

Centre Pivot Nutrient Solutions

SLTEC have a wide range of liquid fertilizers for all your plant and soil nutritional requirements.

This guide is designed to help you realise the full benefits of applying liquid fertilizer through your Centre Pivot Irrigator.

What will it cost me?

Basic Setup Costs

Fertigation injection pump	\$4,000
Installation and fittings	\$500
Total =	\$4,500

Assuming Liquid Fertilizer from IBC / 1000L Shuttle

How long before it pays for itself?

Cost Analysis - Prices shown are estimations

Based on a 7 span Pivot - 380m, 45 ha

Setup cost - \$4,500 / 45 ha \$100 / ha

Ground Spread cost \$13.50 / ha
Recovered Cost 7.4 Spreading Applications

Aerial Application \$20 / ha
Recovered Cost 5 Spreading Applications
(Cost Analysis spreading rates - NE Victoria)

Will fertigation through my Pivot rust it out?

With good management procedures the life of your equipment will not be compromised.

Only use quality liquid fertilizers that are dissolved **NOT** suspended in solution.

All SLTEC Fertilizers are filtered to 120 micron.

Fertilizer Dilution

Laboratory testing shows - for a typical 40 ha Centre Pivot (357m long) applying 12 mm per 24 hours, with a water flow rate of 55.63 L/s

Result

7.16 pH of water sample

0.06 pH change with an application of 100 L / ha of UAN

0.11 pH change with an application of 200 L / ha of UAN



FERTILIZERS

What are the associated Agronomic Benefits?

- **Timeliness of application** - Provides the option to apply fertilizer to an already growing crop in the timeliest of fashion.
- **Uniformity in application** - Excellent distribution uniformity of fertilizer, resulting in precision application of nutrients when fertigating.
- **Cost effectiveness** - Get the maximum return for your Centre Pivot investment not only from fertigating, but for some Agricultural Chemicals as well.
- **Frequency of application** - Ability to apply smaller amounts of fertilizer more frequently, beneficial in lighter soils to avoid leeching.
- **Plant availability** - Feed your crop regularly with highly plant available liquid formulations ensuring a balanced supply of nutrients.
- **Analysis** - In conjunction with tissue testing more frequent fertilizer application allows you to be more responsive to the crop's nutritional requirements.
- **Custom blends** - Ability to apply custom fertilizer blends, based on the nutritional requirements of the crop at the various growth stages.

What are the disadvantages of Ground Spreading?

- **Soil compaction** - Fertigation through your Centre Pivot will reduce ground compaction due to reduced traffic in fields.
- **Lack of uniformity** - Avoid skips and overlaps associated with fertilizer spreaders.
- **Absence of control** - Contractors aren't always on time, resulting in loss of yield potential due to time delays in nutrient application.

It's a NO Brainer!

For Tank & Fertigation options & advice: contact SLTEC Fertilizers -

Injection Pumps



Tank Setups



FERTILIZERS

Contact us for more information

1800 768 224 | www.sltec.com.au | enquiries@sltec.com.au