

Poplar trees were harvested at KBS from January 10 – February 13, 2014. Micro-plots trees were cut using Stihl 026 and 250 chainsaws. Main plot trees were harvested with a hydraulic cutting shear, model No. AT12 manufactured by Adams Tractor & Equipment Co. Inc., mounted on the front of a Bobcat-T-200 skid-steer loader. Following cutting all trees were chipped using a Brush Bandit 280 XP brush chipper. Trees from all micro-plots were chipped into a Dodge Ram 3500 1 ton single axle dump truck with a wood box mounted on the back of the dump box. Main site trees were chipped into a 12' (3.66 m) long x 6' (1.83 m) wide tandem axle dump and go trailer made by Roy's Custom Trailers. The dump and go trailer had an enclosed 5' (1.52 m) high roof made from 2" (5.08 cm) x 12" (30.48 cm) lumber. Micro-plot biomass was weighed field moist in the Dodge Ram 3500 dump truck using four Intercomp PT 300 axle scales. Main plot biomass was weighed field moist in the dump and go trailer using the GSE 550 truck scales at the KBS Dairy Farm. Grab samples were collected and dried in a Grieve SC-400 shelf oven to determine biomass moisture.