



KREOTEC

ADVANCING NITROGEN MANAGEMENT

Allowing growers to reduce levels of synthetic nitrogen fertilizer by up to 40%

Kreotec is applied to agricultural crops to deliver a sustainable form of nitrogen through the use of selected strains of naturally occurring bacteria. This allows growers to reduce the amount of chemical fertilizer applied to agricultural crops by up to 40%, leading a significant reduction in greenhouse gas production and nitrogen leaching into the environment.

The Kreotec bacteria fix atmospheric nitrogen in addition to improving nutrient use efficiency of applied fertilizer resulting in improved soil health and increased crop productivity with less environmental impact.

Growers are able to use Kreotec to either compliment the use, or reduce their reliance on applied fertilizer. Kreotec can be used in all crops with either one or two applications subject to the length of the crop cycle.



Increases Ammonia (NH₃) through Nitrogen Fixation



Enhances nutrient use efficiency



Incorporating patented C-active Microbial Technology™

KREO
Accelerating Sustainable Ag

Kreotec is a part of the Kreo range of biological products. For further information please see our website - www.thinkbio.com.au

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Composition:

Microbial complex, 3×10^7 CFU/g: *Bacillus velezensis* - 1×10^7 CFU/g, *Azospirillum brasilense* - 1×10^7 CFU/g, *Herbaspirillum seropedicae* - 1×10^7 CFU/g.

Application:

Kreotec is sold as a soluble powder at 200grams/ha and applied as a foliar spray to crops (80-250 litres/ha). Kreotec is dissolved in the spray tank and agitated well before applying to crops. As the Kreotec microbes enter through the leaf stomata it is important to apply Kreotec in the light of the day when the conditions are not too hot. Early morning or late afternoon is preferable.

Application Timing:

Kreotec should be applied to the crop at around BBCH 13 -16 stage.

Compatibility:

Kreotec's microencapsulated microbes are able to be co applied with selected fertilizers and agricultural chemicals. Co-application is possible with a number of herbicides including but not limited to; Pendimethalin, Glyphosate, Isoxaflutole, Formasulfuron and Thiencarbazone. For further compatibilities see the Thinkbio website.

Storage:

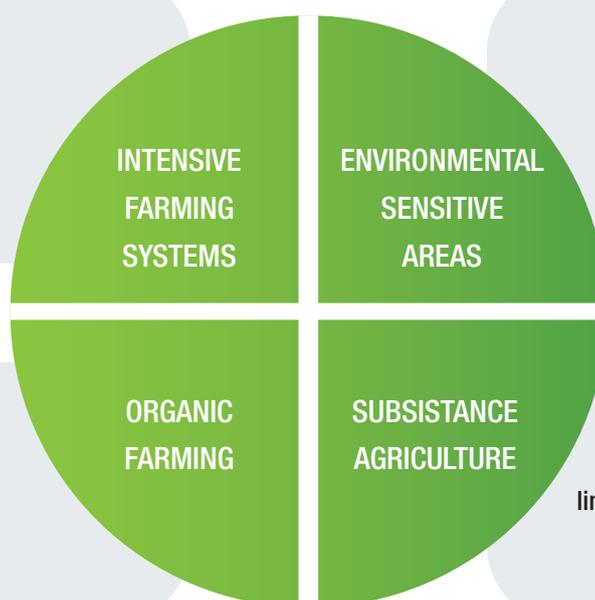
Kreotec contains microencapsulated bacteria which allow the product to be stored at ambient temperatures under 20°C for a period of 12 months. For prolonged storage up to 2 years or in extremely temperatures, it is recommended that Kreotec is stored in the fridge at 4°C.

Kreotec improves the delivery of nitrogen to the crop through enhanced nutrient use efficiency and nitrogen fixation, allowing growers to reduce levels of applied nitrogen.

WHERE AND WHY TO USE KREOTEC.

Where growers have a want or need to reduce applied nitrogen levels to improve the short and long term sustainability of their farms.

Where growers are unable to use chemical nitrogen and providing the plant with enough nitrogen is a challenge.



Where the use of nitrogen is banned or controlled by local authorities or growers wish to improve their NUE and reduce the environmental impact of nitrogen loss.

In situations where the price of chemical fertiliser is high or where growers have limited access to bulk fertiliser or the cost of transport is prohibitive.

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