

**Runoff Curve Numbers for Selected Agriculture, Suburban, and Urban Land Use
(Antecedent Moisture Condition 2 and $I_a = 0.2S$)**

Land Use Description	Hydrologic Soil Group			
	A	B	C	D
Cultivated land ¹ : Without conservation treatment	72	81	88	91
With conservation treatment	62	71	78	81
Pasture or range land: Poor condition	68	79	86	89
Good condition	39	61	74	80
Meadow: Good condition	30	58	71	78
Wood or forest land: Thin stand, poor cover, no mulch	45	66	77	83
Good cover ²	25	55	70	77
Open spaces, lawns, parks, golf courses, cemeteries, etc.				
Good condition Grass cover on 75% or more of the area	39	61	74	80
Fair condition Grass cover on 50% to 75% of the area	49	69	79	84
Commercial and business areas (85% impervious)	89	92	94	95
Industrial Districts (72% impervious)	81	88	91	93
Residential: ³ (house + drive + lawn)				
<u>Average lot size</u> <u>Average % Impervious</u>				
1/8 acre or less 65	77	85	90	92
1/4 acre 38	61	75	83	87
1/3 acre 30	57	72	81	86
1/2 acre 25	54	70	80	85
1 acre 20	51	68	79	84
Paved parking lots, roofs, driveways, etc. ⁵	98	98	98	98
Streets and roads:				
Paved with curbs and storm sewers ⁵	98	98	98	98
Gravel	76	85	89	91
Dirt	72	82	87	89

¹ For a more detailed description of agricultural land use curve numbers, refer to National Engineering Handbook, Section 4, Hydrology, Chapter 9, August 1972.

² Good cover is protected from grazing and litter and brush cover soil.

³ Curve numbers are computed assuming the runoff from the house and driveway.

⁴ The remaining pervious areas (lawn) are considered to be in good pasture condition for these curve numbers.

⁵ In some warmer climates of the country, a curve number of 95 may be used.

Source: Soil Conservation Service, 1986.