



Ultra Foliar



Plasma Fusion

Plasma Fusion is an ULTRA FOLIAR fertilizer spray with NDS a Nutrient Delivery System that increases the efficiency in product uptake through the leaf by up to 350%.

With NDS Plasma Fusion delivers 12 essential nutrients contained in a High-analysis Broad-spectrum solution.

Plasma Fusion provides the plant with an optimum balance of essential nutrients to ensure soil nutrient variability and deficiency is fixed. Plasma Fusion gives you greater plant protection, more growth and improved yield qualities. This is done by using just one product.

About Plasma Fusion

PRODUCT



CATEGORY TYPE



AVAILABILITY



DESCRIPTION:

Plasma Fusion is an Ultra Foliar HBS (High-analysis Broad-spectrum Solution) that applies the RLF technology called NDS to deliver through the leaf the nutrient package.

This Ultra Foliar is formulated to deliver the optimum amount of 12 nutrients in a single product application.

Plasma Fusion is up to 350% more efficient in nutrient delivery as the formulation is absorbed directly through the leaf cell walls and then into the plant cells for immediate use. Unlike other foliar it is not inhibited by the need to access the plant via the stomata.

TYPES OF CROPS:



Features



High-analysis Broad Spectrum



Nutrient Delivery System



High-Performance Formulations



Plant Physiology + Chemistry



Crop Nutrient Removal



Stable Solution



Build + Increase Organic Matter



Quality Assured



World-Leading RLF Product



Proven To Work





Features and Benefits

INCREASE YIELD

Australian independent trials demonstrates yield increases of 14.6%

REDUCE NPK COSTS

RLF Broad-Spectrum Ultra Foliar can reduce NPK granular use by 15%-20%.

IMPROVES CROP QUALITY AND VALUE

RLF Broad-Spectrum Ultra Foliar can significantly increase crop quality and nutritional value.

NDS PROVIDES SAFE TRANSFER OF NUTRIENTS

RLF developed NDS Nutrient Delivery System transfers directly into through the leaf the 12 nutrients contained in the RLF Ultra Foliar fertiliser. NDS technology improves uptake by over 400% when compared to normal foliar products.

FIXES SOIL-VARIABILITY PROBLEMS

Soil-Variability is a serious problem - RLF Broad-Spectrum Ultra Foliar fixes this problem as they bypass micro-nutrient requirements from the soil and instead delivering them through the leaf.

IMPROVES NPK UPTAKE

RLF Broad-Spectrum Ultra Foliar increases the agronomic uptake of NPK fertilisers. This can further improve NPK mobility resulting in greater fertiliser effectiveness and less toxicity.

BASED ON SCIENCE

RLF technology and formulation of the RLF Broad-Spectrum Ultra Foliar products are based on plant nutrient removal science. This achieves a complete and optimum balance of 12 essential nutrients- resulting in plants growing bigger and stronger.

HANDLES ENVIRONMENTAL CONDITIONS BETTER

A broad spectrum foliar solution will give the plant more energy to deal with any environmental stresses associated with things like poor rainfall, weather, soil, climate and other external conditions.

STRONGER PLANTS TO RESIST DISEASE

RLF Broad-Spectrum Ultra Foliar ensures plant and crop safety by investing greater strength for the plant to resist infection from disease and handling.

BUFFERS THE EFFECTS FROM HERBICIDES, PESTICIDES OR FUNGICIDES

RLF Ultra Foliar provides a substantial boost of nutrition when needed as a buffer against the toxic effects of herbicides, pesticides and fungicides.

General Features of RLF Products

QUALITY OF ELEMENTS AND MATERIALS

RLF uses superior and quality materials in the manufacture of its products to ensure efficiency and product consistency.

STABLE SOLUTIONS

All RLF products are in solution with an assurance of stability and longevity.

SDS (SEED DELIVERY SYSTEM) FOR SEED PRIMING

A RLF-developed, proprietary technology that IS A WORLD-FIRST.

This allows the seed to completely absorb the nutrients.

CROP NUTRIENT REMOVAL SCIENCE

All formulations and micro element calculations are based on the science of Crop Nutrient Removal.

NDS (NUTRIENT DELIVERY SYSTEM) FOR ULTRA FOLIARS

RLF-developed, proprietary technology that IS A WORLD-LEADER.

This allows for foliar nutrient to be taken into the plant through the leaf at a rate 350% better than normal products or practices.

PLANT PHYSIOLOGY + CHEMISTRY

RLF base all of its products on the science of plant physiology.

This ensures that RLF products are built starting with a complex understanding of the chemistry involved in plant functions, responses and requirements.

HIGH-PERFORMANCE FORMULATIONS

RLF manufactures super high concentration formulations in solution.

The Plasma range is the world's highest concentration formulation available today.

MANUFACTURE

Engineered and specialised manufacture processes that are Quality Assured.





Analysis

PRODUCT NAME

Plasma Fusion

THIS PRODUCT CONTAINS



TYPICAL ANALYSIS

GUARANTEED QUANTITY OF ELEMENT

Nitrogen (N)	91.47 g/l	9.1 w/v %	6.3 w/w %
Phosphorus (P ₂ O ₅)	249.34 g/l	24.9 w/v %	17.1 w/w %
Potassium (K ₂ O)	30.86 g/l	3.1 w/v %	2.1 w/w %

SECONDARY ELEMENTS OR TRACE ELEMENTS

Sulphur (S)	31.32 g/l	3.13 w/v %	2.1 w/w %
Magnesium (Mg)	16.42 g/l	1.64 w/v %	1.12 w/w %
Iron (Fe)	2.37 g/l	0.24 w/v %	0.16 w/w %
Zinc (Zn)	41.22 g/l	4.12 w/v %	2.82 w/w %
Copper (Cu)	2.6 g/l	0.26 w/v %	0.18 w/w %
Manganese (Mn)	10.61g/l	1.06 w/v %	0.73 w/w %
Boron (B)	5.8 g/l	0.580 w/v %	0.40 w/w %
Molybdenum (Mo)	0.33 g/l	0.033 w/v %	0.02 w/w %
Cobalt (Co)	0.08 g/l	0.008 w/v %	0.01 w/w %

SOLUTION

SG	Extremely High	pH	Acidic
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GLOBAL STANDARD ANALYSIS

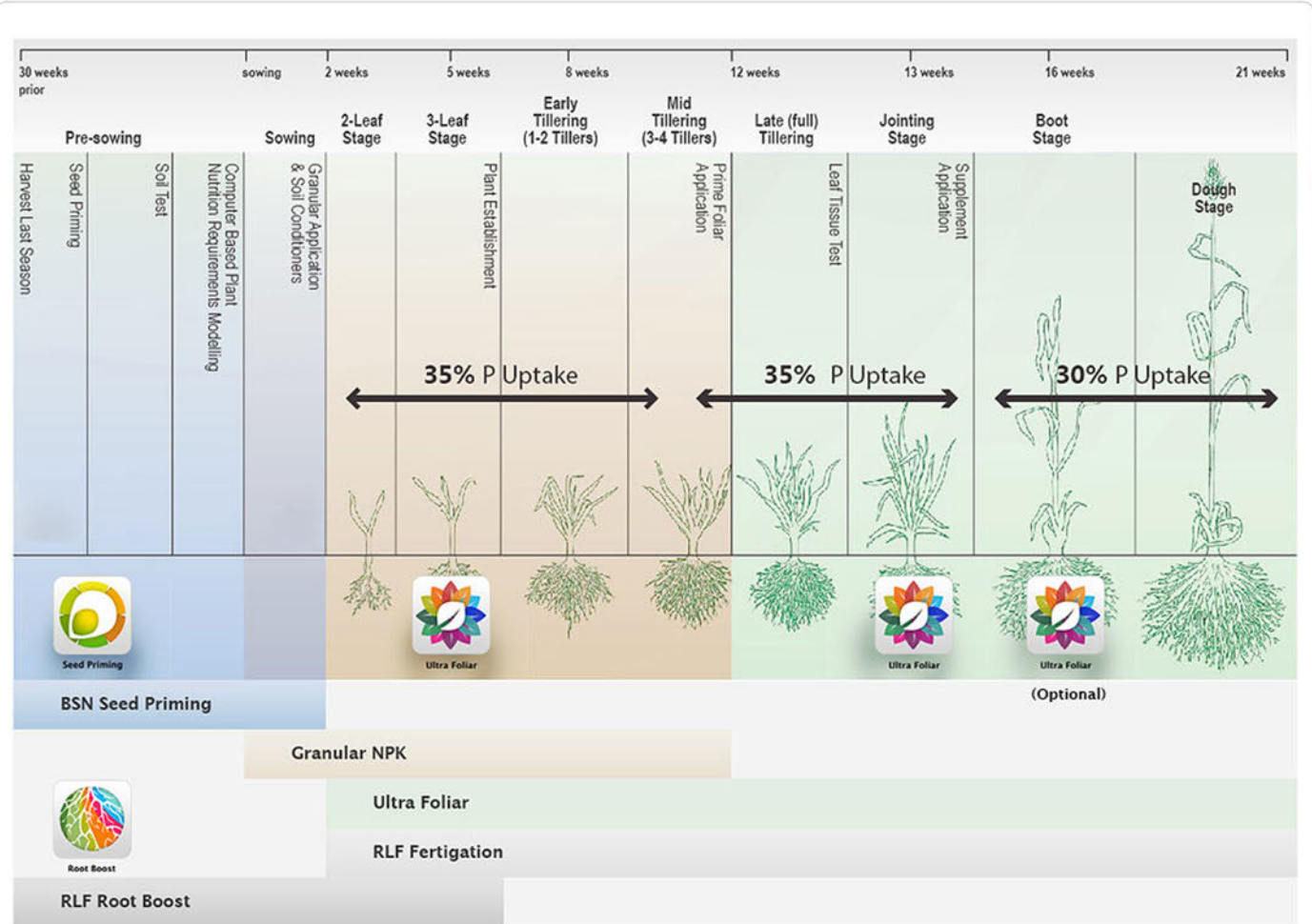
The analysis given above is the Global Standard and can change or vary from country to country. Always refer to the product specified for each country and the product labels in each country. Analysis may vary as a result of the local country rules, regulations and laws. Generally analysis and formulation is not changed.

MANUFACTURE BASIC PROCESS





Application



APPLICATION METHOD



Mix and apply to seed using spray applicator or manual seed spraying



Spray Foliar application to the leaf



Mix and spray through irrigation systems
Furrow inject at sowing





BENEFITS OF PLASMA FUSION



BROAD SPECTRUM
Plasma Fusion is a Broad Spectrum Foliar Fertiliser containing multiple nutrients at high concentrations to alleviate a range of nutrient deficiencies resulting from paddock variability. Designed for broad acre commercial applications Plasma Fusion supplies a high dose of soil-immobile ions including Phosphate & Essential Trace Elements directly to the plant in every application.



RAPID UPTAKE
Rapid uptake and nutrient mobility are critical factors in the performance of foliar fertilisers. Plasma Fusion is a highly advanced formulation manufactured in accordance with ISO 9001 Quality Standards using only the highest quality materials. Plasma Fusion also uses a powerful EDTA Chelate to further enhance broad spectrum nutrient availability and improve product stability.



ROOT GROWTH
Plasma Fusion has been designed to perform multiple tasks in one easy to apply solution. Whilst having the ability to correct multiple nutrient deficiencies Plasma Fusion also stimulates root activity and turnover (eg. by increasing sugar supply) enabling the crop to further utilise soil nutrients and water reserves.



NUTRIENT DELIVERY SYSTEM
As part of RLF's range of Broad Spectrum products Plasma Fusion contains a proprietary Nutrient Delivery System (NDS). This system is designed to improve productivity by increasing photosynthetic efficiency and assimilate (eg. sugar) translocation within the plant. Infused into every litre of Plasma Fusion the NDS is another reason to be assured you are using one of the most technically advanced foliar formulations available.



BUILD ORGANIC MATTER
The higher rate of root growth and root turnover increases soil microbial activity resulting in an increase in organic matter moisture retention.

PLASMA FUSION



FOR BROADACRE CROPS

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ANALYSIS

Total Product Basis Major Elements	G/L	%W/W
Nitrogen	91.00	9.10
Phosphorus	107.00	10.70
Potassium	27.00	2.70
Sulphur	31.00	3.10
Magnesium	16.00	1.60

Trace Elements

Iron	2.30	0.23
Copper	2.50	0.25
Zinc	41.00	4.10
Manganese	11.00	1.10
Boron	5.80	0.58
Molybdenum	0.33	0.033
Cobalt	0.08	0.008

The formulation includes extracts based on amino acids and activators which enhance the product uptake and plant performance. These inclusions together with EDTA are also used in manufacture to partially chelate the high concentrations of trace elements.

APPLICATION RATE

Crop Type	Rates/litre of target yield	Best timing for application
Wheat, Barley & Oats	1 to 1.5 L/ha/acre	Early tillering to elongation
Canola & Oil Crops	1.5 to 2.0 L/ha/acre	Good canopy formation to pre-flowering
Maize, Sorghum & Millet	1-1.5 L/ha/acre	4-leaf stage to pre-flowering
Lupines	1 to 1.5 L/ha/acre	Good canopy formation to pre-flowering
Rice	1 L/ha/acre	4-leaf stage to pre-flowering

When target yield is above 1.5 t/ha, split application is recommended.

WETTER RATE
It is recommended to add 1 (one) litre of wetter (or as per label instruction of the wetter) for each 1000 (one thousand) litres of tank mix unless sufficient wetter from other sources is present.

WARNING
Keep out of reach of children.
If swallowed seek medical attention.
If splashed in eye, wash with copious amounts of water immediately.
Notice: Information supplied for this product is believed to be reliable, however buyer and user assume all risk of use, storage and handling, whether in accordance with directions or not. The manufacturer and seller disclaim any responsibility whatsoever for any loss occasioned as a result of the use of this particular product or claimed to be used by this product.

AGITATE VIGOROUSLY BEFORE USE.

CONTAINS: LITRES

BATCH NUMBER:

