



Intrablend SL

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

How Does INTRABLEND™ Work?

1. 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™ separates the individual elements through a process which disassociates the ions making them soluble and available.
2. INTRABLEND™ may also be beneficial when pesticide and fertilizers are mixed together and react. Generally this is an inorganic reaction where INTRABLEND™ can assist in compatibility.
3. INTRABLEND™ 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

Product Characteristics

Gravity: 1.19

Colour: Clear green liquid

Directions For Use

Agitate contents well before dilution. Suitable for application by:



Foliar



Fertigation

CROP

Application
Type

Grams per
Young plant

Grams per
Mature plant

Under normal conditions, INTRABLEND™ 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.

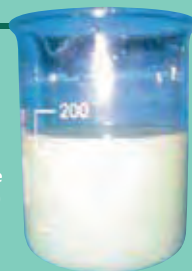
1 Enables the successful tank mixing of incompatible fertilizers.

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™ 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.

Phosphate and Calcium insoluble precipitate (Triple Super Phosphate)



Post addition of INTRABLEND™, insolubles now in solution



2 Increases root growth when used in conjunction with 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™ 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.



Control – 6 weeks post-planting. Complete NPK Trace Element mix.



Treatment – 6 weeks post planting. Complete NPK Trace Element mix + INTRABLEND™.

3 Increases Iron uptake and efficacy.

Delivering Iron is difficult because of its poor mobility. The dual application of Iron Sulphate and INTRABLEND™ maximizes the availability of Iron, ensuring 100% is available to plants. The following data from a citrus trial in Israel shows the impact of a dual application of Iron Sulphate and INTRABLEND™.



Control – No fertilizer application.



Treatment – Iron Sulphate 2.4 Kg and INTRABLEND™ 2.4 per 1000L spray volume.

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). The following trial data shows how INTRABLEND™ can increase the efficacy of Glyphosate in its application against resistant Rye Grass.



Control – Glyphosate 2 L/Ha, 7 days after treatment.



Treatment – Glyphosate 2 L/Ha + INTRABLEND™ 0.4% of 8L per Ha, 7 days after Treatment.

INTRABLEND™

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

INTRABLEND™ 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™ 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.

Supplier:



SINERIA Holland BV
Randwycksingel 20-A015
6229 EE Maastricht,
The Netherlands
www.sineria.com

Disclaimer: This information and all further technical advice is based on our present knowledge and experience and approvals from the registration authorities. However, it implies no liability or other legal responsibility on our part, including with regard to existing third party intellectual property rights, especially patent rights. In particular, no warranty, whether express or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. In the event of any discrepancies between the information stated herein or any other information source and the information stated on the label of the product, the information stated on the label of the product will prevail. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of the customer. Reference to trade names use by other companies is neither a recommendation, nor does it imply that similar products could not be used.