

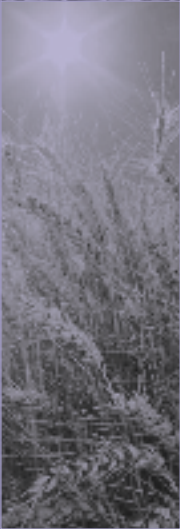
SGIS Agronomy Software



AGCO Corporation - 4205 River Green Parkway, Duluth, GA 30096 - Phone 800-767-3221 • Fax 770-813-6038
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Agronomy Software



SGIS

gta
Global Technologies
by AGCO

SGIS

Data Management and Analysis Software for the Professional Agronomist



GTA CONSOLE

AUTO-GUIDE

FIELDSTAR
The science of agriculture.

FALCON II

SGIS

AGCO, CHALLENGER,
FENDT, GLEANER,
GLENCOE, HESSTON,
LOR*AL,
MASSEY FERGUSON,
NEW IDEA, ROGATOR,
SPRA-COUCPE,
SUNFLOWER,
TERRAGATOR, TYE,
VALTRA,
WHITE PLANTERS,
WILLMAR

CROSS-BRAND
TECHNOLOGIES, PROVIDING
A FAST-DEVELOPING,
COMPREHENSIVE AND FULLY
INTEGRATED TECHNOLOGY
PRODUCT RANGE

The market-leading software for agronomy service providers, SGIS™ gives users a powerful, sophisticated tool for agricultural mapping and crop planning.

As the “engine” behind your precision agriculture effort, SGIS delivers insight, puts you in control and impacts profitability.

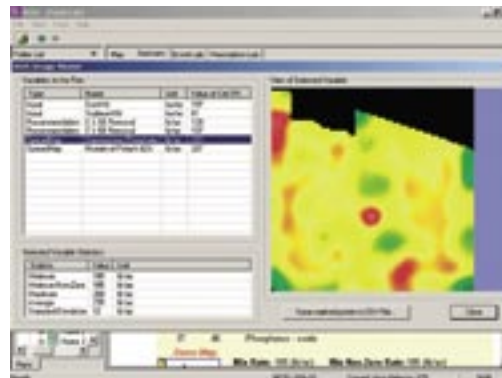
SGIS converts yield, soil sample and other agricultural data into geo-referenced maps that professionals can use to better understand crop performance and make more accurate application plans. SGIS users can more efficiently and effectively offer multi-product and variable-rate plans that are customized to growers’ local conditions and requirements. SGIS software guides your agronomic and economic recommendations—and more profitable crop production decisions.

Precision from Initial Data Import to Final Analysis

SGIS™

SGIS imports data from many different source types, such as yield maps or soil samples, and guides the user through correction and customization of the information. The system then helps professionals generate application plans, written for specific implement controllers, which maximize yields and minimize appropriate resource use.

With SGIS, for example, crop inputs such as nutrients are applied only to those areas of the field that need them and at the exact rate required for improving a particular crop yield and quality.



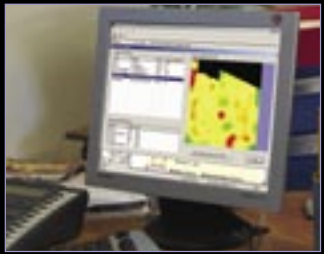
Data Import

SGIS software accepts data types and formats from a wide range of implement manufacturers. SGIS templates and program wizards let you quickly import soil test data and spatial or relational information. And for accuracy, SGIS applies data range filters as well as an automatic unit conversion capability.

The SGIS system imports and manages grower information, by farm and field name, in a single database. Users can easily assign crops to fields for current and future record-keeping, and define individual map views. Additional features—such as area measurement, map layering and management zones—support the assignment of specific yield goals.

Data Correction

The SGIS harvest data processing option incorporates yield information into the decision-making process. A simple import wizard converts various data formats from combine monitoring systems. And other advanced features guide adjustments based on variables such as crop mass, moisture content and GPS delays. All of these features contribute toward more accurate yield maps.



Agronomic Customization

A recommendation builder module lets you write rules tailored to your local requirements. Based on standards that you customize, these formulas or equations guide the development of application plans. This feature sets SGIS apart in that it lets agronomists input their knowledge of local conditions and preferred crop husbandry practices.

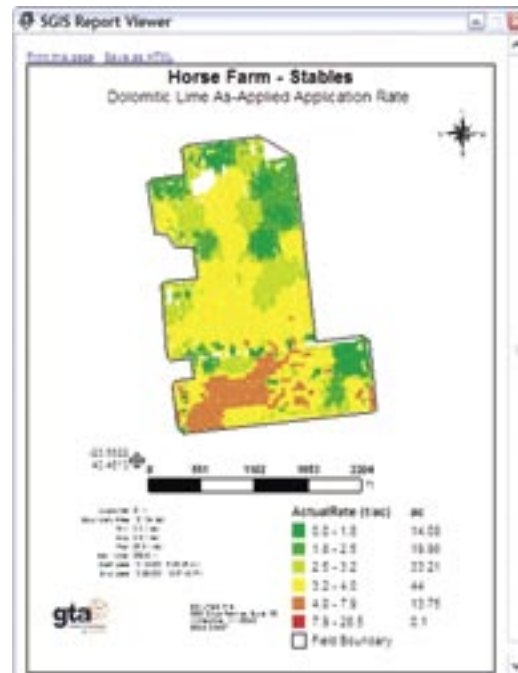
Application Plan Generation

Based on existing data and recommendations, SGIS creates flat-rate or variable-rate application plans for either single or multiple products. For convenience and workflow efficiency, frequently-used plans can be saved for future use.

You can use SGIS application plans across a broad range of products with Fieldstar, Falcon II, or virtually any controller. And an 'as-applied' feature maintains detailed application reports that serve as a record of the scope and quality of your application work.

Profit Analysis

The SGIS profit analysis calculator guides key management decisions on controllable crop inputs. SGIS guides the user in evaluating profit potential, yield projection or other objectives. The profit analysis is just one example of the many user-defined reports SGIS has to offer.



As-applied data report

System Requirements

- Processor: Pentium IV, 1.5 GHz (or higher)
- Hard drive: 40 Gb (or greater)
- Memory: 512 Mb RAM (or higher)
- Operating System: Windows 2000 or Windows XP
- Software: Access 2000
- Backup: CDRW or tape backup

Built on ESRI Technology

- Built on industry-leading ESRI Arc8 GIS components
- All data stored in a single geo-database file
- Geo-database uses standard relational database
- SGIS geo-database compatible with all ESRI GIS software products

