



**To our valued clients,**

We are proud to announce the launch of a new product in our Excelerate range

### **'EXCELERATE STUBBLE DIGEST'**

It doesn't matter what type of farmer you are, if there is plant matter or residue that you want gone, this can help!

Key benefits of Excelerate Stubble Digest

- Contains a stable nitrogen load to assist in stubble breakdown;
- Supports the growth of fungi and bacteria to enhance the rate of breakdown;
- Can be supplied in future with live microbes which may offer some benefit in the speed and efficiency of breakdown but come at a significant additional cost;
- Contains our unique fulvic acid with exceptional nutrient cycling properties;
- Cost effective in the range of \$11.25 - \$22.5 / hectare (non microbial version only)

*Note: we also offer the Excelerate N Plus for use on pastures, orchards and in Horticulture an ideal N top up with essential amino acids, fulvic and more.*

*Early purchaser discounts available. Please see below.*



## **What is a Stubble Digester?**

A stubble digester is a product applied to harvested crop stubble, old pastures or anywhere there is plant matter or residue that needs to be broken down faster than

it would naturally. So, for instance, it can assist in reducing post-harvest stubble load in broadacre cropping, slashed dry weed matter in natural water courses, or excessive dry plant material under permanent tree or vine plantings.

Stubble digesters may include product composition specially formulated to boost the activities of microbes naturally existing in the soil, or also include the addition of live microbes.

## Stubble Digestion Rate and Nutrient Cycling

Cellulose is a complex carbohydrate and, along with lignin (in mature plant stems), forms the cell wall of most plant cells (and is also a significant source of carbon).

Both cellulose and lignin are highly resistant to natural decomposition. In some cropping enterprises, thick cellulose or lignin dominated stems can take several months or even longer (depending on conditions) to decompose.

Speeding up stubble digestion is not just useful for reducing stubble load quicker though. When cellulose is decomposed, it forms glucose molecules which in turn feed soil biology. This improves the soil food web by increasing rhizosphere / root zone enzyme activity for further breakdown and overall nutrient cycling.

The carbon content in plant matter plays a pivotal role in nitrogen utilisation, cycling, and fixation, all of which are vital for maintaining a healthy, balanced soil ecosystem. The Carbon to Nitrogen (C:N) ratio can fluctuate based on various conditions, but a lower ratio accelerates the release of nitrogen, making it more readily available for crop uptake and utilisation.

So, it's not just a reduced stubble load outcome you get. The added benefit of speeding up the rate of stubble decomposition is that the increased carbon load being cycled helps in kick starting, or maintaining, your soil biological activity and nutrient cycling through to the next sowing period in broadacre cropping, or fruit set etc. in permanent plantings.

## Why Should You Use It?

- Excelerate Stubble is an alternative strategy, designed to remove plant matter in a more environmentally friendly manner, with less nutrient losses, increased enzyme and soil microbial activity, and overall improved soil nutrient and biological health. It also helps to retain a healthy soil structure and biomass, reduces soil compaction and improves water holding capacity of the soil.
- Excelerate Stubble transforms plant matter into more friable, easily managed material, reducing overall load to minimise or eliminate clogging of machinery

and support smooth sowing or similar operations.

- Increasing the rate of breakdown could assist in reducing disease and pathogen incidence that could otherwise remain on stubble residues.
- Why burn crop stubble when you can incorporate this organic matter back into the soil with Excelerate Stubble. The window for burning crops is narrower and the loss of carbon and organic matter is a hidden cost to the farmer.

## When Should You Use It?

Post-harvest in broadacre cropping, on either standing or lying residues. In other cropping situations, any time you seek to reduce dry matter load on the soil surface.

To maximise performance, this product is best applied to moist soils or following a rainfall event to rapidly boost biological activity.

Excelerate Stubble is suitable for all soil types and crop, pasture and plant matter. However, efficacy may vary by application rate and the incorporation of live biology. For long fallows we recommend the 2.5 litres / ha application rate and for short fallows the options include a higher application rate or incorporating biology to speed up breakdown processes. In this coming season we will be gathering data across different stubble types, application rates, fallow periods etc.

## Early Discount Options on IBC's

Excelerate Stubble Digest retails at \$4,500 inclusive of GST per 1000 litres (without live microbes) + freight

### **There are two early purchase discount options available.**

1. Anyone pre-ordering and purchasing before October 31st will receive a 15% discount on the retail price - minimum orders of 1000 litres.
2. Anyone pre-ordering and purchasing before October 31st, who is willing to assist us in monitoring the product's performance for the season, (having a clearly marked treated and control area side by side, and allowing our Ag scientists access to measure stubble breakdown) will receive up to a 25% discount on the retail price, minimum orders of 1000 litres.

**CALL 1800 108 940** for more information or to secure your discounted product.

Download the Excelerate Stubble product sheet below:

Product Sheet Download

## Stay in the loop

If you are interested in being kept up to date with Excelerate Stubble Digest and receiving more information and trial data as it becomes available please let us know by clicking on the link below and sending us a short email, alternatively you can call our team on 1800 108 940.

You can also use this button to email us and ask any questions on the product and its application.

Email Converte



Converte Online Shop

Converte Pty Ltd, Unit 3, 68 Willandra Ave, Griffith, NSW 2680, Australia, 1800 108 940

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