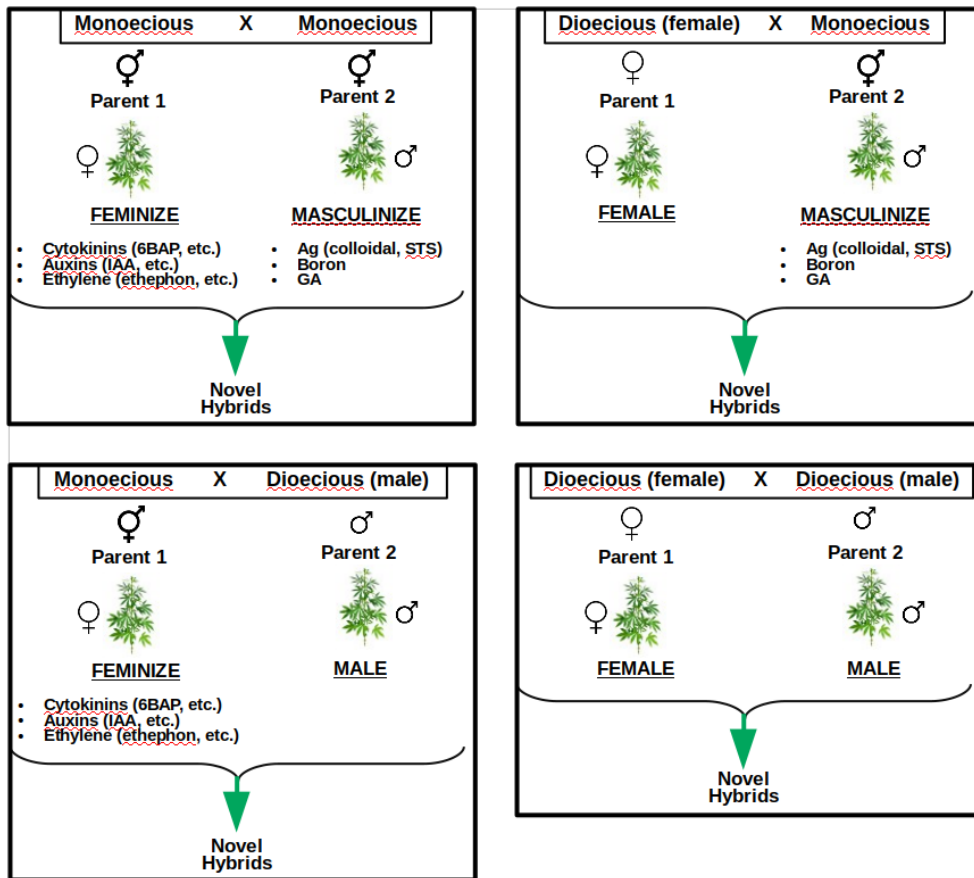


Texas A&M AgriLife Hemp Breeding Services  
**Novel Hemp Hybrids: Single Line Crosses**

Hemp hybrids with diverse genetic combinations are critically needed to develop cultivars that are well adapted across U.S. ecoregions. Controlled hybridizations of hemp, however, are complicated by both varied short-day photoperiod flowering requirements as well as the genetic plasticity of sexual dimorphism across monoecious and dioecious genotypes.

Developing capacity for effective controlled hybridizations in both monoecious and dioecious hemp will facilitate novel hybrids for evaluation.



**Capacity**

- Diverse controlled growth chambers/ rooms/ greenhouses for accelerated floral induction.
- Protocols to ensure pollen fertility and seed quality.
- Extensive working experience with monoecious, dioecious, and apomictic crops.
- Methods to shift sexual dimorphism in male, female, and monoecious hemp plants.

**Contract Breeding Opportunities**

- Contract controlled hybridizations of single line crosses
  - \$10,000 for 10 crosses; 10 cross minimum; \$500 for each additional cross
  - < 6 months for delivery

**Contact**

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