

## **ACID SCARIFICATION OF SORGHUM SEED**

Adapted from Experiment 10 in:

Huang, W. Z. and Hsiao, A. I (1987). Factors affecting seed dormancy and germination of Johnsongrass, *Sorghum halepense* (L.) Pers. *Weed Research* **27(1)**: 1-12

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### **Materials**

- Dry sorghum seed
- Distilled and tap water
- Sulfuric Acid (10X)
- Glass petri dishes
- Filter Paper
- Timer

### **Procedure**

1. Place ten seed in a clean glass petri dish
2. Add 10 ml H<sub>2</sub>SO<sub>4</sub> to the dish, or at least enough to fully submerge the seeds
3. Incubate without shaking for 30 minutes
4. Pour off the acid in to a large beaker for future disposal, catching the seed with a metal sieve
5. Rinse the seed with water
6. Transfer the seed to a large flask and add 400 ml tap water. Let the seed soak in this for one hour.
7. Transfer the seed to a clean glass petri dish lined with filter paper and soaked with distilled water.
8. Incubate at room temperature for 3 days and record germination results.