

# **CRPS B1 Crop Production CSLO #1**

- **Upon successful completion of the course the student will be able to compare and contrast the physical and biochemical attributes of grasses and broadleaf plants that are important to agriculture.**

# Plan

Q 1	Q 2	Q 3	Q 4	Q 5	Q 6	Q 7	Q 8	Q 9	Q 10	Q 11	Q 12	Q 13	Q 14	Q 15	Q 16	Q 17	Q 18	Q 19	Q 20	Q 21	Q 22	Q 23
B	C	B	C	E	B	C	E	A	C	B	D	B	A	B	A	A	B	A	B	B	E	E
A	C	A	C	C	A	D	A	A	C	C	C	A	B	B	B	A	A	A	A	A	E	D
B	C	B	C	E	A	C	E	E	C	B	D	A	A	B	A	A	B	A	B	B	E	C
A	C	A	D	C	A	D	A	E	D	D	B	A	B	C	B	A	C	D	B	A	D	C
A	E	A	B	A	A	C	D	D	C	D	C	A	B	C	A	B	A	B	B	A	D	B
A	D	B	C	E	B	B	A	E	C	B	D	A	A	B	A	A	B	A	B	B	C	C
A	B	A	E	E	A	B	D	E	C	A	C	A	B	A	C	B	D	C	A	A	D	E
A	E	A	C	E	A	C	B	B	D	B	D	A	A	C	A	A	A	B	A	A	E	B
A	B	B	E	C	B	B	D	B	C	E	B	A	A	B	A	A	A	A	B	A	B	C
A	D	A	C	E	B	C	B	B	C	B	D	A	A	B	A	A	B	A	B	A	D	C
A	C	B	C	E	B	C	D	C	C	B	C	B	A	B	A	A	B	A	B	A	A	D
A	C	A	E	E	A	D	B	D	C	B	D	B	A	C	A	A	C	C	B	A	A	E
A	C	A	E	A	A	C	A	D	C	E	B	A	A	A	B	A	B	A	B	A	E	D
A	E	B	D	E	A	A	A	C	C	D	C	A	A	B	A	A	B	A	B	A	E	B
B	C	A	C	E	B	C	E	C	C	B	D	B	A	B	A	A	B	A	B	B	E	D
B	E	A	C	E	A	B	E	B	B	E	C	A	A	B	B	A	A	B	B	B	D	B
A	C	A	D	E	B	C	D	A	C	A	D	B	A	B	A	A	B	A	B	B	A	B
B	C	B	D	E	B	C	E	A	C	B	D	B	A	B	A	A	B	A	B	B	E	B
B	C	B	C	E	A	C	E	A	C	E	D	A	A	A	C	B	A	B	A	B	E	B
A	E	C	C	E	B	D	E	C	C	D	C	B	A	B	B	A	A	A	A	B	B	D
A	C	B	C	E	B	C	D	E	C	D	D	A	A	C	B	A	A	D	B	A	C	D
A	C	A	C	B	A	C	E	E	C	B	D	A	A	B	A	B	A	B	B	B	D	B
A	C	B	C	E	B	C	E	A	C	B	D	B	A	B	A	A	B	A	B	B	E	E
B	C	B	C	E	A	C	E	E	C	B	D	A	B	B	A	A	B	A	B	B	E	E
B	B	A	C	E	A	C	D	C	C	B	A	A	A	B	C	A	B	A	A	A	C	D
B	B	B	E	D	A	C	C	A	A	B	A	A	A	B	C	A	A	A	A	A	A	A
B	C	A	C	E	B	D	D	C	C	A	E	A	B	B	A	B	B	A	B	A	E	D
A	E	A	C	B	A	C	B	B	D	A	B	A	B	B	A	A	A	D	B	A	C	D
A	B	A	A	E	B	B	A	C	B	C	A	A	A	A	B	A	B	C	B	B	A	B
B	C	B	A	E	A	C	E	E	C	A	D	B	A	B	A	A	A	B	B	A	D	C
A	E	A	C	E	A	C	C	C	D	B	D	A	A	C	A	A	B	D	B	A	C	C
A	B	A	D	A	B	B	B	E	A	B	E	A	A	B	A	A	A	D	A	A	D	C
A	C	A	A	B	A	C	E	D	C	E	D	B	A	C	A	B	A	B	A	A	D	A
A	C	A	D	E	A	C	E	C	C	B	C	A	B	B	A	A	A	B	B	A	A	D
A	C	B	B	B	B	C	E	A	C	B	D	A	A	B	A	B	B	A	B	A	E	C
A	E	B	C	E	A	C	B	A	C	A	D	B	A	B	A	B	B	A	B	B	E	D
A	C	A	A	E	C	C	C	B	C	D	D	A	A	B	A	A	A	B	B	A	E	B
10	20	15	20	26	15	25	14	9	29	18	20	10	29	26	26	29	18	20	28	14	15	4
28%	56%	42%	56%	72%	42%	69%	39%	25%	81%	50%	56%	28%	81%	72%	72%	81%	50%	56%	78%	39%	42%	11%

# Assess

## SLO

SLO	Default Performance Measure	Fall 2017			
		N/A	Exceeds expectations	Meets expectations	Does not meet expectations
Upon successful completion of the course the student will be able to compare and contrast the physical and biochemical attributes of grasses and broadleaf plants that are important to agriculture.	70%	5	0%	56.76%	43.24%
Upon successful completion of the course the student will be able to list the order of operations in land preparation for planting.	70%	4	0%	71.05%	28.95%
Upon successful completion of the course student will be able to compare and contrast the different fertilizers used in grass, legume, and broadleaf crops.	70%	4	0%	60.53%	39.47%
Upon successful completion of the course student will be able to correctly select and outline planting procedures for the major crop species grown in the Bakersfield area.	70%	4	0%	65.79%	34.21%
Upon successful completion of the course student will be able to analyze a field situation and determine the most efficient irrigation method; machinery, timing, rate.	70%	4	0%	81.58%	18.42%
Upon successful completion of the course student will be able to visually identify pests commonly found on the major crops in the Bakersfield area and list possible methods of control.	70%	4	0%	71.05%	28.95%
Upon successful completion of the course student will be able to ; Given common crops in the Bakersfield area, the student will be able to list possible methods of harvest, including necessary machinery, timing, and curing processes.	70%	4	0%	81.58%	18.42%
Upon successful completion of the course student will be able to properly design a field experiment using standard scientific methodology to answer a single hypothesis regarding one aspect of crop production.	70%	4	0%	86.84%	13.16%

# Reflect

- Only 57% of the students met expectations on this CSLO; the lowest of all CSLOs of the course.
- Investigation of test questions used to calculate student performance found no evidence of ambiguity or misstatement. However, there were probably not enough questions pertaining to this important CSLO.
- Investigation of on-line content (PowerPoint slides, reading assignments, and practice test questions) showed that there was relatively little course content related to this CSLO.

# Refine

- **Increase the course content** related to this CSLO to include more slides, at least one dedicated on-line reading assignment, and more practice test questions.
- **Increase the number of questions** on the midterm related to this CSLO from 10 to 20 in order to more completely cover the concepts of crop physical and biochemical attributes.