

## **Liatris Classifying Protocol**

### **Parameters for Full Achenes:**

Has a color that is noticeably whiter than the empty achenes

- As long as the color is consistent and whiter than the empty achenes, then the saturation doesn't matter
- Seed spans the whole width of the achene at its center
- Seed makes up the majority of the length of the achene and is not split into multiple parts
- Seed is solid and uniform in color/gradient

### **Parameters for Partial Achenes**

There are visible white spots within the achene but cannot be classified as full

- Has nonuniform color, doesn't span the full width of the achene at its center, or has empty spaces in between visible parts of the seed

### **Parameters for Empty Achenes**

Seeds are nonexistent in achenes

- Achenes are uniformly transparent, except for the whiter tip of the achene
- Are differentiated from the background by the white tips