FAQ Sheet for ReNu Terra Mats

Can you use the same methods used to grow microgreens or baby greens in soil when using your mats?
Yes our mats are compatible with soil methods (hand or overhead watering) and even simpler from a handling and cleaning perspective.

How long does it take for your mats to become fully absorbed when evenly applying water to it?
Seconds, much like felt and loose hemp, but unlike woven jute and hemp.

Is it fragile once hydrated?
Yes, it is fragile dry and wet but does not degrade further during use. It is actually strengthened somewhat by the roots growing through it.

Do our mats absorb more water than hemp / jute / felt? If so, by how much?
Our mats are easier to wet. ReNu Terra mats have much higher total moisture retention while maintaining maximum moisture content in the safe range to prevent water stress. ReNu Terra mats have superior aeration and increase root zone volume, which supports healthy root systems. The ReNu Terra mat has a comparable Gravimetric Water Capacity to all except the coarse hemp mat and holds 12.9 times its dry weight in water.

No oil or water surfactant is needed to be used to keep dust down, correct? (any additional treatment needed?)
That is correct, neither are warranted. We simply need to make them more durable and make surface texture more sticky so seeds adhere when wet.

Do the mats easily dry out?
ReNu Terra mats dry more slowly and safeguard against drought stress.

Does it provide a consistent environment for both early and adolescent roots?
Absolutely, roots love it already.

How would you describe the mats thickness (grams per square inch and grams per square meter)?
The density of matrix is 0.5g/in3.

Will it alter microgreen taste/has any impact on taste compared to the other alternatives tested?
No such effect has been observed thus far, but microgreen quality on this mat has shown to be excellent.

Is any pH adjustment needed?
None.

Can these be transferred directly to clamshell packaging or deliver straight to the restaurant?
Yes, both are viable.

Are the mats reusable? If not, how should I dispose of them?
It is not advisable to reuse any type of microgreen mats; while ours does not degrade to a significant degree during usage, it does fill with roots, and this organic matter affects porosity and may also cause unwanted microbial growth that could hinder plant growth in subsequent growth cycles. ReNu Terra mats are best disposed of in a compost by laying them flat in one piece and covering them with compost. Another alternative is to shred them and mix them into your soil or potting mix.

Is there an ideal pH that should be maintained based on the media's initial pH?
Staying close to a pH of 6 is advisable for most cultivated crop species, and this is simply to maximize nutrient availablility. The range from pH 5.5 to 6.5 is acceptable.

What is the EC of the media?
A saturated media extract (SME) of our jute-based media yields an E.C. of 0.1 dS/m.

Are there any special considerations in terms of storage (e.g. contact with moisture, etc.)?
Temperature and relative humidity do not affect the product long term, however it is advisable to keep the product dry until you are ready to use it.

What is ReNu Terra made of that makes it so sustainable?
Our blends include drought tolerate crop fibers (such as jute) as well as proprietary fibers made from sustainable sources. As such, they are efficient to produce, are not threatened by climate change, and have no negative impact on the environment.

Do you guarantee sterility and provide certificates of conformity?
Yes, we perform thorough sterilization of all our products in our factories and then get 3rd party testing for each batch to certify this. When we are inoculating our products with beneficial microbes, they are no longer sterile but microbial tests will confirm species present.