Precision Farming
The Intertek Solution

The global population is increasing, placing an increased strain on the natural resources and creating a dependency on crop yield. With 60% of the world’s land found in Africa, and yet only 3.7% of arable land utilised, the opportunity to develop sustainable agricultural practices and techniques becomes essential.

Precision agricultural practices can significantly reduce the investment in nutrient and crop inputs, whilst boosting yields, and providing you with substantial savings on your investment.
Working in partnership with Intertek can provide you with bespoke solutions to your needs, accurately targeting the crop’s requirements and providing recommendations to increase revenue.

By observing and responding to your land you are able to capitalise on the land’s natural resources, and accurately apply the right amount of input in the precise location, at the right time. This not only benefits your crop yield this year but creates a sustainable environment for future crop cycles.

The challenge
- Global farmers putting trust in bio technologies
- Commercial farmers battling the rising costs of inputs which outweigh the rise in cost of produce
- Rising food costs are the largest contributor to political instability in Africa
- Sustainable farming is becoming more and more difficult
- FAO estimates show that by 2030 about 75% of the projected growth in crop production in Sub-Saharan Africa will come from intensification in the form of yield increases (62%) and higher cropping intensities (13%), with the remaining 25% coming from arable land expansion

Our service
The solution is simple, increase the output (Yield per Hectare) whilst reducing the input.
- Soil analysis will help managing soil fertility
- Soil physical properties will determine crop potential, tillage practises as well as farm layouts
- Plant analysis will help to evaluate and manage the nutrient status of a crop during the growing season
- Water analysis will determine the risk involved in irrigation
- The above information will supply data to build an ideal environment for soil micro organisms to work effectively thus increasing yields

Benefiting you
Precision farming is the ideal solution to attract farming projects investors requiring a return on revenue (ROI) of 10% and more.
- To achieve this you need to bring down input costs by using precision farming technology, applying the right amount of fertilizer at the right place according to variable recommendation maps
- Change your tillage practise, for example from conventional tillage to conservation tillage, that will also bring down input costs
- Increasing yield is the most effective way to sustain and increase the ROI as well as managing your risk in crop production

With you all the way
Intertek through our global footprint and local expertise is able to offer all services in terms of precision farming including:
- GPS Soil Mapping and Sampling
- Analysis of Samples drawn
- Interpretation of results
- Recommendations
- Modification of equipment to allow variable rate applications of input
- Supply of electronic data for variable spreaders
- Management of all data pertaining to Soil Services
- Direct access by client to his/her data in real time to allow for informed decisions.

Intertek is the leading quality solutions provider to industries worldwide. From auditing and inspection, to testing, training, advisory, quality assurance and certification, Intertek adds value to customers’ products, processes and assets. With a network of more than 1,000 laboratories and offices and over 36,000 people in more than 100 countries, Intertek supports companies’ success in a global marketplace. Intertek helps its customers to meet end users’ expectations for safety, sustainability, performance, integrity and desirability in virtually any market worldwide.