**SYNCHRONIZATION IN FLOWERING**

Male and female flowers may not mature at the same time. If the flowering time of male and female flower is different there is a need to synchronize flowering. Various methods are used to make male and female plants flower at the same time and that the flowers are available for a comparatively longer time to make maximum crossing. They are listed as under:

* 1. Sowing of different lines is repeated after a period of week or more
  2. Pruning helps delay flowering
  3. High temperature helps hasten flowering and low temperature delays flowering
  4. Application of nitrogen fertilizer delays flowering
  5. Day length can be exploited to delay or hasten flowering

**METHODS OF MASS EMASCULATION**

1. High temperature treatment helps killing the male gametes
2. Growth hormones like GA3 (Gibberelic Acid) kill male gametes. commercial gametocides are also available with different brand names but have limited advantage
3. Protogynous condition could be exploited as in millets
4. Reproductive systems like male sterility, self-incompatibility, and apomixes are also used for mass emasculation.