



The production of the nutrition supplement, a pellet based feed, uses approximately 80% of the natural gas and approximately 40% of the electricity consumption at the Genera site. The equipment required for the production of this supplement operates 24 hours a day, 7 days a week, 11 months of the year.

The production process involves pellets being loaded into a coater unit and being tumbled on a rotating drum whilst a coating liquid sprays through nozzles onto their surface. Hot drying air is used to evaporate the solvent leaving behind a layer of coating.

The heating process utilises steam produced by the central boilers, whereas electricity is used for the coating of the pellets and the supply of compressed air. The compressed air is used in the manufacturing processes throughout the site.

Once the pellets have sufficient coating they are discharged from the machine and any moisture evaporated from the product is exhausted with the drying air and recycled and heated for re-use.

The coating spray solution is ethanol based, and on completion of the coating, the ethanol vapour is extracted into a recovery plant which recycles 95% of the ethanol back into the production process. To meet environmental legislation, the site has an ethanol recycling unit which alone consumes approximately 60% of the energy utilised in this production area