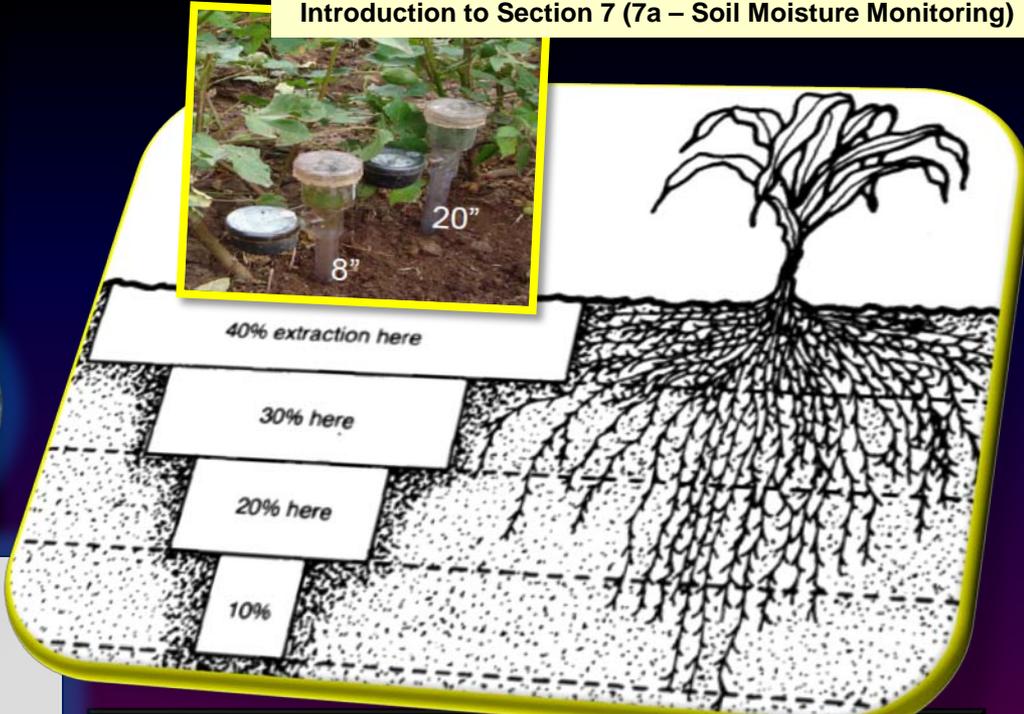


Diameter of Irrigation Headgate (inches)							
10"		12"		15"		18"	
cfs	Head (ft.) on TURN-OUT	cfs	Head (ft.) on TURN-OUT	cfs	Head (ft.) on TURN-OUT	cfs	Head (ft.) on TURN-OUT
4.23	2.6	6.0	2.5	9.0	2.35	12.9	2.25
3.9	2.2	5.5	2.1	8.2	1.95	11.7	1.85
3.52	1.8	4.9	1.7	7.2			
3.4	1.4	4.3	1.3	6.2			
2.63	1.0	3.6	0.9	5.1			
2.03	0.6	2.7	0.5	3.5	0.35		0.25



Calculating amount of water per irrigation

1. **QT=DA**

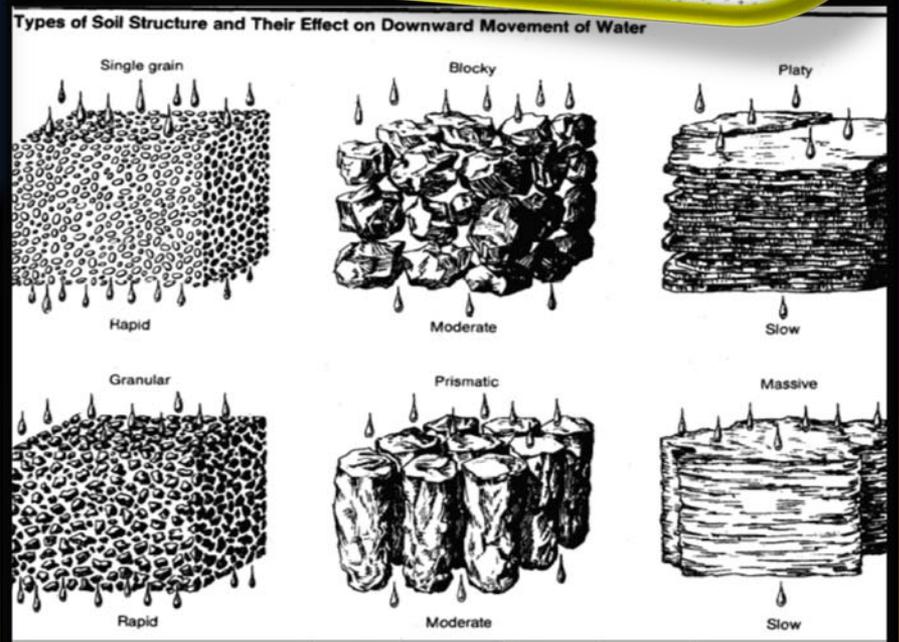
Ref. to (IWM-20) Handbook

Q = Water flow rate of the well or canal in Cubic Feet per Second One cfs = 450 gpm.

T = Time of irrigation in hours

D = Irrigation application depth in inches per acre (in/ac)

A = The area irrigated in acres



Appearance of clay, clay loam, and silt clay loam soils at various soil moisture conditions.

25-50 percent available

50 - 75 percent available

75-100 percent available