



# *Molecular Breeding Technology*

## Unlocking Genetic Potential with Molecular Markers

### From phenotypes to genotypes

In the past, scientists typically had to **wait a full season to harvest new breeding lines and assess the productivity and quality of the plant** by how it looks (phenotype) and select the top contenders for continued development. But now, scientists can look for and track the genes and genetic regions (genotype) underlying those desirable traits thanks to a much more efficient and precise process known as marker-assisted breeding.

