

BioPersi+ Bulk Mixture Instructions

Materials Needed

- Vermiculite Type - Vermiculite 2 size particle (according to the manufacturer size 0.71 mm (=0.02 inch) with small deviation in some of the particles)
- BioPersi+ Bulk
- Vermiculite pitcher –2.5 liter
- Bulk Mixing bucket – 18 liter, approximately.

1) Prepare Vermiculite

- Cool the Vermiculite to a temperature of 4.5° to 8°C (40° to 46°F) prior to mixing.
 - Store in fridge or cooler to achieve this
- Mix 10 liters/2.5 US gallons of Vermiculite with 350 ml/12 fl.oz of Water for 5 minutes
 - Adding water should be done slowly while mixing the material.
- After mixing, return the Vermiculite to the cooler for at least two hours.
 - Temperature goal 4.5° - 8°C (40° to 46°F).

Tip- To increase OR decrease the volume of vermiculite in each mixing, calculate the amount of water according to the formula below

- $(0.03) * (\text{desired vermiculite volume}) = \text{amount of water total needed}$
- **For example:**
- $(.03) * (5\text{L}/1.25 \text{ US gal of Vermiculite})$
- $=.15 (120\text{ml}/4 \text{ fl.oz of water})$

2) Mixing Vermiculite with Raw Persimilis

each lot should be 2.5 liters (max.)

Divide the bulk material to even parts according to the total number of lots you are aiming for.

- Put 2.5 liters (= 84 fl. oz) of prepared vermiculite in the mixing bucket.
- Position the mixing container on an angle and make a hollow in the center of the vermiculite.
- Add the required amount of BioPersi+ Bulk into the hollow.
- Roll the bucket gently. Four times in each direction.
- Continue above steps until out of materials.
- Then, put the material into the desired bottle/bucket/blower and apply immediately.

Example: 1 lit of vermiculite with 50K Persi+ to be applied on $1000\text{M}^2 = 50 \text{ per } \text{M}^2$

2.5 lit of Vermiculite with 50K Persi+ to be applied on $1000\text{M}^2 = 20 \text{ per } \text{M}^2$

