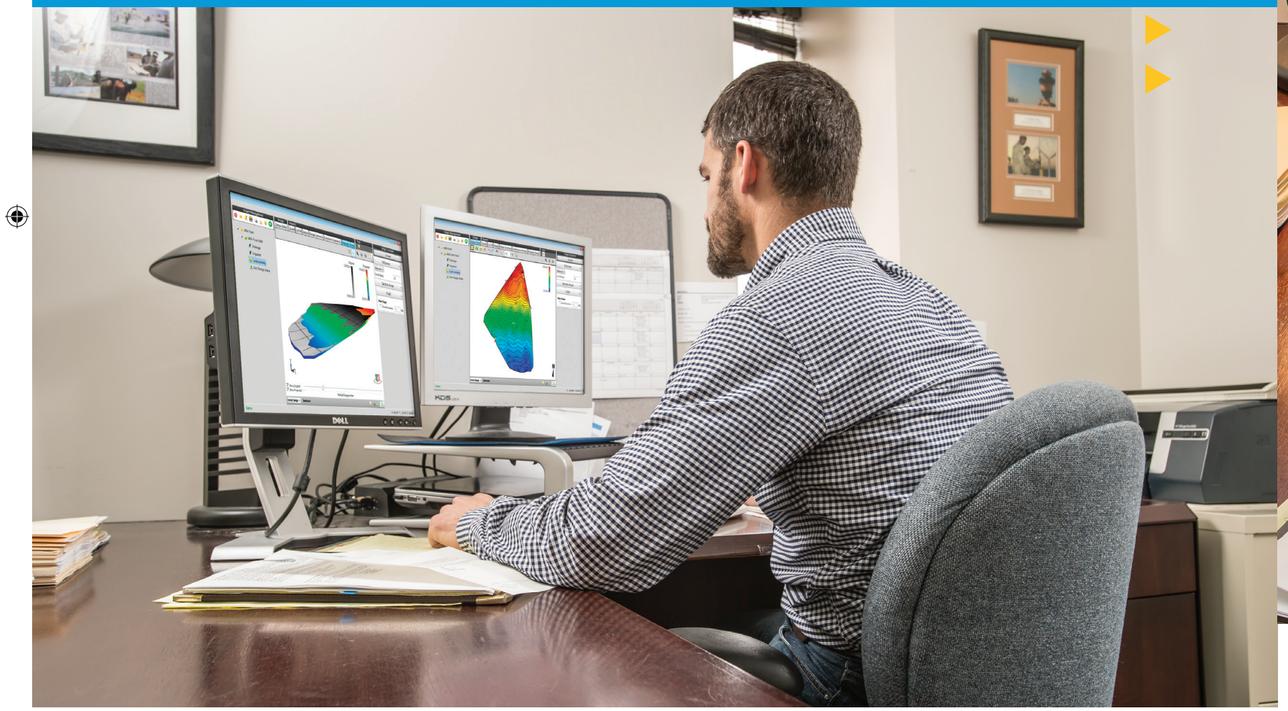
Trimble Agriculture's Water Solution Business

Water is one of nature's most precious resources, and one that farmers worldwide must utilize effectively in order to meet the ever-increasing demand for food. As much as seventy percent of the world's fresh water is used for agriculture purposes. It is essential for farmers to adopt agriculture technologies that optimize water distribution while minimizing water use.

Trimble has more than 30 years of experience in the water solution business, and our systems are proven to efficiently utilize water, improve crop quality, and increase yield. Because Trimble knows every dollar—and every drop—counts.



Contact your Trimble Ag Dealer today

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TRANSFORMING THE WAY THE WORLD WORKS



Trimble WM-Form Land Forming Solution

TRANSFORMING THE WAY THE WORLD WORKS

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Get Problem Areas Producing

Some land just won't cooperate on its own. It doesn't drain well or it has too many low spots or hills to produce consistently. You either struggle against it year after year or you just let it sit idle. Either way, it isn't making you money.

Whether you're a grower or an earthworks contractor, the Trimble® WM-Form™ land forming solution can help you fix those underproducing areas—while also minimizing the amount of earthworks and controlling the cost.

With easy-to-use surface design tools and flexible parameters, the WM-Form solution can help you create and implement leveling, surface drainage, and furrow irrigation designs that optimize the field surface for effective water management and produce a more consistent yield.

FIX UNDERPERFORMING AREAS

You'll get problem areas producing in no time, while you:

- Open up more acres to be farmed
- Enable optimal water distribution and drainage
- Minimize disturbance of valuable topsoil
- Reduce erosion and minimize flooding by effectively channeling water in the right direction
- Create more uniform production and increase yield
- Minimize the amount of earthworks and reduce land forming time and costs

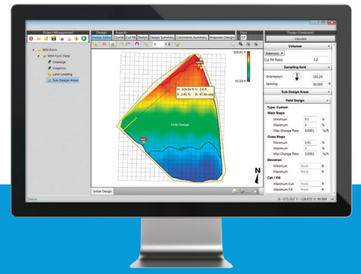
ONE INTEGRATED SOLUTION

As a complete end-to-end workflow, the WM-Form solution allows you to perform field survey, analyze topography, create an optimized design, export earthworks reports and control files, and conduct land forming operations on the machine.

Benefit from Trimble's 30+ years of proven water management experience to get your problem areas producing in no time. Because the WM-Form solution builds upon field-proven Trimble solutions, you never need to worry about compatibility issues or the accuracy of your field design.

- Start by surveying your field with your Trimble display
- Create the land forming design using the WM-Form software
- Form the land utilizing the FieldLevel™ II system
- Verify the design was accurately completed using the WM-Topo™ survey system

Your investment in these Trimble technologies can be leveraged over other agriculture solutions. This cross-functional utility means you get more from your investment.



FLEXIBLE DESIGNS TO MEET YOUR NEEDS

The WM-Form software enables you to design variable-shaped fields based on existing topography, the water needs of individual crops, and your own farming practices.
It allows you to:

- Level fields with single or multiple planes using a best-fit or custom plane, or with multiple hinges
- Drain water in any direction via existing surface drainage features such as a ditch or existing surface drainage system
- Create multi-direction variable slope designs to optimize the surface for furrow irrigation
- Create section lines and design each section individually
- Generate multiple design variations for the field, then compare them in 3D view against the original topography
- Produce 3D cut/fill estimates and reports

TRY IT FOR FREE!

You can try the WM-Form software for free for 10 days with no obligation. Visit the trimble.com/agriculture website or contact your Trimble Ag reseller for additional information about starting your free trial today.





Survey

Collect 3D field data with ease using the Trimble WM-Topo survey system, FmX® integrated display, or TMX-2050™ display.

- Map your fields with precision RTK measurements to ensure the most accurate field surface designs
- Use Trimble displays to record boundaries, section line alignments, and interior data of the field
- Use the WM-Topo survey system to collect topographic data or section lines in hard-to-reach areas
- Import topographic surveys into the WM-Form software for analysis and design.

Analyze

Analyze topographic data in the WM-Form software to identify surface problems that are limiting yield potential.

- View the original field topography and slopes in 3D
- Determine areas that require leveling, surface drainage, furrow irrigation, or other sub-designs
- Analysis suite for getting a clear picture of the drainage issues before you design and validation that design doesn't highlight any other areas that need further attention before moving any soil

Design

Create an optimal field surface that balances your farming practices with water movement requirements and earthworks costs.

- Produce multi-directional land forming designs
- Create sub-design areas including level pads, pipe beds, tail ditches, or topsoil
- Add section lines, hinges, and exclusion zones for land leveling
- Generate furrow irrigation designs that account for row constraint and cross slope inputs
- Full design reports before you ever pay a dime for land forming designs. Pay by the acre only when you need to go move dirt and a control file is required

Estimate

Use the new design to estimate earthworks volumes and costs.

- Provide a design cost estimate that suits your customer's requirements
- Set a fixed fee or calculate a fee based on the total volume moved

Form

Leverage the 3D design to form the field using the Trimble FieldLevel II system.

- Import the field design generated by the WM-Form software into the FmX display or the TMX-2050 display
- Utilize the FieldLevel II system to form the land according to the design
- Perform earthworks operations using any make and model of tractor or scraper

Verify

Use the WM-Topo survey system or the FmX Plus App on the TMX-2050 display to validate each design has been accurately completed.

- Perform spot checks for grade and elevation to validate your land was formed according to the design

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