FERTIGATION AUDIT SERVICES
IMPROVE NUTRIENT AND WATER APPLICATION TO OPTIMISE YIELD
Population growth and increasing production costs are forcing the agriculture industry to look for innovative ways to optimise production, improve quality and deliver ever greater quantities with the same resources. Fertigation audit services can help to reduce costs and optimise resources by controlling and improving inputs such as water, fertilizers and energy.

**SAMPLING**

Better understanding of irrigation systems starts with knowing what each sector of the field is receiving, both in fertiliser concentrations and water quantities. Irrigation water samples taken on the field, using high tech equipment and qualified personnel, empower growers to take decisive action to improve their system and with it the productivity of plants, as well as to reduce costs.

To ascertain how a system is working, our experts, using high tech equipment, quantify the chemical concentration of the irrigation solution.

**IRRIGATION SYSTEM AUDITS**

Before any changes are made to fertiliser and nutrient dosing in a particular field, it is essential to understand the effectiveness of its irrigation system. Is water being distributed evenly across the whole area? To establish these facts in detail, and provide evidence-based advice, our agriculture auditors and agronomists will:

1. Define the area of the sample irrigation system, clearly identifying the beginning, middle and end zones
2. Determine the fertilisers to be used in the irrigation system
3. Conduct in-field sample collection and measurement
4. Issue a final report

The final report should form the backbone of your improvement plan. Our agronomist will review the audit data, test results and official reports (copies of which will be included) to make observations on the efficiency and effectiveness of the existing irrigation system and outline the opportunities for its development and improvement.

Our final report will furnish producers and growers with evidence-based suggestions and recommendations. The report will identify any areas of inequality – where water or nutrients are not reaching all areas of a field in the same quantity and/or concentration. We will also advise on the need to change the nutrient and fertiliser dosing and suggest corrective actions to ensure the best optimisation of agricultural fields.

**WHY SGS?**

Pioneers in the field of fertigation monitoring, our agronomists can provide you with all the information required to improve decision-making. Equipped with the latest technology to perform analyses, our global network of agronomists can deliver a standardised or customised approach to meet your specific requirements.

**CONTACT**

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90% of companies using an irrigation system on their fields do not know how efficient they are. Fertigation audits enable producers and growers to identify deviations in their irrigation system and make corrections to optimize inputs such as water and fertilizers, making sure these are distributed evenly.

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