

# Launch®

## Fertiliser Catalyst

### WHAT IS LAUNCH®?

A concentrated, complexed fertiliser catalyst containing organic acids, plant extracts, non-ionic surfactants, bio-stimulants and other proprietary ingredients to promote nutrient cycling and increase plant production.

Launch® is composed on a base of long chain organic polymeric polyhydroxyl acids. These compounds owe their activity to numerous highly reactive carboxyl and hydroxyl groups. These compounds are colloidal in nature and are extremely hydrophilic. They are generally classed as tetrabasic anions with an extremely high pH dependent exchange capacity.

The effectiveness of these compounds as a nutrition catalyst is attributed to their enhancement of ion transfer, their enhancement of cell wall permeability, and their ability to stimulate microbial activity.

### BENEFITS

- A combination of chemistries to hold nutrients in more useful forms and promotes their uptake and utilisation by the plant.
- Reduced waste and losses through volatilisation, leaching, and demineralisation increases gross margins.
- Greater biological activity in the soil promotes availability of both target and other tied-up nutrients in the soil.
- Improved nutrient cycling reduces input costs through efficiency.

### TYPICAL ANALYSIS

<b>Organic Acids</b>	as leonardite derivatives	12.0%	120g/L
<b>Total Carbon</b>		9.0%	90g/L
<b>Biostimulants</b>		5.0%	50g/L
<b>Non-ionic Surfactant</b>		1.2%	12g/L

<b>Analysis</b>	w/v weight/volume
<b>Product pH</b>	10.0 - 10.5
<b>Specific Gravity</b>	1:1





## APPLICATION GUIDE

Apply through boom spray, aerial or overhead irrigation. For coating apply through spray nozzles on suitable equipment. DO NOT apply when conditions are extremely hot. Best applied in temperatures in the range of 5 - 25°C.

APPLICATION	WATER & COMMENTS
<b>LIQUID FERTILISERS</b>	Add to tank mix, water run or compatible liquid concentrates at 2% per litre of fertiliser.
<b>SOIL FERTILISERS</b>	Apply by coating & drying to granular fertiliser at 1% per tonne of fertiliser. Add to tank mix of compatible soluble fertilisers at 1% per tonne.
<b>ANHYDROUS AMMONIA</b>	Cold Flow Application at 4% per tonne. Application does require some minor modification to equipment, contact your local agent for specifications. Aqua ammonia application is as per tank mix.

APPLICATION RATE	WATER & COMMENTS
<b>As a soil Ameliorant</b>	Apply at sowing or at beginning of growth phase for all food & fibre crops at 10-25L/ha diluted at min 1:10 water.

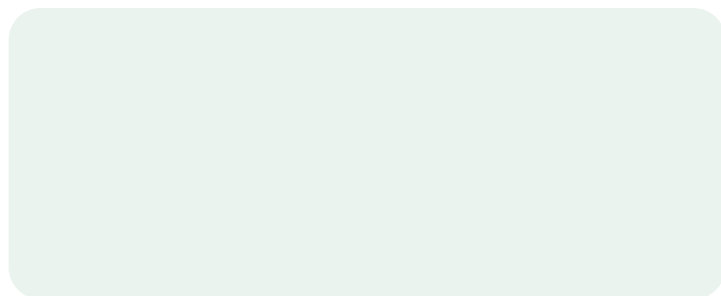
## MIXING INSTRUCTIONS

1. Half fill tank to required volume with water.
2. Add the required amount of Launch®.
3. Fill the remainder of tank with water and maintain agitation.

## Granular Fertilisers

1. Apply via a coating plant at the required rate.
2. Dry product via heating process or by static drying for approx. 4 days.

## YOUR LOCAL DISTRIBUTOR IS:



## PACKAGE SIZES AND WEIGHTS

VOLUME	NET WEIGHT	GROSS WEIGHT
1000 L	1100.0 kg	1160.0 kg

## COMPATIBILITY:

Product may not be compatible with acid materials (pH < 7). Jar test before use. Product may be compatible with herbicides and fungicides, please check with the manufacturer. Please be aware that physical compatibility does not guarantee product efficacy.

## CONDITIONS OF SALE

These goods are manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of Advanced Nutrients Pty Ltd. Before using, user should determine the suitability of the product for his or her intended use and user assumes the risk and liability in connection therewith.

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