



# Intrablend™ SL

A new generation coupling agent designed to re-solubilise fertilizers that react and precipitate. Intrablend™ SL acts as a compatibility agent when antagonist ingredients are tank-mixed.

## Product Characteristics

**Gravity:** 1.19

**Colour:** Clear green liquid

## How Does Intrablend™ SL Work?

- Some trace elements such as zinc, iron, manganese, magnesium, calcium, copper and boron react antagonistically with other elements to form insoluble salts. For example, zinc and phosphorus will form insoluble zinc phosphate. Intrablend™ SL separates the individual elements through a process which disassociates the ions making them soluble and available.
- Intrablend™ SL may also be beneficial when pesticide and fertilizers are mixed together and react. Generally this is an inorganic reaction where Intrablend™ SL can assist in compatibility.
- Intrablend™ SL is an effective treatment for precipitation build up (eg. Calcium or iron build up) in trickle lines.

- Enables successful tank mixing of many fertilizers which are usually reactive and precipitate when mixed together.
- May also enable successful tank mixing of pesticides and fertilizers which often react with each other.
- Re-solubilizes precipitation (salt build-up) caused by irrigation and bore water.

## Directions for Use

Agitate contents well before dilution. Suitable for application by:

**Foliar**

**Fertigation**

Under normal conditions Intrablend™ SL is to be added at the rate of 2 Liters per 1000 Liters ie. 0.2%. This may alter due to:

- Hardness of the water
- Varying dilution rates of the mixture
- Varying application rates

If pesticides are to be added - make sure that the initial solution is clear. Pre-mix the pesticides and add to final mix.

**Use at 0.2% up to 8% solution for cleaning drip lines.**





## Intrablend™ SL

Intrablend™ SL coupling technology enables the dual application of fertilizers and chemicals in tank mixes. Intrablend™ SL can provide a one-pass fertilizer and pesticide solution giving greater economic and operational efficiencies per application.

Intrablend™ SL coupling technology works by creating an organic barrier between metals that naturally react while in solution to create insoluble precipitants, preventing this reaction. This separation ensures that all individual elements within a tank mix remain true to their nature - available and soluble.

Intrablend™ SL also improves the level of beneficial nutrients that are absorbed by plants. The increased elemental absorption through roots and leaves is due to a great level of available micro-nutrients in tank mixes.

1



### Enables the successful tank mixing of incompatible fertilizers.

#### Keep some by your tank

A large number of fertilizers are incompatible, causing precipitation when they are mixed together in solution. This is particularly the case for phosphate and trace element combinations. Intrablend™ SL can be used to prevent and even reverse the formation of insoluble cloudy material, ensuring a clear solution for maximum plant uptake, as seen in the adjacent example.

2



### Increases root growth when use in conjunction fertilizers.

#### Perfect for fertigation applications

Trace elements are critical to the growth of plant root mass. These elements are susceptible to chemical reactions which make them unavailable to plants. Intrablend™ SL plays the important anti-locking role ensuring that trace elements are always available. This action can be directly connected to the increased root mass seen in the adjacent trial results.

3



### Increases Iron uptake and efficacy.

Delivering Iron is difficult because of its poor mobility. The dual application of Iron Sulphate and Intrablend™ SL maximizes the availability of Iron, ensuring 100% is available to plants. Citrus trial in Israel shows an impact of a dual application of Iron Sulphate and Intrablend™ SL.

4



### Increases pesticide efficacy.

Many common plants are now becoming resistant to pesticides. Globally this is becoming a problem with Glyphosate-resistant Rye Grass (*Lolium rigidum* Gaudin). Trial data shows that Intrablend™ SL can increase the efficacy of Glyphosate in its application against resistant Rye Grass.

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