommended that you do not install the software on the same drive that your operating system is installed, normally the C:\ drive. The reason for this is that some C drive sizes are not very large and you could run the risk of filling up this drive with your collected and processed data. This can cause your computer to run very slow and cause operational problems if the computer does not have enough free hard drive space to run properly, since your operating system for the computer runs from this drive.

Follow these steps to install the software:

1. Insert the Installation CD into your CD-ROM or DVD-ROM drive. The CD menu should now automatically start-up, if it does not, then open your CD-ROM folder and select Autorun.exe.
2. Click on the Install button on the screen to start installing the software.
3. Follow the directions on the screen.

3. Upgrading from v14.x to v14.5x

Upgrading from v14.x to v14.5 may require several hours to complete depending on the amount of data in your system and the capabilities of your computer. Please contact Technical Support if you encounter problems while upgrading to v14.5. The upgrade process will automatically convert the data you already have in the system to the data structure of the new version. Saved v14.x backups can also be restored without compatibility issues and will be migrated after they are restored.

Migrating from versions prior to v14.x to v14.5 is not supported. Backups from versions prior to v14.x can also not be migrated to v14.5. If you are still running a version older than v14x and would like to install v14.5, you must first install and migrate your data one version at a time in order until you have v14.x installed, at which point you can install and migrate to v14.5. Please contact Technical Support if you have any questions or concerns about this process.

Follow these steps to migrate from v14.x to v14.5:

1. Make sure that you have created a Backup in the software or have at least copied your DATA directory. This will ensure that your data is safe should something go wrong during the migration. For Advanced users, also make sure you have checked in any projects that you might have checked out.
2. Once you have your data backed up, you need to install using one of the following methods:
 - a. Using Check for Updates... (Internet Connection Required)
 - iv. Start the software and go to the HELP menu and select Check for Updates...
 - v. Follow the wizard steps to download and install the latest version of the software.
 - vi. Once the install is complete, start the software.
 - b. Using a CD...
 - i. Insert the software CD into your CD-ROM or DVD-ROM drive. The CD menu should now automatically start-up, if it does not, then click on the My Computer icon and open your CD-ROM or DVD-ROM drive by double-clicking on it.
 - ii. Click the Install button and follow the installation instructions.
 - iii. Once the install is complete, start the software.
3. You will now be prompted by a message about the migration process starting. Depending on your computer, number of files that need migrating, and the amount of data you have this could take multiple hours to complete or less than 15 minutes. Click OK to start the migration or Cancel if you would rather do the migration a different time. If you click Cancel you will not be able to run software until you complete the migration, which you will be prompted to do every time you try to start software until it migrates the data.
4. Once the migration completes, the software will start and all your information from v14.x should have been migrated and accessible just like it was before the installation and migration to v14.5.

4. New Features and Changes (Basic and Advanced)

V14.50.000x

- Added support for latest Ag Leader INTEGRA / VERSA/ COMPASS display software (v5.4)
 - Product definitions now include the ability to set a mix component as a carrier.
- Enhanced support for importing/exporting from AgFiniti
 - Supports filtering by Tag values when importing
 - Supports exporting Tag values in setup exports (AGSETUP files).
- Enhanced support for JD GS2/GS3 displays
 - Changed logic for merging data to keep data separate from different machines working in the same field.
 - Support for latest display software versions.
- Enhancements to reading of AGCO ISO11783 TaskData
- Enhancements to import/export of ISO11783 data
- Enhanced support for Hemisphere/AgJunction displays
 - Added support for the MAX and STX displays.
- Enhanced Trace Boundary functionality to provide greater accuracy.
- Enhanced support for Insurance exports
 - Automatically optimizes swath/coverage data to improve results.

- Improved accuracy of partial polygons and results created for each unique date that data was collected on.
- Added new Soil Survey related attributes
 - Crop productivity index attributes (NCCPI)
- Enhancement to Simple Analysis – Optimize Swath Widths tool
 - Added a new option that maintains the base spatial format and doesn't merge data into new polygons but instead adjusts overlapping log data to partial swaths or removes them if completely overlapping.
- Enhancements to support of Water Management (Tiling)
 - Added new tool for merging tile runs together.
 - Added a divide runs by polyline tool.
 - Added a new selection of Min or Avg grade calculation for drainage coefficient.
 - Added a number of outlets attribute.
 - Added velocity statistic in the soil profile view.
 - Added velocity checks for runs when validating plans.
 - Added recommendations for tile sizing when validating plans.
- Added batch import support for LIDAR data. (Advanced Only)
- Added Landscape Position and Drainage Intensity attributes to Terrain Analysis results. (Advanced Only)
- Various other minor enhancements and tweaks...

5. Bug Fixes in:

V14.50.000x

- Fixed issues with *.AGDATA/*.AGSETUP file support
- Fixed an issue that prevented the Divide by Selection tool from working on polylines created in SMS Mobile.
- Fixed an issue that prevented long names for Linked Items saving properly.
- Fixed issues with reading in ISO11783 Task Data log files.
- Fixed issues with exporting ISO11783 Task Data setup files.
- Fixed issue with exporting some prescriptions that resulted in holes in the prescription.
- Fixed an issue with the Estonia projection definition.
- Fixed an issue that the Insurance Export from being available to SMS Basic users.
- Fixed an issue that prevented the import of Logical Value type attributes from generic file formats.
- Fixed an issue that caused multiple listings of the same user in the Shared filter results when downloading from AgFiniti.
- Fixed an issue with Divide by Line that would not return the right area on each side of the line.
- Fixed an issue that caused a crash when trying to view 3D terrain view on a Spanish language install.
- Fixed an issue that caused LIDAR data with units of feet to not import elevation values properly.
- Misc other minor fixes and tweaks...

6. General Notes and Issues

- Users creating tile plans from data logged with Ag Leader displays should review Technical Service Bulletin (TSB) - 003039 to ensure that the surface profile of the field is at the correct elevation to install field tile. For a copy of this TSB, please see your dealer, or contact Ag Leader Technology.
- Yield data logged with Trimble FMX display firmware prior to v4.x was being logged improperly per the ISO11783 file format that it uses to log data with. The Yield and Flow values will not read in properly and will require manual scaling to get them to display properly or read them in using the AGCO file group, which will still result in the flow values being incorrect.

- If you have existing saved Booklet templates that contain analysis functions that have multiple inputs in them you must first go into the Analysis Wizard and edit your saved functions and set the relative filters at the end of the edit wizard. Until you do this your saved booklets may not run properly.
- Conversions of guidance lines between field displays/guidance systems made by different companies may not result in perfect or exact replications of the original guidance lines because of limitations or the design of guidance line file formats used by different systems. Reading and exporting guidance lines from the same display format should result in identical or nearly identical results.
- Support for reading in AgriDNA XML files has been removed from the software.
- If you have read John Deere GS2 files into the software in versions prior to v9, changes have been made to the processing of GS2 data that will require you to either reprocess or re-read your data. Because of the changes that were made to reduce the number of datasets/loads/regions in the management tree if you reprocess your GS2 data you will get duplicate data. To fix this issue before hand or after it happens you just need to delete the datasets that are current in your management tree and reprocess or delete them after you reprocess your data. The new and old datasets will NOT merge so you don't have to worry about trying to separate new and old data.
- The attributes EC Shallow and EC Deep in versions prior to v9 used a dimensionless unit. These attributes should have been using the Electrical Conductivity dimension and for v9 they have been changed. This means that any existing data that you had in the software for these attributes runs a high risk of not being scaled properly since we don't know what units they were in when the data was imported or manually entered. To fix this data you must either delete the data and re-read the original files or apply a Simple Analysis Scale factor to the data.
- When using the Network Install version of Advanced it is strongly recommended that you do not try and Check In or Out Projects when connected to your network via a VPN connection. The reason is because VPN connections introduce a large slowdown in file transfer performance for security reasons, and checking in or out involves the copying of a large number of files since it is copying all your data from a project.
- If you are having problems restoring or even creating backups with a network install, please try rebooting the computer you are working on and also reboot the server/computer where you have your Data directory installed. Also close any other programs that you may have running as a precaution during the backup or restore process.
- The software will not automatically transfer data from Precision Map 2000 or any other mapping software. You must use the File Open functionality and select the location and files that are stored in the mapping program that you have been using to read them into the software.
- DO NOT remove any files created by the software from the Data directory(s) or Vault(s). Doing so will cause undesirable results if you try to re-read the removed files into the software. The Reprocess Files selection should be used to re-enter data into the software that may have been removed using the Delete Branch function.
- If you receive a Mode Index error while reading files, please contact the Technical Support group. There is either a problem with the files that you are reading into the system or a problem with the data links within the software.
- It is recommended that you not run other applications while running the software, as this will possibly use up RAM and processor time.
- Please disable Norton Applications when installing and running the software. Certain Norton programs interfere with the normal operation of the software. It is also recommended that Norton Applications or other Virus Scanning application be disabled while running the software since you will be creating files that the virus scanner might not understand and see as a virus.
- The summary screen shows incorrect acres for Case IH PT planters & New Holland SP planters that logged data with the ENS file format. The acres are displayed as half what they should be. Please use the steps below to correct the problem.

Steps to correct acres in the software;

- 1) Import the as-applied data.

- 2) Go to the Tools menu and select Batch Command Utility.
 - 3) Select the batch command Add Simple Analysis.
 - 4) Select the analysis function Scale Data, then click OK.
 - 5) Set the Operation to Planting, leave everything else set to All, then click the Next button.
 - 6) Click the Finish button on the next dialog.
 - 7) The Attributes to Scale dialog will now appear. Select the Swath Width attribute from the list on the left. Now click the Add>> button to place it in the window to the right. Now click the Next button.
 - 8) The Scale Factor dialog will now be displayed. Enter a scale factor to (2).
 - 9) Click the Finish button.
 - 10) Your area values in the summary and other locations should now appear properly.
- If the System Units are switched from English to Metric, the default attributes for Summaries, Reports, Charts, etc will not change but remain the same as they were for the English system. This may cause some confusion for Harvest related data since Volume based attributes and units will be displayed by default. To install more appropriate defaults for Metric users, there is an option during install for Metric or English Units install. This should be selected and more appropriate defaults for the system will be loaded. If you have already installed and did not set this properly, then you must uninstall the software and then reinstall and then select the appropriate units selection. You can also manually change the defaults that are displayed in the following locations to either remove these attributes and replace them with more appropriate Mass based ones or just change the unit that they are displayed with; General and Map Summaries, Reports, Charts, Print Layouts, and Map Settings – Tooltips and Queries.

For more information or questions about the software contact:

Ag Leader Technology
2202 South Riverside Dr.
Ames, IA 50010

Voice: 515-232-5363
Fax: 515-232-3595
Internet: www.agleader.com