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)

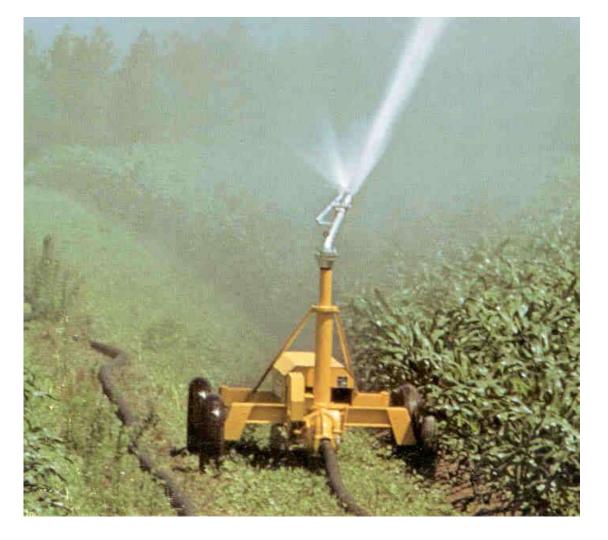
(all codes refer to Section 11)





Big Gun System

- Works best with straight, flat rows with high infiltration soils
- Crop must withstand heavy bursts of water
 - o 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)



