

# Types of Irrigation Systems

# Pressure Irrigation Systems

1. **Hand-Move System** (code 1)
2. **Solid Set or Permanent System** (code 2)
3. **Side-roll or Wheel-Line System** (code 3)
  - a. End-Tow Sprinkler System
  - b. Carousel Sprinkler-Traveler System
4. **Big Gun System** (code 4)
  - a. Self-Propelled Gun Traveler
  - b. Reel-Type Hose Pull
  - c. Reel-Type Cable Pull
5. **Linear Move System** (codes 5-8 based on PSI)
6. **Center Pivot System** (codes 9-12)
7. **Low-Flow Irrigation System (code 13)**
8. **Other Pressure Systems incl. Hydroponic** (code 14)

(all codes refer to Section 11)

# Big Gun System

- Works best with **straight, flat rows** with high infiltration soils
- Crop must withstand **heavy bursts of water**
  - corn incl. sweet corn
  - potatoes
  - certain vegetables
  - nursery crops
- IN - 5% of irrigation systems



# Center Pivot/Linear Move System



- Center Pivot System rotates around a **central pivot** point
  - IN - 57% of irrigation systems
- Linear Move System moves in a **straight line** through the field

# Low-Flow Irrigation

Includes (all reported as code 13):

- Drip
- Trickle
- Micro-sprinkler systems

Mainly used on the following crops:

- Fruits
- Vegetables
- Nursery (trees, vines)



# Gravity Irrigation Systems

## 1. Down Rows or Furrows

1. Unlined Ditches (code 15)
2. Lined Ditches (code 16)
3. from Poly Pipe, Lay-Flat Tubing, or Above Ground/Underground Pipe (code 17)

## 2. Controlled Flooding Within the Field Borders

1. from Unlined Ditches (code 18)
2. from Lined Ditches (code 19)
3. from Poly Pipe, Lay-Flat Tubing, or Above Ground Pipe (Code 20)
4. from Underground Pipe (Code 21)

## 3. Uncontrolled Flooding Including Open Discharge from a Well or Pump (Code 22)

(all codes refer to Section 11)