



Lessons Learned and Improvements to an Experiential Learning Activity in Plant Nutrition

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Challenge: To develop a hands-on learning activity for an online Nutritional Monitoring and Management course.

Solution: Nutritional monitoring test kits were placed at 6 locations around the state of FL. Each kit contained a pH/EC meter, light meter, and Flip camera along with written instructions.



Student satisfaction:

- 23 students enrolled in 2011
- 29 student enrolled in 2012
- In 2011, 76% of students rated their experience as above average to excellent (Figure 1)
- In 2012, 90% of students rated their experience as above average to excellent (Figure 1)

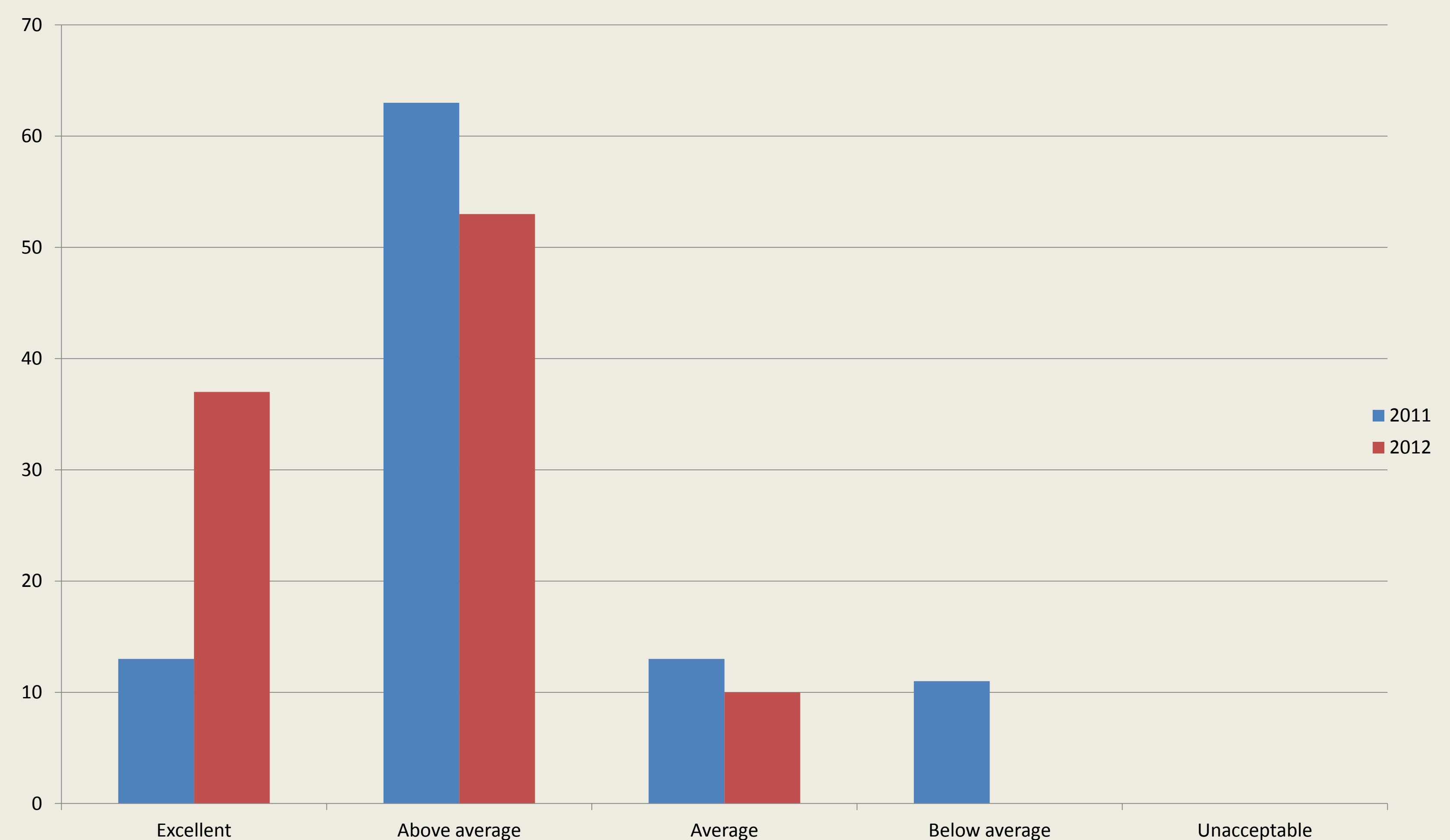


Figure 1. Student reported satisfaction with using nutritional monitoring test kits

Table 1. Changes made to improve student satisfaction with nutritional monitoring test kits

2011	2012
One 50 minute orientation video	Five 7 -10 minute You-tube videos
Note taking and reports varied	PDF form and grading rubric
Dead batteries	Spare batteries
Quiz	No quiz
Written reports only	Written, Power Point or video reports

Conclusions: By recording shorter demonstration videos and creating a writable PDF notes document students appeared to have greater success with the test kits.