



**Decorticated
Bran
Sun-drying
winnowing**

**with mortar
Tempering
Clean dry
Cleaning
Raw
grains**

grains

and

**Decortication
and pestle**

grains

sorghum

Figure 3.4.b Steps of traditional sorghum

decortication method (Dec. 1) Bran
Decorticated grains
Decortication
Clean grains
Cleaning manually
Raw sorghum grains

**Figure 3.5.b Steps of familiar sorghum decortication method
(Dec. 2)**

Raw sorghum grains

Cleaning using Combigran cleaner

Magnetic separator

Dry stoner

Scalping machine with different sieves

Suction

Clean grains

Decortication

Decorticated grains

Bran

Figure 3.6.b Steps of advanced sorghum

decortication method (Dec. 3)

**Fig. 3.6.b*: Vertical Shelling Machine (SCHULE)
Advanced Sorghum Decorticator**

A: Raw Sorghum	4. Vertical Shelling Machine
B: Sand, Seeds	5. Counter Current Course Sifter
C: Course Impurities	6. Vibratory Feeder
D: Stones, Earth	7. Magnetic Separator
E: Dust	8. Asima Mill
H: Iron	10. Elevators
F: Bran	11. Fans
1. Intake Hopper	12. Centrifugal Dust Collectors
2. COMBIGRAN Cleaner	14. Bins
3. Dry Stoner	Sacking off Boards