

E Tables

The E Tables provide the predicted average annual soil erosion rate for the field or area described by the factor values I, K, C, L and V. After selecting the appropriate E Table for I, K, and C, the conservationist can readily determine what unsheltered distance "L" is wide, as well as alternative combinations of "L" and "V" that will achieve the desired soil erosion rate. In applications of the management period method, the annual erosion rate E is multiplied by the management period Erosive Wind Energy (EWE) to determine the period erosion rates.

TABLE 29.
E- TABLE - SOIL LOSS FROM WIND EROSION IN TONS PER ACRE PER YEAR
SURFACE - K = 1.0

C = 90

I = 134

V - FLAT SMALL GRAIN RESIDUE IN POUNDS PER ACRE													
L UNSHIELTERED DISTANCE IN FEET	0	250	500	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
10000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
8000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
6000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
4000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
3000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
2000	120.6	107.1	88.8	70.8	48.4	30.0	17.1	9.9	6.6	2.9	1.4	0.2	
1000	115.5	102.4	84.6	67.1	45.5	27.9	15.7	9.0	6.0	2.5	1.3	0.2	
800	114.1	101.0	83.4	66.0	46.7	27.3	15.3	8.7	5.8	2.4	1.2	0.2	
600	108.7	96.1	74.0	62.1	41.7	25.1	13.9	7.8	5.1	2.1	1.0	0.2	
400	103.2	91.0	74.5	58.3	38.8	22.9	12.5	7.0	4.5	1.8	0.9	0.1	
300	98.9	87.1	71.0	55.2	36.5	21.3	11.5	6.3	4.1	1.6	0.8	0.1	
200	90.1	79.0	64.0	49.2	32.0	18.2	9.6	5.1	3.2	1.2	0.4		
150	82.6	72.2	58.1	44.1	28.3	15.6	8.1	4.2	2.6	0.9	0.3		
100	76.0	66.3	52.9	39.8	25.2	13.6	6.9	3.5	2.1	0.7			
80	71.0	61.6	48.9	36.5	22.8	12.0	6.0	3.0	1.8	0.6			
60	62.9	56.0	42.4	31.1	19.1	9.7	4.7	2.2	1.3				
50	57.8	49.9	38.9	28.3	17.1	8.5	4.0	1.9	1.1				
40	54.0	48.4	36.0	25.9	15.5	7.5	3.9	1.6	0.9				
30	47.3	40.4	31.0	22.0	12.9	6.0	2.7	1.2	0.5				
20	38.3	32.9	24.5	16.9	9.6	4.2	1.8	0.6					
10	26.8	22.4	16.5	10.9	5.8	2.3	0.9						

"E" Tables Exhibit

The "E" tables are found in Exhibit D, at the end of this technical reference.