

Bagace
Peels
Pomace
Roots
Stems
Straw
Wastewater

Agri-food Waste and By-products



Multi-feedstock Biorefinery



Chemical digestion
Enzymatic treatment
Solvent extraction
Fermentation
Hydrolysis

Biofilms
Cups
Bags
Pouches
rPET

Food Packaging Industry



Bioproducts



Cellulose
Chitosan
PHA / PHB
PLA
Pectin
Starch
Pigments