

# PLANTING THE SEEDS OF A “PEDIA” PROJECT

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## WHAT IS A “PEDIA”?

On-line textbook using a Wikipedia style and design with one major exception; only students in my classes are provided access to build and edit the information on the pages, with editorial oversight controlled by me.

# PROJECT BACKGROUND

- Desire to have something for end of course assessment and tired of grading papers over same subjects each semester
- Wanted to require an independent “research” project for students in two classes (2015) using vast internet resources.
  - PLSC 4370 – Forage Crops and Pasture Management (taught every semester)
  - PLSC 4397 – Integrated Pest Management (taught every third long semester)

# INSTRUCTIONAL DESIGN SPECIALISTS

- Created the Google Site
- Created a Google Drive folder
- Created a Google Form so that students can pick a subject
- Google Sheet tracking document to organize who has done what and when

## TAKE AWAY

This is an *alternative* means to assess students' mastery of the course material while extending their knowledge beyond what may be presented in the classroom alone. The project also builds a sense of community and promotes the application of modern knowledge sharing.

# THE COURSES

- **PLSC 4397 – Integrated Pest management**
  - Course Format: 3-0
  - Independent assignments account for 15% of course grade
  - Previous assignments included insect collection
- **PLSC 4370 – Forage Crops and Pasture Management**
  - Course format: 2-2; 2 hours lecture plus 2 hours lab per week
  - Independent assignment accounts for 10% of course grade
  - Previous assignments included plant collections (mounted and photographic)



# WHY CHANGE IT?

- End-of-semester plant ID practical already required in 4370
- Desire to have my students become more aware of the wealth of information available on forage crops and pest management through on-line resources
- Preferred to have a product that would showcase the efforts of my students and that could benefit others in our region of Texas

# PROJECT DESIGN

- Decided on species considered most important for each class
  - 4370 – important forage grass and legume species, herbaceous dicot weeds, sedges, brush species
  - 4397 – common farm and garden insects, mites, nematodes, mollusks, and crop diseases
- Determined what information is most critical
- Designed pages using Google
- Prepopulated pages with headings

# IPM Prepopulated Fields

**Common Name of Pest:**

**Common Synonyms:**

**Classification:**

**Photograph(s) and/or video at various stages of Development:**

**Description of Appearance:**

**Habitat – Location – Occurrence – Crops damaged:**

**Life Cycle:**

**Feeding Habits (insects):**

**Host defenses (if applicable):**

**Prevention & Control Approaches:**

Cultural -

Physical -

Mechanical -

Biological -

Chemical -

**References:**

# Forage Crops & Pasture Management Prepopulated Fields

## **Classification:**

Class, Subclass, Superorder, Order, Family, Subfamily, Tribe, Subtribe, Genus, Species

## **Other common names:**

## **Common varieties or cultivars:**

## **Plant Description:**

## **Photographs:**

Seedling/young plant

Leaves

Flowers/seedhead/inflorescence

Fruit/seeds

Unique or distinguishing traits

## **Forage Use and Quality Characteristics:**

## **Soil/Environmental Adaptation:**

## **U.S. Distribution map (if available):**

## **Planting/Cultivation Practices:**

## **Common Pest Issues (diseases and insects):**

## **References (footnoted in text):**

# EXAMPLES

<https://sites.google.com/site/shsuiympedia/ambrosia-beetle>

<https://sites.google.com/site/shsuplantpedia/crimson-clover>

# THE GOOD

## **Improves learning outcomes**

deepens student engagement with curriculum

## **Improves access and efficiency**

increases student presence in the course

## **Information accuracy**

evolves over time

## **Evidence of contributions**

ability to track student work

# THE BAD

- **Functionality**  
Some students struggle with technology
- **Need student buy-in**  
Can be conceptually difficult to sell students on the idea
- **Must be research-based**  
It's not a blog

# THE UGLY

**Ambiguity with first implementation**  
evolution in phases

**Crisis of authority**  
Students reluctant to edit another's work

**Quality**  
Student work is public

**Highly supportive work environment is a must!**