

UNISA

Description

UNISA is neither a fertilizer nor pesticide. It is a unique nonionic surface active adjuvant helps in increasing crop yield by improving the performance of the foliar applicant.

Benefits

Increases farm yield by enhancing the effectiveness of insecticide, pesticide or any other foliar application.

- Enhances water penetration into the soil.
- Aids irrigation and keep equipment clean, prevents clogging of nozzles.
- Effective as spreader and as an activator.
- Helps keep pesticides in suspension.

How does it work ?

To maximise performance, the pesticide or herbicide must come in contact with the target. The efficiency of the product increases with increase in area of contact. UNISA contains a surfactants that reduces the surface tension of water causing water droplet to spread out.

When water falls on water repellent waxy surface (hydrophobic) of the plant leaf, it tends to remain on the surface in the form of tiny droplets (beads) covering the minimum surface area. This means that the water droplets do not spread out evenly over the leaf surface leading to poor wetting of the leaf surface. Since water is the liquid carrier of the herbicides / pesticides, this beading limits the coverage and the effectiveness of the herbicide being used.

When the pesticides are dissolved in water containing UNISA and sprayed on plant, it spreads out more evenly, the result is much better pesticide coverage. Adding UNISA also helps pesticide or herbicide to penetrate the surface of the leaf and soil faster and more evenly.

Composition Non ionic surfactant : 30 % w/w

Application method

UNISA is added to the pesticide/herbicide/fungicide and water solution and foliage sprayed. In case of (a) herbicide, add 15 per 15 ltr water (b) Insecticide / fungicide add 5 ml per 15 ltr of water. In case of soil, wet the ground with 150 ml UNISA 82 in 80 ltr water for 1 acre.

Packing 100, 250, 500, 1000cc and 5 L

Compatibility test

When using first time, make a small compatibility test before adding any of the chemicals to the spray tank.