

AGForm-3D

Field Design, Grading, and Survey Software



Intuitive and easy-to-use solution for improving surface drainage and irrigation efficiency.

Water Management is an essential and integral part of today's precision farming practices. Effective water management makes the most efficient use of the world's most precious resource while protecting the environment.

- **Powerful, unique non-planar design capability**
- **Design fields with single or multiple sections**
- **Handy tools calculate distance, slope, area, and volume**
- **Easy integration of survey, design, and grading of agricultural fields**
- **AGForm-3D with a HiPer AG provides a complete ag survey system**

AGForm-3D Field Design, Grading, and Survey Software



AGForm-3D is an intuitive and easy to use solution for improving surface drainage and irrigation efficiency. AGForm-3D features a unique and powerful capability for for non-planar (piecewise continuous) surface designs.

AGForm-3D allows you to create optimal design surfaces by choosing single planes, multiple planes, and non-planar surfaces. AGForm-3D provides 3D, plan, and profile views of the existing topography to help you choose the best design. The 3D view can be rotated to any angle so you can see the highs and lows. Profiles can be drawn anywhere in the field along any direction. Once your design is complete, you can use the same views to visualize the design surface.

Design field sections as best-fit plane, single slope, or dual slope planes. Break the field into multiple sections to reduce yardage, shorten haul distances and minimize topsoil cuts. AGForm-3D is ideal for large fields that require multiple sections. Section lines are easy to define, and each section can have its own unique planar design. You can even omit sections from your final design.



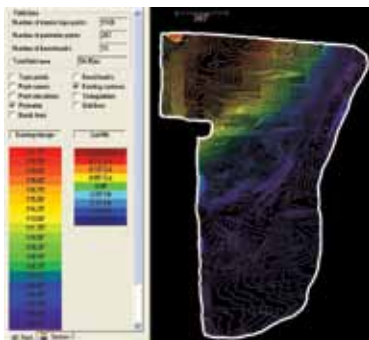
Cut-Fill Contour Map



Cut-Fill Grid Map

AGForm-3D allows you to design non-planar surfaces that provide positive drainage and closely follow existing contours with no vertical steps in the design surface! To design a field, you can specify the acceptable slope range maximum cut value, import/export quantities, and other constraints. Simply enter the design parameters and let AGForm-3D do the complex work of finding the surface that minimizes earth volumes.

AGForm-3D also provides handy tools to calculate distances, slopes, areas, and volumes - very helpful to determine export volumes for roads and levees or monitor grading progress. Images can be displayed in plan views or profile views and summary reports can be printed.



View existing ground and designs using contour or 3D graphical views.

Computer System Requirements

- Microsoft XP Professional, Windows 7
- 1.2 GHz processor or greater
- Min 512K RAM
- 80 GB hard drive or greater
- CD-ROM
- Color printer
- PCMCIA dual-type card reader
- SD card reader
- Microsoft Internet Explorer



Ideal Companion for your System 210

AGForm-3D is the ideal field survey and design program to complement your System 210 Landleveling System. AGForm-3D with a HiPer AG gives you a complete ag survey system. Conveniently survey with a pickup truck or ATV. Perform fast, accurate, surveys from one setup, even with large elevation changes, irregular shapes, dust, wind, or fog.

Using AGForm-3D on your laptop or tablet PC, design the field, then transfer the files to the X20 controller for automatic GPS control. Files are easy to move using a USB thumb drive. Retain natural slopes while smoothing highs and lows that impede water flow or simply level the problem sections. The integration of survey, design, and grading of agricultural fields has never been easier!

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