Supplementary material S1. Elaboration of silages with *Cucurbita argyrosperma* Huber residue in experiment 1.

a. Chop the residue of *Cucurbita argyrosperma* Huber with a gasoline grinder.

b. Manual mixing of the *Cucurbita argyrosperma* Huber residue with straw and the additive until obtaining a homogeneous mixture.

c. Fill the bags with the *Cucurbita argyrosperma* Huber mixture with straw and additive. Layers of around 15 cm were placed for better compaction.

d. Compaction of the mixture of *Cucurbita argyrosperma* Huber with straw.

e. Sealing the bags removing the greatest amount of air.

f. Silos closed and ready to be stored.