Forage - Grasses

Guinea Grass – *Panicum maximum*
- **Season & varieties**
  - Thru’ year – CO 1
- **Field preparation**
  - Well drained soil with ridges & furrows, not at heavy clay
  - FYM 25t
- **Seed rate**
  - 2.5 kg /ha, Slips - 66,000 nos.
- **Spacing**
  - 50 x 30 cm
- **Fertilizer**
  - 50-50-40 NPK
  - 25 kg N at every cut
- **Harvest**
  - First cut at 75 DAS or 45 DAP, then at 45days
  - Green fodder 175 t from 8 cuts
  - May be intercropped with Hedge Lucerne for nutritious fodder

Blou Buffel Grass / Anjan grass - *Cenchrus glaucus*
- **Season & varieties**
  - NE Monsoon – CO 1 (Neela Kolukkattai)
- **Field preparation**
  - Well drained soil high ca content with ridges & furrows
  - FYM 25 t
- **Seed rate**
  - 6-8 kg /ha
- **Spacing**
  - 50 x 30 cm, sow at shallow depth, break seed dormancy
- **Fertilizer**
  - 25-40-20 NPK
  - 25 kg N at every cut
- **Harvest**
  - First cut at 75 DAS, then 4-6 cuts depending upon growth
  - Green fodder 40 t from 4 cuts

Bajra Nappier Hybrid
- **Season & varieties**
- Thru’ year – BN 2, NB 21, CO 1, CO 2
- **Field preparation**
  - Well drained soil with ridges & furrows – not at heavy clay
  - FYM 25t
- **Seed rate**
  - 40,000 slips
• Spacing
  o 50 x 50 cm
• Fertilizer
  o 50-50-40 NPK
  o 100 N kg after each cut
• Harvest
  o Cut at 75-80 DAP subsequent at 45 days interval
  o Green fodder 250 - 400 t
Deenanath Grass - *Pennisetum pedicillatum*
• Season & varieties
  o Thru’ year – CO 1
• Field preparation
  o Well drained soil with ridges & furrows
  o Heavy clay or water logging not suitable
  o FYM 25t
• Seed rate
  o 2.5 kg
• Spacing
  o 30cm solid row
• Fertilizer
  o 40-60-40 NPK
  o 20 N kg on 30th DAS
• Harvest
  o 55-60 DAS
  o Green fodder 40 - 45 t also as rainfed 20-25 t
Para grass / Water grass / Buffalo grass
*Brachiaria mutica*
• Season & varieties
  o Thru’ year
• Field preparation
  o All type of soils more suited to moist and waterlogged soils
  o FYM 25t
• Seed rate
  o 40,000 slips
• Spacing
  o 50 x 50 cm
• Fertilizer
  o 20-40-0 NPK
  o 20 N kg after each cut
• Harvest
  o Cut at 60-90 DAP subsequent at 30-45 days interval
  o Green fodder 200 - 240 t
Other grasses
• Marvel grass
  o *Dicanthium annulatum*
• Rhodes Grass
- Chloris gayana
  - Elephant grass / Napier grass
    - Pennisetum purpureum
  - Johnson grass
    - Sorghum helepense
  - Sudan grass
    - Sorghum sudanense