SERENITY® CUBED – Water Conditioning Agent, Humectant, Surfactant, Deposition Aid, Drift Reduction Agent

SERENITY CUBED is specifically designed as a multi-functional adjuvant that functions as a water conditioner, surfactant and drift reduction agent. The product allows the user to address specific needs of various post-emergence chemistries that benefit from these attributes as well as the newer trait technologies. Check corresponding manufacturers’ websites for approval of use.

SERENITY CUBED provides growers with a low foaming, easy mixing, NPE free product that conditions the water, and helps to eliminate antagonism of the spray mix caused by hard water minerals such as calcium, iron and magnesium. SERENITY CUBED increases the spreading and penetration of the active ingredient(s) allowing for more uniform coverage of the spray material onto and into the leaf tissue. SERENITY CUBED also increases the deposition of the spray droplet(s) onto the leaf surface as well as provides a reduction of the spray droplet fines that are created during the application.

SERENITY CUBED does not contain ammonium sulfate and is listed as an approved DRA for the new trait technology on multiple manufacturers’ websites. For the most current, up to date information, always check the corresponding manufacturers’ websites prior to the application. Always read and follow the label.

Features:
- Multi-functional formulation
- Water conditioner
- Surfactant
- Deposition aid
- Drift reduction
- Humectancy
- Low foaming
- NPE free

Benefits:
- Enhances sequestering to block mineral tie-up of herbicides
- Does not adversely affect the volatility of dicamba herbicides
- Increases the spreading and penetration of the active ingredient(s) into the leaf surface
- Slower dry time, enhancing the uptake of the spray mix
- Reduces spray droplet fines
- Improves adhesion (reduces surface tension)
- Compatible with most tank mixes
## Principal Functioning Agents:

<table>
<thead>
<tr>
<th>Constituent</th>
<th>% By Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trisodium Citrate, Alkylpolyglucoside, Diethylene Glycol, Polyacrylamide</td>
<td>34.70%</td>
</tr>
<tr>
<td>Constituents ineffective as spray adjuvant</td>
<td>65.30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100.00%</strong></td>
</tr>
</tbody>
</table>

### General Information

**SERENITY CUBED** is a non-AMS water conditioner that functions as a multifunctional adjuvant. In addition to water conditioning, it performs as a drift reduction aid (DRA), surfactant and deposition aid and is specifically designed to be applied with dicamba containing products such as, XtendiMax®, Engenia®, and FeXapan®, as well as other tank mixes that will be applied to crops containing auxin genetic traits.

Many post-emergence herbicides such as glyphosate, perform best when a water quality product is used in the tank mix to mitigate water hardness issues. **SERENITY CUBED** is designed to improve the performance of various post-emergence herbicides. This feature includes most products used on crops containing auxin genetic traits as well as tank mixes that contain dicamba as the active ingredient, such as XtendiMax, Engenia, and FeXapan, where a water quality adjuvant, drift reduction agent and surfactant are necessary.

**NOTE:** In certain circumstances, which include drought stressed conditions and larger sized weeds, **SERENITY CUBED** may benefit from the addition of an adjuvant/surfactant in the tank mixture.

### Directions For Use

Rates of **SERENITY CUBED** may vary with the conditions of application. Fill spray tank one half full with water. Add the proper amount of **SERENITY CUBED** and pesticide. Add the remainder of the water. Bypass agitation is sufficient when using **SERENITY CUBED**, but it should continue until all of the spray mixture has been sprayed.

### Use Rates

For all tank mixes that contain XtendiMax, Engenia and/or FeXapan, use 5 pints of **SERENITY CUBED** per 100 gallons of spray mix.

For all other tank mixes depending on water hardness, use 2-4 quarts of **SERENITY CUBED** per 100 gallons of spray mix. The use rates for improving tank mix water quality are:

- Up to 500 ppm hardness – 2 quarts per 100 gallons
- 500 to 750 ppm hardness – 3 quarts per 100 gallons
- 750 ppm hardness – 4 quarts per 100 gallons

**DO NOT ADD THIS PRODUCT AT A RATE WHICH EXCEEDS 5% OF THE FINISHED SPRAY VOLUME.**