

Three Tier Hop Drying

'A Steep learning curve' by Tom Spilsbury

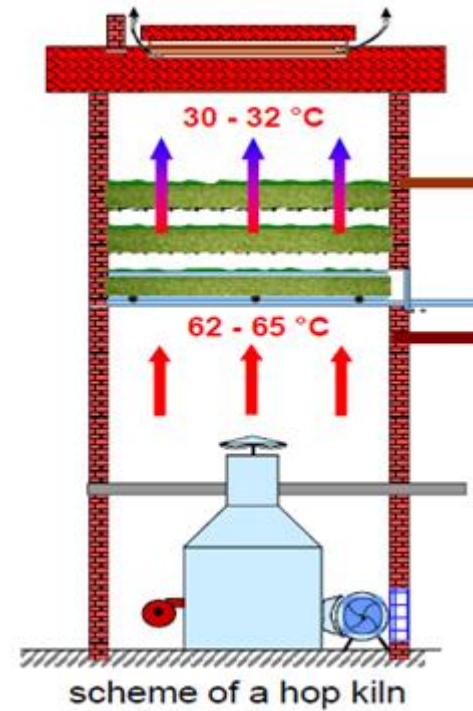
Old System

- ▶ 4 kilns - capacity 2200kg-2500kg per day of dried hops
- ▶ 4 diesel burners
- ▶ Manual fill
- ▶ Manual unload
- ▶ Manual bale
- ▶ High Labour costs (5 people)
- ▶ Overdried hops in bottom third of kiln
- ▶ 7.5-9 hour drying time



New System - 3 tier kiln

- Wolf machine installation cost
 - £600,000 to £650,000
- Local Agricultural Engineer (NDS)
 - £180,000 including building to house kiln



Kiln Design

- Can be dismantled
- Fire proof insulation
- No heat loss through kiln walls









Benefits of 3 tier drying system

- Better fuel efficiency
- Use of Bio-mass heating justifiable
- Labour saving
- Higher consistency of moisture content throughout the kiln
 - NO overdried hops - maintains cone structure quality
 - NO cold patches in bales
- Shorter drying time
 - 3-4 hour drying as opposed to 7.5-9.5 hours previously
- Earlier to bed!

Any Questions

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. These shapes are primarily located on the right side of the slide, creating a modern, layered effect. The rest of the slide is a plain white background.