

North Dakota State University
PLSC 731: Plant Molecular Genetics

On-Line Learning Study Guide
Molecular Markers: Tools of Molecular Genetics

The following is your on-line study guide for the topic of “*Molecular Markers: Tools of Molecular Genetics*”. You have access to the following resources at this WWW site:

- **Highlighted .pdf Notes** (used in the on-line lecture)
- **Classic Molecular Marker Manuscripts (3)**
- **Study Questions for the Molecular Marker Manuscripts**

Learning Objectives

1. Understand the general goals of utilizing molecular markers
2. Fully describe the historic and modern classes of molecular markers
3. Compare the different detection technologies for each class of molecular markers
4. Understand the different types of populations used in plant molecular genetics

Be prepared to be assessed with respect to your understanding of the learning objectives.