



Stop your nutrients
going down the creek
this season and apply
AMORSIL AGRI
PRE PLANT SOIL CONDITIONER



Improve moisture and nutrient efficiency

Amorsil Agri is best applied broadcast pre plant and incorporated into root zone. It is retained in the root zone for the life of your crop.

Amorsil Agri has a high cation exchange capacity and can significantly improve the efficiencies of applied nutrients by increasing nutrient and moisture retention at the root zone, without causing water logging.

Amorsil Agri increases soil aeration; improves plant resistance to Biotic and Abiotic stress; and reduces the leaching of fertilisers into the environment.

For more information simply call Nutrifert on 1300 562 182

nutrifert.com.au



AMORSIL - AGRI

Improve nutrient uptake and water efficiency

Sugarcane along the coastal belt tends to have poor efficiency in converting applied fertilisers to yield. This poor use of fertilisers is often due to highly weathered soils which show common characteristics of low Cation Exchange Capacities and Organic Carbon. Rainfall and irrigation while being required for crop growth also generally leach fertilisers below the crops root zone. This means that the amount of fertilisers applied are often far higher than the crop actually utilises for yield.

Technologies are now available in sugarcane to reduce losses through slow, controlled and inhibitor coated fertilisers. These cane blends however only protect the Nitrogen from some loss while the other key nutrients have no method of retention in soils commonly farmed for sugar.

Amorsil™ Agri from Nutrifert provides a solution to improve applied fertilisers' retention by acting as an absorbent and a cation exchange capacity (CEC) booster in the row. This means that positively charged nutrients such as Potassium, Calcium and Magnesium are retained on the higher CEC while negative charged nutrients like Nitrogen, Phosphates and Sulphur are absorbed into the **Amorsil Agri's** internal structure, reducing losses from the root zone. The base product of **Amorsil Agri** is used in other industries such as oil and pet litter absorbents due to its unique characteristics of holding materials applied to it.

Application Stage:	Rate:
Broadcast prior to row forming	500 – 1000 kgs per hectare

Amorsil Agri's higher retention rate of all plant nutrients has the potential to increase sugar yields as greater nutrient is available for uptake by the cane plant.

As an important side benefit, **Amorsil Agri** also contains a high content of plant available Silicon which has been shown to improve yields in cane significantly through more upright stalks, reduced transpiration, greater sunlight interception and decreasing Aluminium and Manganese uptake in acid soils.

Amorsil Agri is a natural, crushed product and can be applied through common spreading and dropper style fertiliser applicators ideally just prior to row forming. Common rates of application are 1000 kgs per hectare on soils with a CEC less than 5.0 and at 500 kgs per hectare on soils above that CEC. Responses on red and black clays with high CEC's have been also seen as issues such as Phosphate lockup are reduced.

In ratoon crop cycles Amorsil Max, which is a granulated product with the same benefits as Agri, can be applied with fertiliser blends or through split box applicators. Amorsil Max applications are commonly 100-200 kgs per hectare.

Nutrifert specialises in a range of granular products that when combined in NPK programs boost crop yield potential in sugarcane.

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