

Method for harvesting biomass from crop stems involves selecting the plant material and flattening the stalks until their inner surfaces stick together. The flattened stems are pierced with sharp pyramidal protrusions to form slits, which cut them into squares connected at two opposite vertices by uncut sections of the strip. These squares are torn apart. The processed plant material of the stems in the field is distributed using a three-outlet distributor on the harvester-shredder, where two outlets direct part of the stems into the field, and the third outlet conveys the biomass through a discharge pipe for collection in a trailer or hopper.