

PLNT 1213  
Course Notes  
Plant Categorization  
Chapter 1

**Objectives:**

Describe ways to categorize plants  
Explain plant taxonomy

Ways to classify plants:

Biological characteristics:

**Adaptaion**

Old world

New world

Warm-season

Cool-season

**Life cycle**

Annual

Biennial

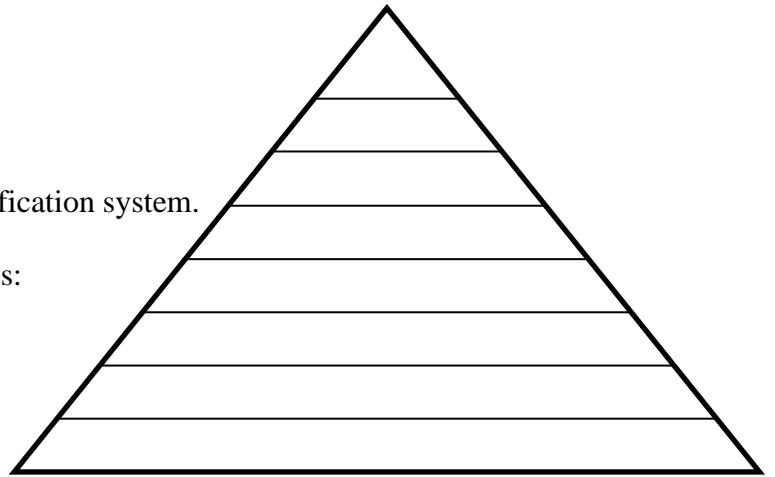
Perennial

## **Taxonomy**

What is plant taxonomy?

Taxonomy is based on a hierarchical classification system.

Scientific names are always written like this:



Naming plants within a species

Subspecies

Variety

Cultivar

Hybrid

Why do you need to learn scientific names?

### **Class-level classification**

Monocot

Dicot

### **Family-level classification**

1. Poaceae –

2. Fabaceae –

3. Solanaceae –

4. Brassicaceae –

5. Malvaceae–

6. Asteraceae–

### **Crop use classification**

Industrial crop uses

1. Cereal crops

2. Pulse crops

3. Oil crops

4. Forage crops

5. Fiber crops

6. Root and tuber crops

## 7. Bioenergy crops

### **Agronomic use classification**

1. Cover crops

2. Companion crops

3. Trap crops