



## WOOD ASH ORGANIC PRODUCTS

### Potassium Hydroxide – For fertilizer Application

#### How is Potassium Hydroxide Extracted from Wood Ash?

To extract potassium hydroxide from wood ash, you will need an open container perforated at the bottom, a collection container and water from natural sources. The following steps are then followed.

1. Sieve the Ash
2. Put the ash in an open container with minute perforations at the bottom.
3. Gently pour equal amount of water on top of the ash.
4. Mount the container with ash and water on top of another open container for collection of the liquid that runs through the ash.
5. Wait until 12 hours and the liquid collected is Potassium hydroxide.
6. After 12 hours, get the collected liquid and mix it with humus and leave them for a period of around 24 hours.
7. Then sieve the liquid and pack it in a container.
8. You now have a fertilizer for folia application to agricultural produce.

### Ash Brew – For Pest Control

#### How is Ash Brew for Pest Control Prepared from Wood Ash?

To prepare Ash brew for pest management, three raw materials are required: Ash, water and white bar soap. The mixture is facilitated by heating as indicated in the steps below.

1. Sieve wood Ash
2. Put the wood ash in a metallic container which is not affected by heat.
3. For every 10Kg of wood ash, use 1Kg of soap – so grate 1Kg of soap and melt it in a sauce pan
4. Mix some water with the grated soap and heat it first for it to melt, as constant stirring is done.
5. Pour the melted soap in the 10Kg of ash and then add water – for 10Kg of ash, add 20 liters of water.
6. Then heat the mixture on fire while constantly string the mixture until it boils after 30 minutes.
7. Remove the mixture and let it to cool.
8. After cooling the solid part of the mixture will be at the bottom while the liquid will be on top.
9. Decant the liquid part into another container
10. You now have the ash brew, which is effective in pest control.
11. The dilution rate while applying the pesticide is 3 to 5% - implying that every three liters mixes 100 liters of water.

### Quick Cook – For Faster Cooking And Energy Saving

#### How is the Quick Cook Extracted from Wood Ash?

Extraction of Quick cook from wood ash require observance of hygiene practices. The raw materials are wood ash and natural water (rain water or water from the well). The following steps are followed:

1. Carefully sieve the ash in a clean container
2. Measure water of the same level with the ash in the container.
3. Mix the water with the ash and stir thoroughly
4. Leave the mixture to settle for 12 hours
5. The solid will settle at the bottom and the liquid on the top – decant the liquid into another container
6. After, remove the top silt of the solid and mix it again with the decanted liquid and leave the mixture for another 12 hours.
7. Decant again the liquid for final packaging and use.
8. You now have the quick cook.