

Basic Factory Layout

Semi-Mechanised Process

PLAN

- ▶ How much space do you have?
- ▶ Urban space - Drying space/ method
 - ▶ Disposal of waste
 - ▶ Boiling Method
 - ▶ Environmental considerations (eg adjoining buildings)
- ▶ Rural Space
 - ▶ Disposal of Waste
 - ▶ Away from water supply eg: river , stream

PLAN

- ▶ Establish Flow

- ▶ Factory Flow - ability to move through each stage without impediment

- ▶ 1. **DRYING AREA**

- ▶ Maximum sun exposure to achieve five day drying time

- Fenced from animals, Dust Masks for staff

- Mesh and Tarp for covering at night

- Turning Fork, broom, ground cover if not concrete

DRYING AREA



PLAN

- ▶ **Secure Area -**
- ▶ **Fence out Domestic Animals and intruders**
- ▶ **Enough space for each process**
- ▶ **Eg; drying, cleaning, storage, pressing , boiling, bottling**
- ▶ **Secure Potable Water Supply**

PLAN

Cleaning Space

- ▶ **MUST HAVE WELL VENTILATED AREA**
- ▶ **Separation of clean from untouched seeds**
- ▶ **Mark bags- weight, date, location**
- ▶ **Store all seeds on pallets away from wall**
- ▶ **Dispose of waste in compost or directly into field**
- ▶ **Main nuisance dust, fungus growth on damp seeds**
- ▶ **Dust mask recommended**

CLEANING AREA



PLAN

Pressing Room

- ▶ WELL VENTILATED ROOM
- ▶ Enough space for machine and operator
- ▶ Good surface for spillage - scrubbable
- ▶ Five gallon buckets - for raw oil
- ▶ Feed bags for seed cake

PRESS AT WORK



HANDLING WASTE

- ▶ Two types of waste
- ▶ DRY - Husks, seed cake from press
- ▶ WET WASTE- pasty mush from boiling

DRY- 1.For mulching farm directly or added to compost heap

2. Used as fuel for boiling oil

3. Made into organic fuel source

HANDLING WASTE

- ▶ WET WASTE - From boiling (pasty mush at bottom of pot)
- ▶ Dig deep hole in yard- enough space for several boilings
- ▶ Bury each batch of waste under at least for inches of dirt
- ▶ Leave hole open for next boil
- ▶ Waste **MUST** be buried immediately after last skim
- ▶ Will become very offensive in twenty four hours
- ▶ When filled ensure hole is fully covered -will attract flies in droves

HEALTH & SAFETY

- ▶ Provide storage space for recycled kegs
- ▶ Wash kegs before storing
- ▶ Sanitize before use
- ▶ Have Fire Extinguisher in Boiling House
- ▶ Use face guard during boiling
- ▶ Wear fire proof gloves
- ▶ Don't move oil when hot

