



CROSSING PEPPERS

Mother

- Smooth
- Yellow
- Mild



X

Parental Plants



Father

- Wrinkled
- Red
- Spicy



PARENTS

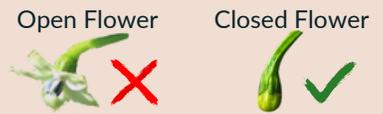
Choose two plants (ideally within the same species) with desirable characteristics that you'd like to combine. The pollen donor is considered the 'father' while the recipient is the 'mother.' Ideally, you should cross both ways to ensure a successful fertilization, and always pollinate several flowers.

F1 SEEDS

F1 seeds will contain 50% of the genetics from the 2 original parent plants. Resulting plants will usually show some traits from each of the plants, and will be very consistent characteristically.

CROSS POLLINATION

Choose an unopened flower on the mother plant. Carefully cut off all petals and stamen, leaving just the pistil to be pollinated (emasculating). Transfer pollen from the father plant to the emasculated flower.



*The pollinated flower's pepper will appear normal, showing no difference from the mother's original characteristics. However, the seeds now carry 50% of the genetics from the father plant. These are called F1 hybrid seeds.



P1 POLLINATES P2'S FLOWER



Unopened Flower

BECOMES PEPPER



SAVE SEEDS



PLANT F1 SEEDS

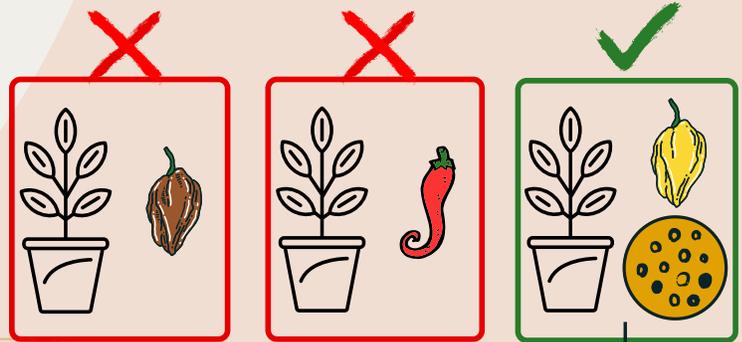
F2 SEEDS

F1, or 1st filial generation plants will show a combination of parental traits. Choose healthy, ripe pods and save the seeds for planting the 2nd generation (F2).



- Yellow
- Spicy
- Wrinkled

PLANT MANY F2 SEEDS



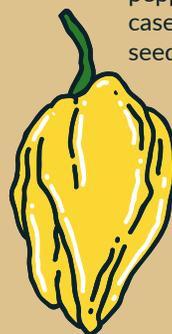
F2 plants will show the most variations. Keep plants isolated to avoid cross pollination. Select peppers that display the desired traits, in this case, **yellow, spicy and wrinkled**. Plant those seeds to carry on to generation 3 (F3 seeds).

PLANT SEEDS

STABILIZATION

Consecutive generations will show more and more consistent traits. At F8, the likelihood of as-expected plants is close to 100%. Through selective seed saving and self-pollination, your new pepper variety will be stabilized and consistent!

- Properties:
- Wrinkled
 - Yellow
 - Spicy



CONSISTENCY IMPROVES...

← ... F6 — F5 — F4

F3

