Brewery By-Products Process Flow Chart

BARLEY FARM TO BREWERY

START


Notes
This is the barley process flow. Oats, rice and corn follow similar process steps.
Brewery By-Products Process Flow Chart

BREWERY TO LAUTERN TUN/MASH MIXER

Notes
This is the barley process flow.
Oats, rice and corn follow similar process steps.
Brewery By-Products Process Flow Chart

LAUTERN TUN/MASH MIXER TO SHIPPING OF SPENT GRAINS

START
Lautern or Mash Filter

Transfer of wort to Kettle

Kettle

Transfer of spent grains to spent grain silo

Spent Grain Silo

End of Lauten Tun or Mash Filter to Shipping of Spent Grains Process Flow

Notes
This is the barley process flow. Oats, rice and corn follow similar process steps.

Testing
Moisture
Protein
Random sampling and testing by FDA for mycotoxins and heavy metals

Control Measures
Dedicated Spent Grain Silos
Dedicated Conveying System from Brewhouse to Spent Grain Silos

Traceability
Tracked by brand type, brewhouse number and brew number
Tank volume continuously monitored
Constant flow at high temperature
Thermal mass and spent grain silo design maintains brewhouse exit temperature

Control Measures
Spent grain collection every hour
Load tracking of each truck
Dedicated and Covered Spent Grain Trucks
Trucks completely filled prior to departure