**Purpose:**

* To reinforce the understanding of polyploidy and their application in crop improvement
* To reinforce understanding of fertilization in high ploidy species

**Keywords**: seedless watermelon production, triplod, tetraploid, seedless watermelon

**References:** CG Ploidy Module 10

**CG ALA-10\_Ploidy Module 10**

Describe in details how seed of a triploid seedless watermelon are produced and how seedless watermelons are produced in the field. In your answer, explain in particular the following:

a. Should the tetraploid watermelon be used as a female or male parent for the production of triploid watermelon seed? Why?

b. From what you have learned in Module 1 and 10, explain why triploid watermelons are seedless.

c. In the production field, explain why a normal seeded watermelon is required for producing seedless watermelon