SH03068: BIOTECHNOLOGY IN PLANT BREEDING LAB

(THỰC HÀNH CNSH TRONG CHỌN TẠO GIỐNG CÂY TRỒNG)

Credits: 1 credit (Lecture: 0 – Practice: 1)

EXPECTED LEARNING OUTCOMES

Course objectives	COURSE EXPECTED LEARNING OUTCOMES After successfully completing this course, students are able to	Expected learning outcomes of program
Knowledge		
CELO1	Analyze the demands and the requirements of related biotechnology sides implementing in the management, production and business related to biotechnology.	ELO2
Skills		
CELO2	Perform fluently the fundamental and advance procedures used in biotechnology	ELO11
Personal autonomy and responsibility		
CELO3	Act professionally and up-to-date the knowledge/ new sights in biotechnology	ELO15

CONTENT

• Topic 1: Applying the DNA markers for analyzing the F1 hybrid (2 classes)

• Topic 2: Applying the DNA markers for selecting the plants carrying the target gene(s) (2 classes)

• Topic 3: Artificial infection method and re-evaluate the resistance to bacteria causing the blight disease on rice (2 classes)

STUDENT TASKS

• To strictly follow the rules of VNUA for study. If student misses one class, he/she cannot be approved for the final test.

• Actively participate in the class, rise the questions and effectively response in the discussion.

• To write the report for each topic and submit in-time.

• To be required to take note, read and prepare other study documents each class.

• To be required to take the final test and fulfill the requirements for the test.

• For online learning: Students need to install online learning software and fulfill the requirements for online learning.

ASSESSMENT METHODS

• Attendance: According to regulations of VNUA.

• Grading: 10 marks

• Weighting:
  ✓ Final exam: 100%

LEARNING METHODS

• Read lecture notes, books and references before attending the class.

• Students are required to listen to lectures in class and perform other learning activities such as solving practice problems after class.

• Prepare and actively participate in discussion.
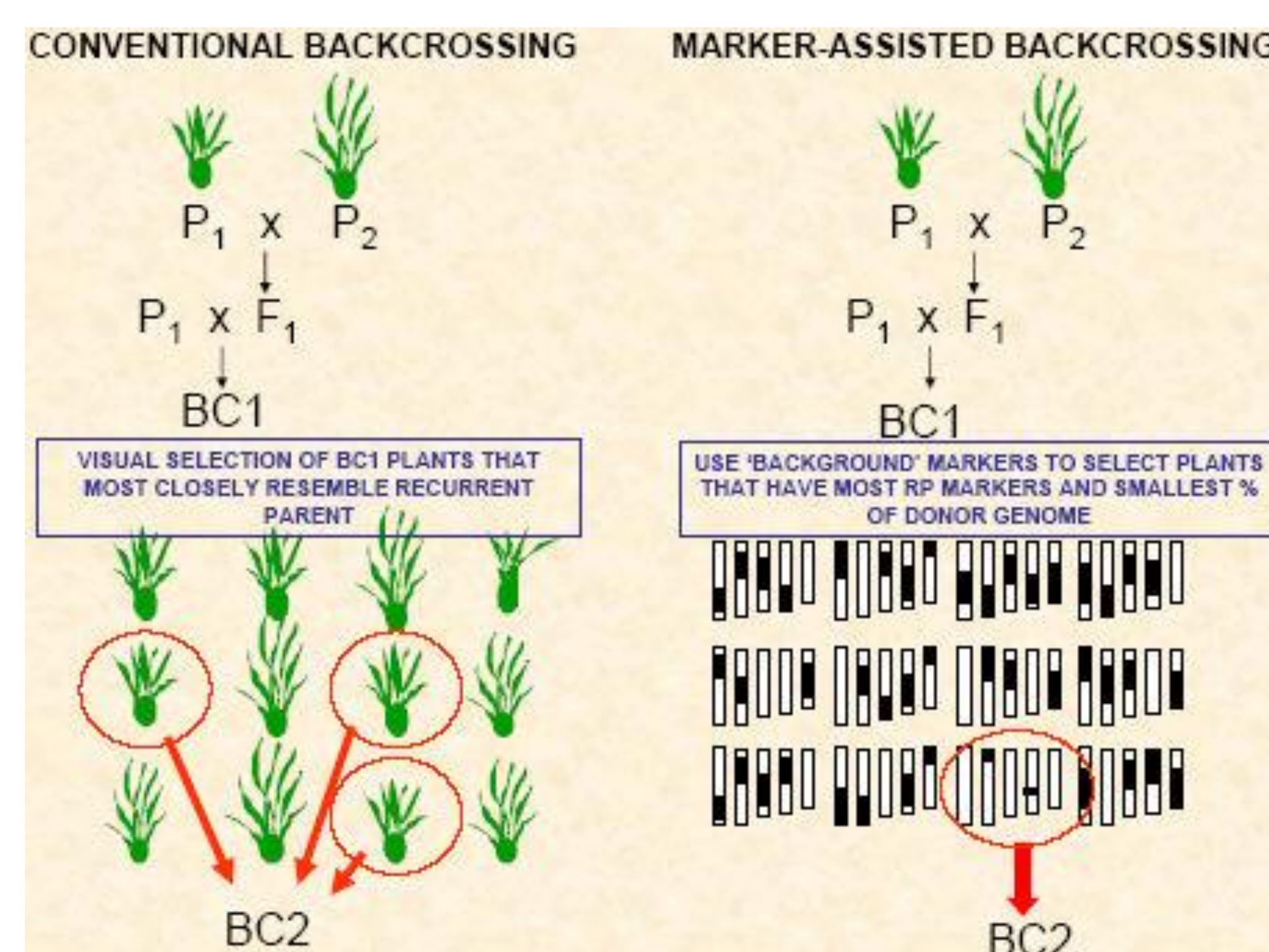
http://www.knowledgebank.irri.org/ricebreedingcourse/Marker_assisted_breeding.htm

LECTURERS

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VNUA Vietnam National University of Agriculture