

# INNOVASIANS

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## Comparison Table

Material	Source	Problem	Technology	Applications	Durability	Cost
<b>Corn Starch</b>	Polylactic acid or polylactide (PLA), such as corn starch), tapioca roots	Food Resource	Thermoplastic aliphatic polyester derived from renewable resources	Replacing plastic in Disposable items such as: Take away food containers, Burger boxes, Cups, Soup bowls, plates, cutlery.	Good for short and single use, Microwavable	Low
<b>Wheat Straw</b>	The straw accumulated after harvesting wheat	Burnt is South East Asia	Compounding the powder of Wheat Straw mixed with the bio resin then turned in to a Dough. The Dough will be compressed in to a mold under high temperatures creating the final products.	Replacing plastic & Melamine items such as: Hospital Operation trays, Food containers, plates, cups	Good for Multi use for Food, Single use in Hospitals to reduce sterilization cost. Microwaveable	Middle

<b>Rice Husk</b>	The Rice Husk is accumulated after harvesting Rice	Burnt in South East Asia	Compounding the powder of Rice Husk mixed with the bio resin then turned in to a Dough. The Dough will be compressed in to a mold under high temperatures creating the final products.	Best replacement for Melamine reusable table ware such as: Plates, Kids bowls, soup bowls, Fork & spoons, coffee mugs, tea cups	Reusable and very durable, Microwaveable	High
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